



Project Controls EXPO

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Key Features/Attractions



Partner Showcase
@Highbury Suite



Masterclass Zone
@Royal Oak Suite



Technology Zone
@Champions Suite



Back to Basics Zone
@Woolwich Suite



Case Studies Zone
@Dial Square Suite



Megaprojects Zone
@ M Club



SME Zone
@ Emirates Lounge

Expo 2017 also offers all day beverages, buffet lunch and “evening social” (includes beer, wine and soft drinks) to all delegates followed by dinner for sponsors, speakers and selected guests. Industries represented – Oil & Gas, Construction, Rail, Infrastructure, Defence, Nuclear and Government to name a few.



Location

Emirates Arsenal Stadium/ Football Club, 75 Drayton Park, London N7 7DD
Parking at the stadium is NOT available so please park at nearby car parks
(Link to find the nearby car parks: http://en.parkopedia.co.uk/parking/N7_7DD/)

Directions

Getting to Emirates Stadium is simple, London's comprehensive public transport system will take you here within a few minutes' walk from local bus stops and tube stations. Thanks to clearly located pedestrian signs pointing towards the stadium.



Tube and Rail (Preferred option):

Both Arsenal and Holloway Road Stations (Piccadilly Line) are around three minutes walk from the ground. Finsbury Park (Victoria / Piccadilly Lines and overground rail) and Highbury & Islington (Victoria Line, North London Line, overground rail) stations are around 10 minutes walk from Emirates Stadium.

We recommend Holloway Road station on the Piccadilly line. It is the nearest to the West stand where the EXPO event is taking place.

On exiting the station turn right, cross the road at the traffic lights and then immediately left at the crossroads onto Hornsey Road. There is a sign to Emirates stadium and it is visible from this point. Walk one hundred yards straight to the stadium, cross the road and go up the steps immediately in front of you. This is the West entrance that leads to the EXPO reception.

Directions



Bus

Buses are fast and convenient with connections passing the ground on all sides. Main bus stops are located on Holloway Road, Nag's Head, Seven Sisters Road, Blackstock Road and Highbury Corner. Direct, high frequency services from much of north and central London travel within five minutes walk of the ground.

Air

For our international visitors, nearest airport is London Heathrow which is well connected via extensive rail connection from Paddington (16 mins by train from Heathrow).

Walking:

Local pedestrian routes are clearly signposted from all local transport gateways directing you along approved routes to the stadium. Upon reaching the stadium, please approach Highbury West Entrance between turnstiles A & S.

Important note

Upon reaching the Emirates Stadium (via options listed above), please head towards the West entrance of the stadium as shown in map above. The west stand faces Hornsey Road. Upon reaching there, you will be required to climb stairs to head towards "Highbury". At the Ground floor of Highbury, there is small reception desk with the main on Level 1.

There are stairs and escalators to access Level 1. Football club signposting at this crossing junction. This brings you at "Hornsey Road". Keep walking on Hornsey Road for 100 yards and Arsenal stadium's west entrance will be just in front of you. Just climb the stairs that leads to Expo reception.



Accommodation

There are plenty of accommodation options around Emirates Arsenal Stadium. For your convenience, please see some of the selected hotels locally, who will be glad to offer you best rates to attend the event.

- **St Pancras Renaissance**
<http://www.marriott.com>
+44 (0) 207 841 3540
- **Hilton Islington**
<http://www3.hilton.com>
44 (0) 207 354 7700
- **Pullman London St Pancras**
<http://www.accorhotels.com>
+44 (0) 207 666 9010

Social media and Web access

We are pleased to offer free Wi-Fi to our delegates. See info below.



Network: **Events**

Password: **ProjectControlsExpo**

Spread the word on event and/or share your experience -



Twitter
@ProjConExpo



Twitter Hashtag
#ProjConExpo



Facebook
<https://www.facebook.com/ProjectControlsExpo/>



LinkedIn
<https://www.linkedin.com/company/10344998/>



Meals and Beverages

Expo 2017 offers complimentary all day beverages, buffet lunch and “evening social” (includes beer, wine and soft drinks) to all delegates followed by dinner for sponsors, speakers and selected guests.



Lunch includes following:

Southern fried chicken burger with shredded lettuce,
Pulled pork slider with onion ring,
Thai red prawn skewer [GF]
Lightly special bean burger [V]

Beverages includes:

Tea, Coffee, Still and Sparkling water in addition to cookies and brownies

Individual macaroni and cheese pots with truffle Oil [V],
Homemade lightly spiced potato wedge [GF]



Salad Station:

Cos lettuce, cherry tomatoes, cucumber, garlic croutons, olives, julienne carrots, beetroot, red onion.

Selection of dressings:

Olive oil, balsamic vinegar and Caesar dressings.

**Desserts:**

Individual pecan tartlet,
Fruit skewers.

Served with fresh orange juice and AFC bottled water

Evening social includes:

On the house selected Beer, Wines and Soft drinks.

Dinner options:

Applicable to pre-invited guests only



The dinner will begin with reception which includes

Sparkling Wine, House Wine, Tea, Coffee & Petit fours, and Table Water.

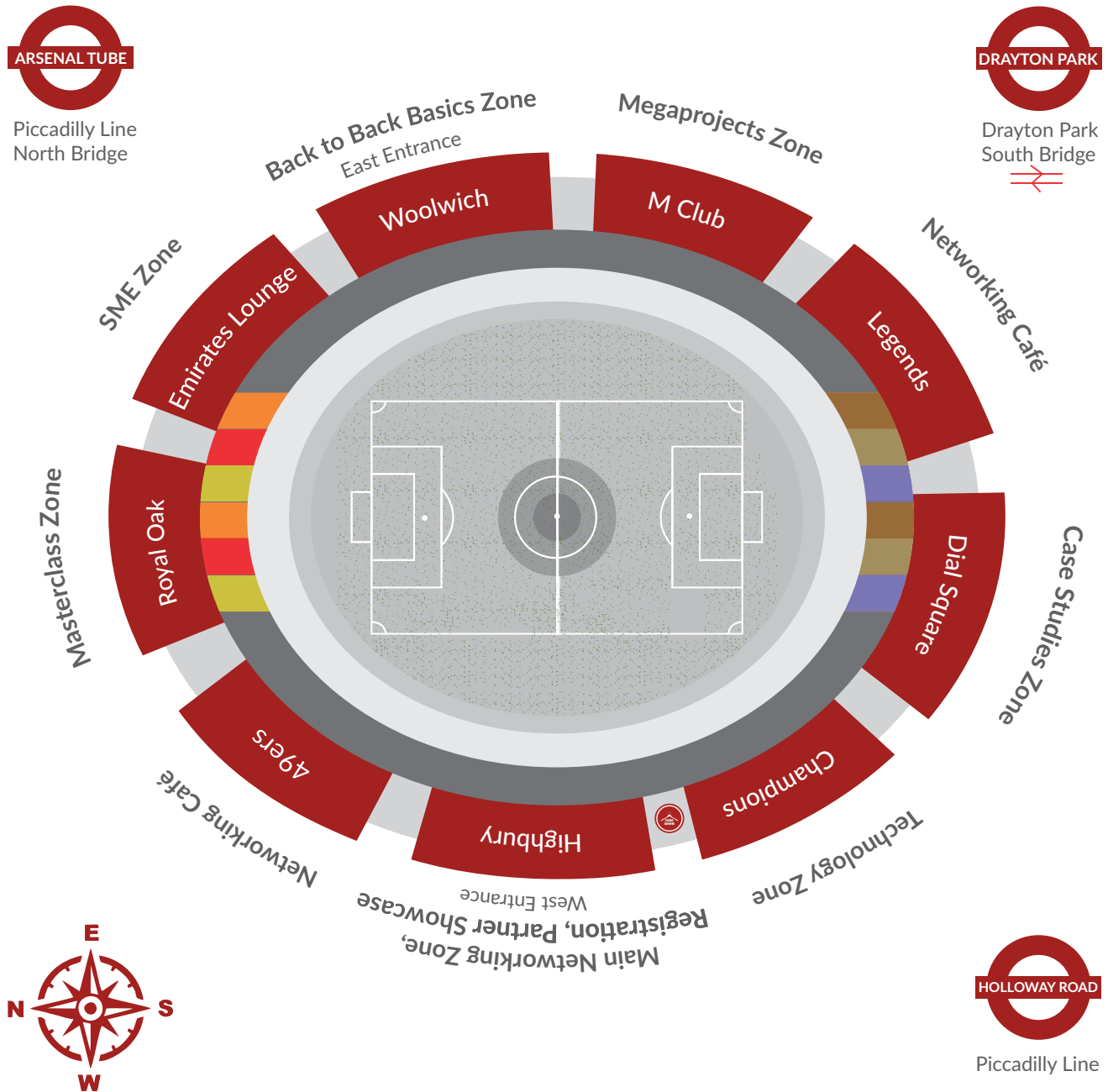
It is then followed by 3 course meals as following. Please let us know your choices using codes for ex., S1, M1, D1

Starter	Main	Dessert
S1: Ham hock terrine, honey and mustard dressing, piccalilli and sour dough croute	M1: Sautéed supreme of chicken filled with sun blushed tomato mousse, potato and parsnip gratin, stem broccoli and honey glazed Chantilly carrots with a thyme jus	D1: Brioche bread and butter pudding with baileys and Irish cream
S2: Cured salmon, blood orange cream, fresh pickled baby beets, dill and lemon oil	S2: Pan fried red snapper, grilled courgette, pea, baby corn with a pepper coulis	D2: French pear and raspberry tart with lemon sorbet
S3: Pickled beetroot carpaccio, goat's cheese crumb and walnut nuggets with a Dijon mustard dressing (v)	M3: Spinach, caramelized garlic, red pepper and potato pithivier roasted new potato, baby vegetables with a light cream sauce (v)	D3: Elderflower pannacotta with a homemade pistachio shortbread

**Important note**

If you have any special dietary requirements, please consult our support team or stewards for additional info.

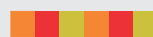
Overall Expo Layout (Bird's eye view)



- Partner Showcase, & Main Networking Zone @Highbury Suite.
- Masterclass Zone @Royal Oak Suite.
- Case Studies Zone @Dial Square Suite.
- Technology Zone @Champions Suite.
- SME Zone @Emirates Lounge.
- Back to Basics Zone @Woolwich Suite.
- Megaprojects Zone @M Club.
- Networking Café @Legends and 49ers Suite.
- Quiet Zone* are located at "Galleries" of Royal Oak Suite and Dial Square Suite.



Cloak room



Partners Lounge
(Access is by invitation only)



Speakers Lounge





Quiet Zones

Quiet Zones offers you peaceful areas with comfortable seating. Please keep your phones “switched off” or in “silent mode” to ensure you don’t disturb others. You can also access/view all the presentations from Quiet Zones if you wish to do so.

Please note, considering the size of the event, Expo is spread across entire stadium so please make yourself fully aware of all the zones and plan your sessions accordingly. There is plenty of seating capacity (circa 250) in each zone to ensure you don’t miss any presentation if you get late due to travelling between various zones.

For your convenience, below is some guidance on walking time between various zones

- Highbury to Royal Oak: circa 20 seconds
- Highbury to Dial Square: circa 20 seconds
- Highbury to 49ers: circa 10 seconds
- Highbury to Champions: circa 20 seconds
- Dial Square to Royal Oak: circa 20 seconds
- Highbury to Woolwich : circa 10 seconds
- M Club to Highbury: circa 20 seconds

Social

Join us in the evening for a complimentary drink at our networking social.

To ensure delegates have least problems with navigation, there is significant signage at venue and in addition to that we have our crew/stewards who can help you move across the stadium efficiently.



And Relax!

After an intense day of learning come and join organisers, delegates and leading Project Controls Expo Partners for some uninterrupted networking. Re-acquaint yourself with old friends and make new contacts whilst enjoying a few drinks.

Event snapshot and Layout

Four parallel tracks showcasing 18 educational presentations, workshops and case studies in addition to Partner Showcase and Job Fair

Partner Showcase & Job Fair

Up to 42 Partners showcasing a range of cutting edge products, technologies and services for Project Controls. We are delivering new partners in addition to our long standing partners who support us each year. We have several employers presenting exciting global Project Controls opportunities who can also discuss training and apprenticeship schemes.

@ [Highbury Suite](#)

Masterclass Zone

This is a fantastic opportunity to come along to the Masterclass Zone to study and discuss the theory and practice of Project Controls. Our leading Project Controls professionals, from around the world, with extensive experience, will provide seven educational presentations that will help you to build and enhance your project controls knowledge and skillset.

@ [Royal Oak Suite](#)

Technology Zone

Presenting seven in depth sessions of 45 minutes each where our technology partners will demonstrate the functionality and capabilities of their innovative products. The partners will provide industry case studies and some will be represented by their clients from industry. You will be able to visit these partners for further information at their stands following their presentations.

@ [Champions Suite](#)

Case Studies Zone

“Real World” problems and issues are what brings the application of Project Controls alive. This case study zone enables you to discuss the application of Project Controls in addressing the problems with top industry speakers with extensive global experience. A real opportunity to engage with and learn from those people who are prepared to share their personal knowledge.

@ [Dial Square Suite](#)

SME Panel/Zone

Meet our Subject Matter Experts (SME) in Programme Management, Earned Value, Cost Engineering, Risk and Forensics for 1:1 sessions of 30 min each for discussing your specific cases/queries in details. Delegates to register at event reception desk on arrival.

@ [Emirates Lounge](#)

Back to Basics Zone

This stream discusses the fundamental elements of Project Controls disciplines in detail. This zone provides further education and understanding aimed for beginners and intermediate Project Controls professionals. This is an exceptional opportunity for individuals who have just entered the Project Controls profession or who wish to gain insight on the various sub-functions of Project Controls.

@ [Woolwich Suite](#)

Megaprojects Zone

Megaprojects are projects with budgets over >£1B. These temporary endeavours are characterized by large investment commitment, vast complexity and have the potential to make a long-lasting impact on the economy, environment and society. In this Zone, we aim to discuss how to maintain governance over the multi-tier supply chains that requires the very best of talent, tools and processes.

@ [M Club](#)

Time	Masterclass Zone @ Royal Oak Suite	Technology Zone @ Champions Suite	Case Studies Zone @ Dial Square Suite	Megaprojects Zone @ M Club	Back to Basics Zone @Woolwich Suite (Sponsored by Project Controls Institute)
0800 - 0900	Registration, Coffee and light breakfast @ Highbury Suite (Partner Showcase Zone)				
0900 - 0930	<p>Topic: Infrastructure & Projects Authority update</p> <p>Speaker: Dr. David Hancock, Construction Director for Infrastructure & Projects Authority, Cabinet Office, UK</p>				
0940 - 1025	<p>Session M1: Establishing a Project Controls Function at the UK Defence Equipment & Support Organisation</p> <p>Speaker: Dr. Tim Sheldon, Head of Project Controls (DE&S) for Ministry of Defence, UK</p>	<p>Session T1: Digital Transformation - Its impact on control and productivity</p> <p>Speaker: Geoff Roberts, Industry Strategy Director for Oracle Construction and Engineering, UK</p>	<p>Session C1: Enterprise Scheduling and Risk Management at Los Angeles Metro</p> <p>Speaker: Julie Owen, DEO Program Management for LA Metro, Los Angeles, USA</p>	<p>Session P1: Governance and Assurance for Nationally Significant Infrastructure Projects</p> <p>Speaker: Terri Harrington, Sponsorship Director – Complex Infrastructure Programme (CIP) for Highways England, UK</p>	<p>Session B1: What makes a good plan, and how do you know you've got one?</p> <p>Speaker: Paul Kidston, Director of Project Controls for Costain Group PLC, UK.</p>
1025-1040	Mid-Morning Coffee Break @ Highbury and 49ers			Mid Morning Coffee Break from 1025hrs -1040hrs @ WM Club	
1045 - 1130	<p>Session M2: Improving forecasting to optimise programme and project decisions</p> <p>Speaker: Chris Beach, Strategy Director for Amec Foster Wheeler, UK</p>	<p>Session T2: Integration is key to successful Project Controls</p> <p>Speaker: David Hurren, Technical Director for RPCuk, UK</p>	<p>Session C2: Case study in Company Project Controls Transformation (Tata Steel UK / Faithful+Gould)</p> <p>Speaker: Rod Whiting, Regional Director for Faithful+Gould, UK and Christian Burge, Head of Project Controls for Tata Steel Strip, UK</p>	<p>Session P2: Adding Value through the Lower Thames Crossing project</p> <p>Speaker: Iain Minns, Partner, UK Head of Programme & Project Controls for Arcadis, UK</p>	<p>Session B2: Economic Value Chains – costing the impact of risk</p> <p>Speaker: Colin Sandall, Senior Consultant for QinetiQ, UK and Peter Tart, Senior Consultant for QinetiQ, UK</p>
1145 - 1230	<p>Session M3: Project Controls Technician Apprentice – Joining the puzzle together</p> <p>Speaker: Anil Godhwale- Programme Director, Project Controls Institute, UK and Catherine Lambert- Product Development Manager, ECITB, UK and Shane Forth, Director of PMO for Costain Natural Resources, UK</p>	<p>Session T3: The impact of Risk on the Five Immutable Principles of Project Success</p> <p>Speaker: Richard Wood, VP International Sales for Safran Software Solutions, UK</p>	<p>Session C3: Programmatic Controls Approach to: Fast track Disaster Recovery</p> <p>Speaker: Saurabh Bhandari, Technical Principal, Project & Programme Controls for Mott MacDonald, UK</p>	<p>Session P3: Tideway – Transforming the Thames</p> <p>Speaker: Niall Faris, Project Controls Leader for Tideway, UK</p>	<p>Session B3: Managing the risk of change</p> <p>Speaker: Simon White, Risk Management Consultant for Trigo White Ltd, UK</p>
1200 - 1230	Lunch Break (for exhibitor ONLY) @ Highbury			Lunch Break from 1230-1310 (for delegates ONLY, Restricted to "Back to Basics" and "Megaprojects Zone") @WM Suite	
1230 - 1310	Lunch Break (for delegates ONLY) @ Highbury and 49ers				
1315 - 1400	<p>Session M4: Ethics in Project Controls Professional world</p> <p>Speaker: Dr. Alexia Nalewaik, AACEI President-elect, California, USA</p>	<p>Session T4: Enterprise Projects Performance: Going Beyond Project Controls</p> <p>Speaker: Mark White, Senior VP, Global Business Development for EcoSys, UK</p>	<p>Session C4: A Source of Project Cost Integration</p> <p>Speaker: David Hurren, Technical Director for RPCuk, UK and Marie Trembacki, Associate Director for Faithful+Gould, UK</p>	<p>Session P4: Governance and the art of decision making on Crossrail</p> <p>Speaker: Walter Macharg, Head of Change Control and Cost Assurance for Crossrail, UK</p>	<p>Session B4: NEC4: Evolution of the ECC</p> <p>Speaker: Ben Walker, NEC4 Contract Drafter, CEO for CEMAR, UK</p>
1410 - 1455	<p>Session M5: Benefits Management - Benefits are for life not just for the Business Case</p> <p>Speaker: David Liversidge, Principal Consultant for BMT Hi-Q Sigma, UK</p>	<p>Session T5: The Future of Project Controls: Improve project performance using Big Data</p> <p>Speaker: Martin Van Vliet, Business Director for Cost Engineering BV, Netherlands</p>	<p>Session C5: National Grid Project Controls Journey – past, present and future</p> <p>Speaker: Tim Fenimore, Head of Project Controls for National Grid, UK and Sanjay Lodhia, Head of Governance & Assurance for National Grid, UK and Tony Abiad, Head of Estimating & Cost for National Grid, UK</p> <p>Apprentice speakers: Perri Hughes, Oliver Kitching and Danielle Davies</p>	<p>Session P5: Governance: An Enabler?</p> <p>Speaker: Ian Beaumont, Delivery Partner Programme Director for WSP, UK and Danny Vaughan, Head of Metrolink for TfGM, UK</p>	<p>Session B5: Navigating BIM waters</p> <p>Speaker: Natacha Redon, Associate / BIM Lead for Identity Consult, UK</p>
1455-1510	Afternoon Coffee Break @ Highbury and 49ers			1455-1510 : Afternoon Coffee Break @WM Club	
1515 - 1555	<p>Session M6: Planning and Project Controls under NEC4 – the choice isn't yours!</p> <p>Speaker: Glenn Hide, Director for GMH Planning Ltd., UK and Hezron Ricketts, Senior Manager, Senior Counsel to the Board for Th3rd Curve, UK</p>	<p>Session T6: ARES Prism - Integrating Project & Portfolio Management</p> <p>Speaker: Lateef Daly, Director of Operations, Europe & Middle East, for ARES Prism, UK</p>	<p>Session C6: A review of whether interdependency exists in effective Project Control Methods and project performance</p> <p>Speaker: Michael Halliday, Director for HKA, UK</p>	<p>Session P6: Project Control Staff – Make or Buy?</p> <p>Speaker: Mike Laws, Project Controls Manager for CH2M, UK</p>	<p>Session B6: Managing Changes on a Capital Programme</p> <p>Speaker: Iain Cameron, Technical Director for LogiKal Projects, UK</p>
1600 - 1645	<p>Session M7: Optimising Portfolios and Programmes in an ever changing world</p> <p>Speaker: Matthew Ward-Close, Senior Manager for PwC, UK</p>	<p>Session T7: Enterprise Project Management Solutions - Install and train, job done?</p> <p>Speaker: David Dunning, Chairman for CPS, UK</p>	<p>Session C7: The rise of the "gigaproject": from mega to giga and why it matters</p> <p>Speaker: Guy Barlow, Global Commercial Director for Connected Cost, Aconex, Phoenix, USA</p>	<p>Session P7: Next Generation Planning for Mega Projects</p> <p>Speaker: Dr. Dan Patterson, CEO and Founder for Basis PM, Texas, USA</p>	<p>Session B7: Balancing burdens of proof in dispute avoidance and resolution</p> <p>Speaker: Ari Isaacs, Founder and CEO for ShapeDo, Israel</p>
1655 - 1730	Panel discussion and Audience Q&A at Royal Oak Suite.				
1730 - 1845	Evening Social @ Highbury Suite offering final opportunity to network with pint of beer, wine and soft drinks. Open to ALL.				
1805 - 1845	"Stadium tour" for pre-registered delegates.				
1900 - 2200	Exclusive Dinner@ Diamond Club hosted for Speakers, Sponsors and pre-registered guests/delegates.				
All Day	Executive Box Royal Oak (# 22) features Training ByteSize sessions.				

Expo 2017 also features "SME – Subject Mater Expert Zone/Panel" at Emirates Lounge (Entry by pre-registration only).

All the presentations will be uploaded on the Expo app on the event day. Additionally, these presentations and videos will also be available on Expo website under "Past Events" tab within one month after the event. Please note, some of the presentations may be excluded due to copyright or confidentiality reasons.



AAACE International

AAACE International (Association for the Advancement of Cost Engineering) has 8,500 members in 100 countries, and has been serving the total cost management community since 1956. We are committed to the constructive exchange of ideas between members, development of technical guidance and quality education and recognition of subject matter experts. Our members work in a variety of disciplines and across all industries.

Members get free access to digital editions of AAACE's TCM Framework® (Total Cost Management Framework®).

Total Cost Management Framework® : An Integrated Approach to Portfolio, Program, and Process Management, 2nd Edition and the Recommended Practices (RPs) which are a series of documents that contain valuable reference information that has been subject to a rigorous review process and recommended for use by AAACE's Technical Board. Our members read the best in technical articles published in Cost Engineering journal or Source magazine. Our members also have free access to search over 5,500 of technical articles in AAACE's Virtual Library and they can also network with other professionals at the Annual Meeting, at local section events, or virtually within the AAACE Communities.

For over 40 years AAACE has been certifying individuals. AAACE offers the following certifications: Certified Cost Professional (CCP), Certified Cost Technician (CCT), Certified Estimating Professional (CEP), Certified Forensic Claims Consultant (CFCC), Earned Value Professional (EVP), Decision and Risk Management Professional (DRMP), Certified Scheduling Technician (CST) and Planning & Scheduling Professional (PSP). AAACE's CCP, CCT, CEP, EVP, and PSP certifications are independently accredited by the Council of Engineering and Scientific Specialty Boards.

W: web.aacei.org



ABSolutely (ABS)

ABS specialises in business development for a portfolio of technology companies in the capital project space. ABS client Freeform3D will be demonstrating the use of 4D planning and VR techniques to revolutionise risk reduction workshops. Time phasing the elements of a BIM model is now much more straightforward than people realise. Stop by our stand to immerse yourself in a virtual building site with the ability to move forward and backward in time from any position, even that of a crane driver.

Shatz Ltd. trading as ABSolutely Low Risk Business Development

W: www.shatz.co.uk



Aconex

Aconex provides a leading cloud and mobile project control platform for the global construction industry. The platform connects owners, contractors and their project teams in the construction, infrastructure, and energy and resources sectors, providing project-wide visibility and control between the many different organisations collaborating across their projects.

With more than 60,000 user organisations and over \$1 trillion of project value delivered in more than 70 countries, Aconex is the industry's most widely adopted and trusted platform. Founded in 2000, Aconex has 47 offices in 23 countries around the world, including headquarters in Melbourne, Australia and European Headquarters in London, UK. Customers include nine of the world's top ten EPC firms, 23 of the 25 largest global design firms, and nearly all Fortune 500 construction and engineering firms.

Aconex has a strong presence in Europe with offices in the UK, France, Poland, Austria, Russia and Germany. Clients and projects in the UK include Lend Lease, Mace, AECOM, Heathrow, Battersea Power Station and Cambridge University.

W: <https://www.aconex.com/>



Association for Project Management (APM)

The award-winning Association for Project Management (APM) is the Chartered body for the project profession. APM was awarded a Royal Charter as part of its strategy to raise awareness and standards in the profession. The receipt of a Royal Charter marks a significant achievement in the evolution of project management. APM has over 23,000 individual and 570 corporate members making it the largest professional body of its kind in Europe. APM is committed to developing and promoting project and programme management through its FIVE Dimensions of Professionalism. There are a number of ways in which you can benefit from what APM does, including membership, qualifications, publications, research and events.

W: <http://www.apm.org.uk/>



The Association of Cost Engineers (ACostE)

The Association of Cost Engineers was formed in 1960, in London, as the British Group of the American Association of Cost Engineers. In 1962 an independent British Association of Cost Engineers was formally and legally incorporated having similar aims and objectives to AACE. Since then ACostE has developed into an organisation which provides a range of institutional services for its members. It promotes the technical study and development of cost engineering with the objective of furthering the application of scientific principles and techniques to problems of Project and Produce Control, Cost Estimating, Scheduling, Planning, Risk Analysis, Profitability, Investment Appraisal and allied topics.

Objectives of ACostE

- To promote Cost Engineering as a recognised discipline of engineering technology
- To provide means of developing, exchanging and disseminating standards, methods and data relating to Cost Engineering & Project Controls
- To provide recognised standards of attainment in the practise of Cost Engineering & Project Controls
- To set up and maintain proper standards of professional conduct and ethics of its members in the practice of Cost Engineering
- To hold, promote or support meetings and distribute literature and information in pursuit of its objectives
- To co-operate with other bodies in the UK and elsewhere having objects cognate with those of the Association and to liaise with other similar bodies for the purpose of the reciprocal exchange of information
- To encourage social activities among members

W: <http://www.acoste.org.uk>



Amec Foster Wheeler

Amec Foster Wheeler is an integrated engineering, project management and construction firm employing around 35,000 people in more than 55 countries.

We operate across the clean energy, power generation, oil and gas, mining and environment and infrastructure markets where we provide full life-cycle services to our customers, from initial planning and consulting through engineering, procurement and construction project delivery.

We deliver safe, fast-tracked projects for our customers by living our core values: delivering on promises, developing full potential and doing the right thing.

Our Environment and Infrastructure team is a leading consultancy providing masterplanning,

engineering and environmental scientific and technical services to help our customers successfully define and develop their projects. In conjunction with these services our Programme and Project Solutions team provides leading approaches for the optimised planning and control of our customer's programmes and projects from initiation through to completion including programme and project management, planning and controls, commercial management and construction assurance.

Our approach is built around a focus on sustainability and protecting the return on investment of our customer's programmes and projects. This is achieved through active tracking of quality, schedule, cost, benefits and risk and using predictive analysis to identify deviations from plans and taking action to maintain delivery of objectives.

W: <https://www.amecfw.com/>



Arcadis

Arcadis is the leading global Design & Consultancy firm for natural and built assets. Applying its deep market sector insights and collective design, consultancy, engineering, project and management services it works in partnership with clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. Arcadis has 27,000 people active in over 70 countries that generate €3.3 billion in revenues.

W: <http://www.arcadis.com/>



ARES PRISM

ARES PRISM is the world leader in Project Cost Management offering innovative technology that meets the needs of diverse industries such as transportation, engineering, construction, oil & gas, mining, utilities, and aerospace. PRISM is an enterprise project lifecycle management solution that supports the planning, execution, and completion of projects for dependable forecasts, cost control, and performance measurement. PRISM aligns the project budget and schedule, provides automated change management, and delivers predictive analytics with reports and dashboards so that you can make better informed decisions.

W: <http://www.aresprism.com/>



AWE

AWE has been central to the defence and security of the UK for over 60 years providing and supporting warheads for the UK's nuclear deterrent. We are proud of our world-class research, design and production facilities through which we deploy extensive science, engineering and technology capabilities.

As a trusted partner, we use our skills and capabilities to assist the UK Government in the development of national emergency response arrangements as well as the delivery of a range of innovative and integrated support services, including radiation protection advice and training, and national nuclear security. Through our links with industry and institutions such as universities, professional bodies and government agencies, we build upon and share knowledge to further develop defence and national security capabilities.

W: <http://awe.co.uk/>



Barbecana

Barbecana Schedule Risk Analysis is Easy and Fast.

One of the issues with schedule risk analysis is the perceived complexity, often because the data has to be exported to yet another tool for analysis.

Barbecana's Full Monte software performs Monte Carlo analysis against your original schedule in your native scheduling environment (Microsoft Project or Oracle Primavera P6). This saves time, reduces effort, and avoids issues with version control.

W: <http://www.barbecana.com>



BasisPM

From the founders of Pertmaster & Acumen, BASIS delivers next generation planning. BASIS Smart Planning™ allows teams to build plans faster. Get a taste of the BASIS Knowledge Library and how it supports knowledge development, retention & reuse for a better plan. Learn how team member schedule mark-up & planning review cycles capture expert opinion. See how we wrap analytics around the entire planning process driving the generation of smarter project plans. For the first time your team can build consensus & develop buy-in on a project schedule in significantly less time & with greater accuracy. Planning will never be the same. Build better plans, faster.

W: <http://www.basispm.com>



BMT HI-Q Sigma

BMT Hi-Q Sigma provides services to improve the performance of Portfolios, Programmes and Projects across Government, Defence, Energy and Transport sectors.

We add value by advising and working with you, transferring skills and knowledge to deliver sustainable change. We are flexible and pragmatic in our approach, tailoring best practice to your specific needs, while our understanding of your culture enables us to work within your teams to build successful, effective relationships.

Our portfolio services enable you to understand the complexity of your change initiatives, providing the confidence to select, prioritise, plan and deliver projects and programmes successfully against financial constraint, skills shortages and the demands of business as usual.

We provide a multi-skilled team with the insight to enable you to determine the optimal solution and the expertise and skills to implement it successfully. Our clients repeatedly tell us it is this combination of advising and doing that they value most.

Our programme services help you plan and manage a programme of change to deliver the desired outcomes, embed new capabilities into business as usual and realise benefits. Our expertise lies in providing Independent, objective advice and assurance to plan, control and assure programme activities.

We engage across all levels of your organisation to develop a realistic approach that takes account of your environment and culture. By working collaboratively with your teams, we help deliver sustainable change and maximise the benefit achieved.

Our project services help you improve the efficiency and effectiveness of project delivery to ensure you gain maximum value from your investment while delivering within Performance, Cost and Time constraints. Our experienced consultants transfer their skills and learning to your team to create a sustainable asset beyond the end of the project.

Our knowledge and experience supports you in decision-making, initiating, controlling and closing projects, and requirements management.

W: <http://www.bmt-hqs.com/>



CEMAR

Keep it simple with CEMAR, the online NEC and FIDIC contract management tool.

CEMAR (Contract Event Management and Reporting) is an online, web based system for NEC and FIDIC contract management. It provides a secure, cloud based environment for contract administration and reporting. CEMAR assists in contractual compliance whilst providing a collaborative tool with a consistent audit trail. CEMAR Analytics offers unparalleled business intelligence and trending across a broad range of data sets, custom dashboards and behavioural metrics.

W: <http://cemar.co.uk>



CH2M

At CH2M, we're excited by tough challenges. We love to take on our clients' most complex infrastructure and natural resource problems, turning them upside down and inside out, solving them in ways nobody has thought of before. Together, we create new pathways for human progress, breathing fresh life, energy and enterprise into every community we touch.

Our partners and clients include governments, cities and businesses in more than 50 countries. To meet their biggest challenges, we tap deeply integrated capabilities across our organization; in transportation, water, environmental, nuclear, oil & gas, industrial and urban environments. And we draw on the exceptional skills and creativity of our 20,000 people with an outstanding track record of expertly executing projects both big and small.

We love what we do, but we care just as much about how we work. Deep respect for our family of employees, our clients and the communities we serve guides us at every step. We aim to meet each day with integrity, an adventurous spirit and dedication to the well-being of people in our lives and work.

A legacy of ethical behavior

As one of the world's most ethical companies, we value corporate responsibility as central to our operations and interactions. We partner with local, national and international organisations to develop sustainable communities; promote science, technology, engineering and maths (STEM) education; and foster employee engagement in communities both near and far. In the UK we support the following organisations:

- **Social Mobility Foundation**- Assisting high-achieving young people from low-income backgrounds into top universities and professions.
- **Engineering UK**- Promoting the vital role of engineers and engineering to inspire the next generation.
- **Thames Estuary Partnership**- Ensuring effective sustainable management of the river Thames.
- **Business in the Community**- Supporting the responsible business network including international leadership in Human Rights.

W: <https://www.ch2m.com/>



Costain

Costain is a leading UK engineering and construction company, which has a portfolio spanning more than 150 years of technical excellence and a vision to be one of the UK's top providers. Costain helps to influence, shape and deliver solutions through leading concept, design and programme management consultancy for its clients' complex and niche engineering problems.

W: <http://www.costain.com/>



Cost Engineering

Cleopatra Enterprise offers an integrated Project Cost Management solution through the entire project lifecycle by including Cost Estimating, Scheduling, Cost Management, and Benchmarking in one system.

Using the state of the art technology, Cleopatra serves the process industry and is used by Owners, Contractors and EPC firms.

Over 20 years, Cleopatra has enabled more than 500 industry-leading companies in 75 countries to control large technical projects, improve their project performance and stay ahead of the competition.

W: <http://www.costengineering.eu>, <http://www.costmanagement.eu>



Crossrail

Crossrail Limited, established in 2001, is the company that has been set up to build the new railway that will become known as the Elizabeth line when it opens through central London in 2018.

It is a wholly owned subsidiary of Transport for London (TfL) and is jointly sponsored by TfL and the Department for Transport. Once the railway is complete it will be handed over to TfL and run as part of London's integrated transport network.

Crossrail is supporting Project Controls Expo as part of the Learning Legacy programme

W: <http://learninglegacy.crossrail.co.uk>



ECITB

Training Today, The Engineers of The Future

The Engineering Construction Industry Training Board (ECITB) is the statutory organisation, national training provider and awarding body with responsibility for the training and development of the UK's engineering construction workforce. Acting on behalf of the industry, the ECITB works closely with Government and employers to attract, develop and qualify engineering construction personnel in hundreds of skills and disciplines. We provide businesses with the means to train the engineers of today and tomorrow to the highest standards, via our extensive, regionally-based network of almost 200 specialist ECITB-accredited course providers.

W: <http://www.ecitb.org.uk/>



EcoSys

EcoSys is the global standard for enterprise Project Controls software. Our easy-to-use web-based platform, EcoSys EPC, helps organisations worldwide plan and manage project portfolios, control project costs, and improve project performance.

Our customers execute some of the world's largest projects and rely on EcoSys EPC to implement best practices for full lifecycle project controls including Project Cost Management, Project Portfolio Management (PPM), Capital Programme Management, Budgeting, Forecasting, Estimating, Workforce Planning, and Earned Value Management.

W: <http://www.ecosys.net/>



edison365

Including edison365ideas, an idea crowdsourcing solution, and edison365projects, a leading Project Portfolio Management (PPM) solution, edison365 is the idea generation and project management suite. Leveraging your existing investment in Office 365, edison365 harnesses the insight of your employees, and ensures effective project management on a platform they know. Use edison365ideas to crowdsource ideas, and edison365projects to turn them into visible and actionable plans.

With edison365ideas, invite employees to submit ideas for improvement based on their unique view of your business, at any time, from anywhere, on any device. Then, with best-in-class project management solution edison365projects, form collaborative teams to turn employees' ideas into reality, and provide transparent project details that help you understand your performance and optimise your resources all the way to delivery. All of this is handled on a stylish interface that is intuitive, customisable, and easy-to-use.

edison365 is the most effective way to identify and respond to gaps in your offering to customers and clients, and develop measurable outcomes to real business challenges. edison365 turns good ideas into great innovations – while maintaining operational efficiency, employee engagement, and a competitive advantage.

W: www.edison365.com

Partners



Faithful+Gould

Faithful+Gould is one of the world's leading integrated project and programme management consultancies, employing over 2,000 staff and have offices in UK and Europe, Asia Pacific, the Middle East & India and the America.

We operate at the forefront of the industry, property and education sectors, using a flexible and multi-disciplinary approach providing core services in: Cost Management, Programme Management, Project Management, Asset Management, Building Surveying and Project Controls.

W: <http://www.fgould.com/>



GMH Planning Ltd.

GMH Planning are specialists in NEC forms of contract and provide training, consultancy and resources into organisations who are using NEC3 or the newly launched NEC4 forms of contract. As recognised industry experts, we provide engaging training workshops to the whole of the industry using NEC3/NEC4 contracts. With well over 150 existing repeat clients, sessions focus on the key aspects of the contract and providing practical tips on how they can be administered to the benefit of all parties. Run as public or in-house sessions, these training courses will provide significant benefit to attendees and should avoid some of the problems that may otherwise occur.

GMH Planning provides consultancy on general project management of projects and specific contractual issues and interpretations. This includes reviewing contract documents at tender stage, highlighting Z clause amendments that may be an issue, as well as general advice during the life of a contract on its administration and commenting on issues that have resulted. We also work with project teams to look into disputes and to come up with potential resolution, thus avoiding a more formal route to dispute resolution. We can also carry out general project audits to identify strengths and weaknesses in the adherence of the contract.

GMH Planning also can provide resources in the form of planners, project managers and commercial staff to help bolster your team on a short/long term basis as part time/full time support. All such resources are experts in their field and very strong in terms of their understanding of NEC contracts.

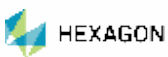
W: <http://www.gmhplanning.co.uk>



Gold Group

Gold Group recruitment agency has been supplying planners and project controls professionals for 14 years. We work with forward thinking leading organisations who understand their business is built on the people they employ.

W: <http://www.goldgroup.co.uk/>



Hexagon

Hexagon is a leading global provider of information technology solutions that drive productivity and quality across geospatial and industrial landscapes.

W: <http://hexagon.com/>



Highways England

Highways England is responsible for motorways and major (trunk) roads in England. Our road network totals around 4,300 miles. While this represents only 2 per cent of all roads in England by length, these roads carry a third of all traffic by mileage and two thirds of all heavy goods traffic.

England's major road network:

- forms the economic backbone of the country

- is open 24 hours a day, seven days a week
- is relied on by communities and businesses across the country

It will deliver £15 billion of investment on our road network as described in the government's Road Investment strategy.

W: <https://www.gov.uk/government/organisations/highways-england>



HKA

HKA is the new global brand that unites the former Construction Claims & Consulting Group of Hill International and associated subsidiaries – Binnington Copeland & Associates, Cadogans, Hill-PCI Group, Knowles and McLachlan Lister – following its sale and de-merger from Hill International, Inc.

With over 960 professionals operating from more than 40 offices in 21 countries worldwide, HKA is now one of the world's leading providers of advisory, consulting and expert services for the development of major projects, programmes and assets around the world in the construction, manufacturing, process and technology industries. HKA understands the pressures associated with delivering successful projects, whatever their size and complexity, wherever in the world. HKA finds solutions amid uncertainty, dispute and overrun, and provides the insight that make the best possible outcomes a reality for public and private sector clients worldwide. We anticipate, investigate and resolve project challenges.

W: <https://www.hka.com/>



Identity Consult

Identity Consult are a leading Development Consultant operating primarily in the North of England but delivering projects as far North as Glasgow and as far South as Jersey.

The company is led by three Equity Directors who have hands on involvement on projects to ensure that our Clients benefit from our most experienced and empowered staff whilst delivering the following services:

- Project Management;
- Quantity Surveying;
- Employer's Agent;
- BIM Coordinator / Leader;
- Soft Landings Consultancy;
- Development Consultancy.

We are at the forefront of BIM implementation with this embedded in both our Project Management and Quantity Surveying services. In addition to this, we offer BIM Coordinator / Leader services which allows us to develop strategic BIM Requirements for our Clients to ensure that the design and delivery team fully understand the requirements on the project, and empower the Client to create efficiencies during operation.

- Housing (including private housing, affordable housing and specialist accommodation);
- Health;
- Care and Support;
- Education;
- Commercial;
- Regeneration and Masterplanning;
- Leisure.

As an organisation we also believe that we have a responsibility to put something back into the local communities that we serve. With this in mind we have founded a charity which through the power of football provides local children with sport, education, health and wellbeing and citizenship opportunities.

Partners

We have vast experience of working with both the public and private sector in the following sectors:

W: <http://www.identityconsult.co.uk/>



LA metro

Metro (the Los Angeles County Metropolitan Transportation Authority) is unique among the United States transportation agencies. Metro serves as transportation planner and coordinator, designer, builder and operator for one of the country's largest, most populous counties. More than 9.6 million people – nearly one-third of California's residents – live, work, and play within the 1,433-square-mile service area. Metro is responsible for the continuous improvement of an efficient and effective transportation system for Los Angeles County

W: <https://www.metro.net/>



LoadSpring™

LoadSpring™ is the market leader in providing Cloud-based Project Management solutions that are quick and easy to deploy and implement, ensuring customers maximize their return on investment from Project Management applications immediately. Our proprietary SpringBoard™ Cloud Portal offers shared, private and global solutions for enterprise customers who need an easy pathway to the cloud, all in a single location using a single sign-on for all their Project Management and Engineering applications.

We currently support 3,000 companies and 75,000 users worldwide with a 95% customer renewal rate. Over 1 million projects are being managed on the SpringBoard with security and backup provided by 4 regionally synchronized Class A data centers in London, Boston, San Diego, and Toronto.

W: <http://www.loadspring.com/>



LogiKal

Logikal is a specialist consultancy with a focus on project intelligence delivering project controls, planning, systems and training solutions to the UK, Australian & Hong Kong infrastructure environments.

Logikal's solutions include:

- Systems Support - Solutions, Proof of Concept, Implementation and Support.
- Project Planning, tenders - Commissioning, Earned Value, 4D Construction Planning and Forensics.
- Project Controls - Solutions, Strategic Partnering, Resource Strengthening and Training.
- Project Management Training & Education (Vocational Training, Software Training)
- Project Management Consultants and Personnel
- Project Management Office (PMO) Systems and Process Implementation

W: <http://www.logikalprojects.co.uk/>



Ministry of Defence

Part of the Ministry of Defence, but with bespoke trading entity status, Defence Equipment & Support (DE&S) is responsible for the procurement and ongoing support of equipment to Her Majesty's armed forces. With over 12,000 employees, working across 150 locations, we manage a huge range of complex acquisition and support programmes. From delivering aircraft carriers and fighter jets, to armoured vehicles and field kitchens, it's our job to ensure the UK's

military have everything they need to do theirs.

W: <https://www.gov.uk/government/organisations/ministry-of-defence>



Mott MacDonald

Mott MacDonald is a £1.5bn engineering, management and development consultancy. We're involved in:

- solving some of the world's most urgent social, environmental and economic challenges
- helping governments and businesses plan, deliver and sustain their strategic goals
- responding to humanitarian and natural emergencies
- improving people's lives

At Mott MacDonald we connect deep technical knowledge with advisory expertise to deliver innovative solutions which create value for our clients. A depth and breadth of technical skills across multiple sectors combined with unique advisory insights ensures that our clients make the right decisions. We focus on global best practise, thought leadership and clear direction to ensure consistent delivery on all our projects. Our Advisory services include Project, Programme, and Commercial Management (PPCM) services, Infrastructure Finance, Economics, Asset Management, Management Consultancy and we work across all major infrastructure and social sectors.

As an employee owned organisation, we build long term relationships and always focus on creating sustainable value for our clients. For every project, we provide the blend of talent required to achieve the right result – appropriate; cost, carbon and resource-efficient; safe, easy, swift to deliver and operate; reliable and resilient; delivering great outcomes. Engineering. Management. Development.

W: <https://www.mottmac.com/>



National Grid

National Grid is an international electricity and gas company based in Warwick, the heart of the UK, and in North-Eastern USA. We play a vital role in connecting millions of people safely, reliably and efficiently to the energy they use. Project and operational management are at the centre of everything we do.

National Grid is at the core of one of the greatest challenges facing our society – delivering clean energy to support our world far into the future. It is vital we work with all our stakeholders to promote the development and implementation of sustainable, innovative and affordable energy solutions. The environment is rapidly evolving, with significant changes in supply and demand.

Capital Delivery is responsible for delivering all of the major digging, tunnelling, excavating, overhead line and cabling work associated with large projects for both gas and electricity transmission. This is an exciting time to be working within Capital Delivery as we invest £1 billion a year into our electricity and gas transmission networks. This of course, needs to be delivered to time, cost and quality whilst not compromising safety.

Recognising the importance of making Capital Delivery fit for the future, we have focussed on developing our existing workforce and bringing in new talent to build capability, develop new ideas and create a diverse workforce to deliver value for our customers and shareholders. The Project Controls team, led by Tim Fenemore, provide the framework to control Capital Delivery's strategic workbook and manage Estimating, Scheduling, Risk, Cost and Performance Reporting. Project Controls also provides the toolset, processes and specialists to run the Earned Value Management system the business needs to control over 200 'in flight' projects across our many delivery programmes, whilst also driving the development of new schemes (e.g. to connect new power supplies such as nuclear power stations and wind farms).

W: <http://www.nationalgrid.com/>

Partners

ORACLE
Construction
and Engineering

Oracle- Primavera

Oracle- Primavera, a wholly owned subsidiary of Oracle Corporation, is the leading worldwide provider of enterprise project portfolio management (PPM) solutions for project intensive industries. Primavera's PPM software helps companies propose, prioritise and select project investments and plan, manage and control the most complex projects and project portfolios.

W: <http://www.oracle.com/index.html>

**Project Controls
Institute**

Project Controls Institute (PCI)

PCI aims to offer a blended learning program covering the full spectrum of Project Controls comprising all its base elements (Planning & Scheduling, Cost Engineering and Estimating, Change Management, Risk Management, Delay Claims and Forensic Schedule along with Contract Management) that leads to global accreditation.

PCI's USP is its unique content, delivery (blended approach) and Framework which allows candidates to map their learning/education to global certifications (eg., AACEi, APM, ECITB and PMI). The Programme participants are expected to achieve an improved level of competency through self-learning along with Handbook available to all the delegates.

W: <http://www.projectcontrolsinstitute.com/>

PMI
UNITED KINGDOM CHAPTER

PMI UK

- PMI UK is a professional project management membership organisation in the UK. PMI UK has over 3,500 members and was founded in 1995. It welcomes members from all facets of projects and from all industries.

- PMI UK is active in promoting project management to industry and government organisations.

- PMI is one of the world's largest not-for-profit membership associations for the project management profession. Its professional resources and research empower more than 700,000 members, credential holders and volunteers in nearly every country in the world to enhance their careers, improve their organisations' success and further mature the profession.

- PMI's worldwide advocacy for project management is reinforced by its globally recognized standards and certification program; extensive academic and market research programs; chapters and communities of practice and professional development opportunities.

W: <http://projectmanagementinstitute.org.uk/>

projcon | integrated
project controls

Projcon Group

We are an exclusive, niche and rapidly-growing Project Controls consultancy offering innovation, advice, implementation, technical and training support to our clients around the world. Through our consulting services, we facilitate the integrated global use of Project Controls technology, methods and practices in every sector and for every customer. Put simply, we are "one stop shop for all Project Controls needs".

As well as our consulting and advisory role, Projcon contributes to three interlinked initiatives:

Project Controls Online (PCO) - Projcon is the principal sponsor of PCO which acts as central hub and knowledge repository, open to all Project Controls professionals, providers and consumers. It is here that members from over 190 countries join to share expertise, network, find new career opportunities, and access industry-leading tools and guides.

Project Controls Institute (PCI) - It is where we train the Project Controls leaders of tomorrow and support a global workforce of Project Controls professionals through every stage of their career. Via our blended-learning platform and multi-accreditation system, students can gain global qualifications, certification and real-world training.

Project Controls Expo (PCE) - Projcon is a key supporter to PCE which brings our industry together for the world's largest Project Controls event: a full day showcase, workshop and social experience where delegates can learn, network, and gain access to some of Project Controls' leading innovators, partners and experts.

W: <http://projcon-group.com/>



PrimaveraReader

PrimaveraReader is a simple to use viewer for XER and XLS project schedules. It's a standalone application that offers greater control by providing each member with clear activity insights in a cost - effective way.

Key features

- Activities - Interactive overview of the open project activities with visual presentation in Gantt View.
- Different views - Display WBS, EPS, OBS, Resources and Assignments.
- Baselines - Easy visual comparison of different project versions.
- Auto Filtering data in one or more columns based on the cell contents.
- Progress Update - Give status on % complete; actual start/ end date or comments.

There is a high market need for such a cost-effective project viewing solution as many project team members don't need a fully featured professional software license to only view the project files. Instead of sharing the projects in PDF, companies are adopting our solution.

W: <http://www.primaverareader.com>



PwC

The PwC Capital Project Services Team

The Capital Project Services (CPS) team is part of PwC, a global professional services organisation. Our CPS team comprises a multi-disciplined range of qualified professionals primarily consisting of Engineers with a wide range of capital projects and infrastructure related backgrounds.

We're a team with diverse skills and experience, united by our deep knowledge of major projects – gained from working in industry – and a passion to see our clients' toughest projects succeed.

We believe that major projects can transform lives. But we also believe that delivering them successfully needs more than stock answers. It needs collective experience; a balance of rigour and intuition.

We're at our best when we're working closely with clients, challenging their thinking on the most complex critical projects.

Our Intelligent Controls

When visibility of capital programme performance is scarce, unreliable or conflicting, stakeholder confidence and trust can be quickly lost. Programmes can derail and organisations can start to feel like passengers.

Intelligent Control is our proven approach that puts organisations back in control of their major programmes. It is based on three key principles: establish control, restore confidence and enable decisions.

- Establish control:- Getting a grasp of the programme, ensuring that your teams are focused

on the right things and establishing the capability needed for success

- Instil confidence:- Providing stakeholders with the insight they need to restore confidence
- Informed decisions:- Enabling management to make effective, insight-driven decisions

W: <https://www.pwc.co.uk/>



QinetiQ

Who we are - Operating primarily in the defence, security and aerospace markets we offer our customers world-class expertise in advice, services (particularly test and evaluation) and innovative technology-based products. We are committed to listening, understanding and responding to our customers' needs. This enables us to use our depth of experience and our unique science and engineering expertise to equip them with powerful solutions to their most pressing challenges.

What we do - We offer our customers world-class expertise in advice, services (particularly test and evaluation) and innovative technology-based products. We deploy our scientific and technological knowledge, proven research capabilities and unique, purpose-built facilities to provide both services and products that meet the needs of a wide range of global customers. We operate primarily in the defence, security and aerospace markets and our customers are predominantly government organisations, including defence departments, as well as international customers in other targeted sectors.

Our People - QinetiQ is a company of over 6,000 people dedicated to being on the side of their customers. They are pragmatic and hugely experienced, looking always for enterprising, agile ways to create real benefit and added value. They are also natural collaborators, adept at making vital connections through forging industry partnerships and harnessing the best talents within the supply chain. It is these qualities, demonstrated every day by our employees, that mean QinetiQ can be trusted as a partner to enable, assure and protect our customers' interests.

Our Facilities - QinetiQ manages and operates extensive testing and evaluation capabilities for air, land, sea and target systems. We collaborate closely and responsively to give MOD, international and industry customers a competitive edge through the safe and secure conduct of operational and tactical training exercises that combine both real world and simulated events.

W: <https://www.qinetiq.com/>



RPCuk

RPCuk has been providing effective project controls solutions for over 20 years and helps organisations to create a holistic environment in which projects are routinely delivered successfully – on time and within budget – and expected returns on investment are fully realised. Our comprehensive portfolio of skills, services and solutions creates the ideal platform to support the complete project lifecycle-

- Project controls expertise
- Best practice processes
- Software solutions
- Consultancy and education
- Cloud infrastructure provision
- Application support

W: <http://www.rpc.uk.com/>



Safran

Safran Software Solutions, with offices in London and Stavanger, is a leading provider of Enterprise Project & Risk Management (EPRM) software solutions to project- and asset intensive industries. Safran is recognized globally for streamlining the EPRM process while elevating project delivery confidence through its integrated project reporting, risk and change management capabilities. Safran prides itself on the speed of user adoption and time to value achieved through its streamlined integrated approach.

W: <http://www.safran.com>



ShapeDo

Control Change as it happens

Drawing Changes present a major challenge to every project: drawings get updated and issued during the construction phase with little or no review process, little visibility into the content, and often not even under instruction.

ShapeDo's Drawing Comparison Solution arranges drawings and provides clear and accurate comparisons between versions. This enables pinpointed, nuanced, and fast internalizing of updates, and thus control of project scope and timelines.

Control Change with the ability to instantly create, circulate, and track documents that are directly connected to the root cause of change. Documents and workflows such as Early Warnings, Compensation Events, Instructions, RFIs, Change Orders, and others come pre-configured and can be customized to match your formats and workflows.

Get Payed for all the work you performed with a clear audit trail, superior information and visibility into scope and timeline changes, and compelling evidence regarding the cause of delays and additional costs in potentially contentious situations.

W: <http://www.shapedo.com>



Technology Resourcing

Technology Resourcing are specialist recruiters for the Planning and Project Controls community.

Working with the most respected clients, contractors and consultancies, we supply planning and project controls experts for a diverse range of major construction, infrastructure and utility projects across all industry sectors.

We've built a vast network of Project Controls Engineers and Managers over the past 22 years, so are very well connected - putting us in the best possible position to quickly secure the expert Contractors and Permanent staff our clients need.

Alongside our project controls recruitment we also manage a register of P3M System Architects, PM's, Technical and Functional Consultants to lead and support enterprise Primavera and Unifier implementations across EMEA.

We don't just find people with the requisite tech and project controls skills though, we thoroughly interview our candidates to ensure we only shortlist those who match our client's culture and will integrate well to their existing team, quickly adding real, tangible value to their projects.

Supplementing our own internal database (>50K) we also own and manage the largest Special Interest Group for this domain on LinkedIn - 'UK Planning and Project Controls'. If you're not already a member, take a look and join up, as it's an excellent forum to share ideas, benchmark, network and get expert advice from your peers.

W: <http://tech-res.co.uk/project-controls-commercial-jobs/>

Partners



Thames Tideway

Thames Tideway was launched in August 2015, with one task: delivering a new tunnel to protect the tidal river Thames from the tens of millions of tonnes of sewage pollution discharged into it every year.

The Thames Tideway Tunnel is one of the largest construction projects of its type in Europe. Main construction work on the tunnel, starting in 2016, will take up to seven years to complete. Tideway is building the tunnel to tackle the problem of overflows from the capital's Victorian sewers for at least the next 100 years, and enable the UK to meet European environmental standards.

But it's not just an engineering project, it's about building a London that meets the needs of generations to come.

More importantly, a key objective is to reconnect London with its river.

W: <https://www.tideway.london/>



Th3rd Curve

The Th3rd Curve is an exciting new Project Controls consultancy bringing together industry leaders and expertise from major infrastructure. Our purpose is to make project and programme controls the conscience of your business, to improve the intelligence and insight from information and to facilitate better decision making.

We believe in challenging the status quo and we believe in the benefit of ruthless simplification to drive efficiency. Th3rdCurve was founded on the principles that controls can and should be helping projects, programmes and portfolios achieve successful outcomes.

Our unique insight has been developed from many years of major programmes experience and it is our knowledge of the application of best practice principles that can enable your organisation to realise its delivery potential and beyond.

W: <http://th3rdcurve.com/>



Training ByteSize

Revolutionising the world of Project Management training with our accredited classroom, blended and e-learning solutions. What makes us different to everyone else? We are a family run business with over 20 years' experience of delivering Project and Programme Management training courses. We guarantee you a personal experience and will go above and beyond to offer you the highest quality training and support whether this is training for yourself or for your team. We can also create a bespoke training plan that suits your business's requirements. We develop our own e-learning or we can provide classroom courses in-house. Courses titles include: - Project Planning and Control - Better Business Cases - Managing Benefits - Business Analysis - Agile Project Management - PRINCE2 - Change Management - APMP and APMIC

W: <http://www.trainingbytesize.com>



TRS Staffing

TRS Staffing Solutions is a world leading recruitment company for professional, engineering, technical and field services talent. With over 30 years' expertise, TRS Staffing Solutions has been developing resources, skills and specialist expertise to benefit our clients and candidates. TRS Staffing Solutions places candidates across six continents on a contract, direct hire or permanent basis. Clients include industry leaders, global owners and operators, as well as engineering, procurement and construction (EPC companies), major consultancies and government departments

W: <http://www.trsstaffing.com/>



Trigo White Ltd

Trigo White Ltd was established in 2011 as a small consultancy offering expert services and software.

Our aim is to enable organisations to gain from practical, collaborative, transparent, and defensible risk management. Our principal consultant, Simon White, has 20 years' expertise in project schedule and cost risk analysis and management. We use White Box risk management which is clear, practical and adds value to the projects that use it.

We provide a project risk analysis and management service, which enables project teams to fairly quickly carry out a practical and credible quantitative risk assessment. The risk assessment helps teams to understand the risks the project faces, and to quantify them (to a reasonable degree). It helps projects make reasonable promises to stakeholders and customers, as well as prioritises the risks for mitigation, monitoring and management. It also fulfils the function of a formal schedule and cost risk assessment and analysis, which many projects require as part of their overall management discipline.

By helping risk and uncertainty to be understood, risk analysis and management increases efficiency and profitability, allowing projects and their limited resources to be given the best chance of fulfilling their expectations – and is increasingly valuable in a difficult economic climate.

W: <http://www.trigowhite.com>



WSP

WSP is one of the world's leading engineering professional services consulting firms. We are dedicated to our local communities and propelled by international brainpower. We are technical experts and strategic advisors including engineers, technicians, scientists, architects, planners, surveyors and environmental specialists, as well as other design, program and construction management professionals. We design lasting solutions in the Property & Buildings, Transportation & Infrastructure, Environment, Industry, Resources (including Mining and Oil & Gas) and Power & Energy sectors as well as project delivery and strategic consulting services.

With 7,000 talented people in the UK and 36,000 globally, we engineer projects that will help societies grow for lifetimes to come. WSP has been involved in many high profile UK projects including the Shard, Crossrail, Queen Elizabeth University Hospital, Manchester Metrolink, M1 Smart Motorway, the re-development of London Bridge Station, and the London Olympic & Paralympic Route Network.

W: <http://www.wsp.com/en-GL>

Detailed Agenda

Introduction & keynote @ Royal Oak Suite

Topic: Infrastructure & Projects Authority update

Update on the work of the IPA and its major project portfolio

About the Speaker



Dr. David Hancock



Construction Director



Infrastructure & Projects
Authority, Cabinet Office, UK

Dr. David Hancock leads the Government Construction Team and chairs the Government Construction Board. He was recently appointed as the NEC UK Users' Group Chair. Prior to that he was Head of Risk for Transport for London. Renowned internationally as a leading thinker and practitioner in the field of risk, he is the author of the bestselling book "Tame, Messy and Wicked Risk Leadership" in which he developed the concept of Risk Leadership. He has worked with the public, private and voluntary sectors and has been the Director of risk and assurance for two London Mayors and Board Director of Halcrow (now CH2M) responsible for setting up their consultancy group. He was Head of Risk for the Terminal 5 Project at Heathrow and champions the case for rethinking project management as a social interaction rather than delivery solely through the application of process and policy.

He is a high-risk project reviewer and sits on the boards for Buckingham Palace refurbishment and the British Antarctic Survey. He has a Degree and PhD in engineering alongside an MBA. A Chartered Engineer, Chartered Fellow of the Institute of Personnel and Development and Fellow of the Association of Project Management.

Master Class Zone @ Royal Oak Suite

M1: Establishing a Project Controls Function at the UK Defence Equipment & Support Organisation

Dr. Sheldon will provide an overview of project controls in the Defence Equipment & Support Organisation, highlighting the establishment of a dedicated project controls function and how this is being used to improve project performance across a delivery portfolio valued at £154Billion over the next decade. The overview will include the people, process and technology aspects of the new function as a key enabler of the transformation of the Defence Equipment & Support Organisation.

About the Speaker



Dr. Tim Sheldon



Head of Project Controls
(DE&S)



Ministry Of Defence, UK

Dr. Tim Sheldon is a career civil servant who has worked in the UK Defence acquisition sector for the last 20 years. He has held a variety of acquisition leadership roles including project delivery and support. For the last 7 years he has worked in project controls, leading the formation of a discrete MoD project controls function with 1500 staff in April 2017.

Dr Tim Sheldon took on his role as the DE&S Corporate Functional Manager for Project Controls in March 2016. He is now functionally responsible for 1500 DE&S Project Control staff – a new function and a critical enabler to the DE&S Transformation Programme. For the 5 years before this, he was the Head of the MoD Cost Assurance and Analysis Service (CAAS) team where he led the modernisation and expansion of the organisation supporting the cost management needs of the Department.

Since joining the MoD from University in 1997, Dr Sheldon has had a range of different roles across the Department with Defence Acquisition as his career anchor. He has worked within the Defence Engineering and Science Group, the Defence Procurement Agency, the Defence Communications Service Agency, the Defence

Logistics Organisation and latterly in the Defence Equipment & Support organisation since its establishment in 2007. He is based in Bristol, married with two young children.

M2: Improving forecasting to optimise programme and project decisions.

All programmes and projects start with an intent to deliver successfully. This success could mean delivering the outputs on time, to budget and at the right quality or it could be broader in terms of achieving the benefits or outcomes defined in the investment case. However success is defined, once into delivery surprises will come along that will require decisions to be made to maintain a route to success. This presentation will examine ways to better forecast the future success of programmes and projects and ways to gain greater confidence that decisions taken will improve the chances of success.

The presentation will provide a perspective on

- How well we can predict the future success of projects and what can be learned from other industries
- Approaches to defining success
- Effective data collection
- Consideration of uncertainty
- Using trends to improve forecasting
- Use of scenario analysis to evaluate how decisions may impact the project

About the Speaker



Chris Beach



Strategy Director



Amec Foster Wheeler, UK

Chris is a chartered engineer and has 25 years' of experience in the delivery of major capital programmes in transport and infrastructure sectors. He has held a variety of senior roles in client and consulting organisations leading multi-disciplinary teams to successfully deliver complex projects. He has developed and led portfolio and programme management offices delivering £multi-billion portfolios consisting of hundreds of projects and provided advice at board level

Chris leads the Amec Foster Wheeler Programme and Project Solutions service to environment and infrastructure clients in the UK, Europe and Middle East. This service provides end-to-end programme and project management and controls services aligned with technical and engineering services.

M3: Project Controls Technician Apprenticeship – Joining the puzzle together

The Project Controls Technician Apprenticeship (Level 3) that is part of the Government's Trailblazer programme aims to establish new standards for apprenticeships and is committed to reaching three million apprenticeship starts in England by 2020. It has been developed by an employer-led working group consisting of Project Control leaders from 40 organisations that deliver complex projects across engineering, energy, infrastructure, construction and manufacturing sectors. Professional bodies such as ACostE, APM, IRM and CICES have also contributed to the development together with training providers and academia

The standard and assessment plan are ready to be delivered and have been fully approved by the Minister of State for Skills at the Department of Education, giving the green light for the launch of the apprenticeship in Q3 2017. A funding band (core government contribution which is currently capped at £21k per apprentice has been assigned to the standard.

In beginning to promote the apprenticeship, we have found that employers have a positive approach to the Project Controls Technician apprenticeship but are not sure who to engage with to get started, how to achieve a return on investment against the new apprenticeship levy and how best to establish Project Control apprenticeships and use the flexibility in the way the programme can be configured to meet their requirements for a viable programme that at the same time satisfies the mandatory criteria required by government.

Detailed Agenda

In this session, we will discuss options and guide you, with our professional knowledge, in the right direction to provide a sure start for training your Project Controls apprentices.

About the Speaker



Anil Godhawale



Programme Director



Project Controls Institute, UK

Anil is passionate about Project Controls and working in multiple capacities for the implementation and enhancement of this growing subject i.e., Managing Director of Projcon Group (Project Controls Consultancy), Founder of Project Controls Online (Global Project Controls e-network and knowledge base), Project Manager for Project Controls Expo (Largest Project Controls event/show) and finally, Founder and Program Director at Project Controls Institute (Blended Project Controls learning platform),

Anil's professional experience spans over 19 years at corporate and field offices offering diverse and in-depth exposure to the implementation of Project Controls on a range of EPC Projects (Oil & Gas - upstream and downstream, CCU's - Carbon Capture Units, Power Projects and Pipelines).

Registrations, Certifications, Publications & Voluntary Contribution

- IEng registration with Engineering Council, UK
- Holds Certified Cost Engineer (CCE) and Planning & Scheduling Professional (PSP) certifications from AACEI, USA
- Strategy and Marketing Chairman at ACostE, UK
- Member of APM (Association of Project Management, UK) Special Interest Group (SIG) - PMC (Planning, Monitoring and Control) ; contributor to APM's "Planning Guide"? and "Project Controls Framework"
- Member of ECITB supported Project Controls Working Group (PCWG) and support in drafting NOC (National Occupational standards) for Project Controls in UK.
- Associated with CIOB (Chartered Institute of Buildings), UK as member of TDWG (Training Development Working Group) to develop guidelines for accreditation in Time Management
- Published Technical paper on Capital Cost Optimization of Power Project through standardization of engineering design to AACEI, USA.
- Contributed to "CPM Mechanics: The Critical Path Method of Modeling Project Execution Strategy" book by providing European perspective.

About the Speaker



Catherine Lambert



Product Development Manager



ECITB, UK

Catherine Lambert (Product Development Manager, ECITB) is an experienced manager with product development, project management and stakeholder engagement expertise. She supports the successful, pro-active Industry-wide Project Controls Apprentice Trailblazer Group and Project Controls Working Group. This has included working with industry to develop the new Project Controls Technician Apprentice Standard that is ideal for those embarking on a career in this field; project controls vocational qualifications and; comprehensive training standards that specify the technical knowledge and techniques essential for the continued successful delivery of project controls. These qualifications, apprenticeship and training products provide a training path ideal for those looking to develop a successful career in project controls. Catherine continues to support the Working Groups in ensuring the project controls profession is recognised industry and UK-wide.

About the Speaker

**Shane Forth**

Director of PMO



Costain Natural Resources, UK

Shane Forth is Director of PMO for Costain Natural Resources, a Fellow of both APM and ACostE and an MSP Registered Practitioner, Shane has 41 years' experience in Oil & Gas, Nuclear and Power & Process industries and is recognised externally by customers, peers and professional bodies as a project controls expert, sitting on national professional, technical and academic working groups. He has an MSc in Project Management awarded in 2013 from University of Manchester, and won the Stephen Wearne award for best overall performance followed by national acclaim, winning the APM Geoffrey Trimble award for best Master's post-graduate dissertation.

For the last 24 years, Shane has provided strategic and functional leadership in Project Management and Controls as a member of .senior leadership team at both global and divisional level including responsibility for the development and continuous improvement of project management assurance and project controls processes and systems. In the development of project controls people resource and competency to meet business needs, Shane has specified and delivered training through company Project Management Academies and been a driving force in the implementation of

national project controls apprenticeship and graduate programmes, for which he has been honoured twice by the ECITB including winner of a national award for individual leadership and significant contribution to training and development. Shane is currently Chair of the employer-led group that has developed the Level 3 Project Controls Technician Trailblazer apprenticeship programme and is currently developing a higher level programme.

M4: Ethics in Project Controls Professional world

Many professionals in cost engineering, project controls, project management, and quantity surveying are members of professional institutions. As members of those organizations, they are bound by an aspirational and mandatory Code of Ethics - or several codes, if they are members of more than one organization. This session explores key concepts and recurring themes in the ethics codes established by project-related professional institutions. The speaker then identifies typical ethics lapses in project controls, reflects on recent surveys of project controls professionals, raises questions about loyalty and good character, and discusses whether an ethics code is sufficient to achieve normative ethical behaviour in today's workplace.

About the Speaker

**Dr. Alexia Nalewaik**

President-elect



AACEi, California, USA

Dr. Alexia Nalewaik is President-Elect of AACE International, Immediate Past Chair and Research Chair of the International Cost Engineering Council (ICEC), and a former Governing Board Member of RICS Americas. She lives in Los Angeles, where she has her own consulting firm, focusing on project cost management, governance, audit, and organizational process QA/QC. Alexia has recently published her first book, "Project Performance Review: Capturing the Value of Audit, Oversight, and Compliance for Project Success".

M5: Benefits Management - Benefits are for Life not just the Business Case

The presentation 'Benefits are for Life not just the Business Case' will take stock of the current efficacy of Benefits Management, explore the barriers to a more effective and embedded Benefits Management and discuss strategies, techniques and approaches for overcoming these barriers, based on lessons and experience from a range of public and private sector projects and programmes. The range of projects and programmes can be diverse: from an office move to a whole organisational transformation; from delivery of a new product line to the design and build of a nuclear submarine; from implementing a new software tool through to changing the whole business model to exploit the digital revolution. However, these projects and programmes have one in thing in common – the need to realise demonstrable benefits to their stakeholders. Even a legislative compliance project has to realise benefits; which may be as simple as the avoidance of litigation.

Detailed Agenda

The purpose of a project or programme is to deliver advantages to the stakeholders involved; this is the definition of a benefit. If these projects and programmes sit within a broader portfolio, then the purpose of that portfolio is to ensure that the projects and programmes remain aligned to strategic objectives and realise their intended benefits.

Despite this central purpose of projects and programmes to realise benefits, the discipline of Benefits Management by contrast seems to have struggled to become as embedded as it should in the through-life decision making and day-to-day monitoring and control of projects and programmes. All too often, work on Benefits Management is confined to the business case and used to 'justify' the project or programme being proposed rather than being used proactively to shape its scope and design, manage change and verify and validate that the planned benefits will be realised.

Given the rapidly changing context many of us face today, the link between the original approved scope of a project or programme and the benefits this realises to the stakeholders can quickly become misaligned if not managed proactively. Agile principles and techniques can help mitigate this, but only if informed by an up-to-date view of benefits validated with stakeholders. It is therefore 'necessary but not sufficient' to monitor and control projects and programmes in terms of time, cost and scope; we must do this at least as rigorously for Benefits as well.

About the Speaker



David Liversidge

Principal Consultant
BMT Hi-Q Sigma, UK

With over 25 years of 'hands on' delivery experience in the Defence and Energy sectors, David is an experienced programme manager and systems engineer with a proven track record in successfully delivering complex projects and programmes both technical and business change. David is a chartered professional engineer and a full member of the Association for Project Management (MAPM). His experience of Systems Engineering and Programme Management has shown him how these two disciplines combine to produce a powerful basis for tackling the delivery of complex, technically driven change programmes at all stages in the life cycle.

David first got involved in Benefits Management in 2000 as part of the MOD's Smart Acquisition change programme where he helped develop a benefits tracking process and tool for the newly formed Defence Logistics Organisation (DLO). David has put Benefits Realisation Management at the heart of a number of programmes he has been responsible for, including the Land Environment Tactical Communications and Information Systems programme, the System of Systems Approach (SOSA) programme, Maritime Combat Systems Convergence programme and the EDF

Carbon Deposition programme.

David lives in Bath with his wife and two boys. David is a keen runner and walker.

M6: Planning and Project Controls under NEC4 – the choice isn't yours!

This session will identify the new elements that you need to understand in terms of programme and change management within the newly launched suite of NEC4 contracts. The session will also consider running project controls alongside an NEC4 contract, addressing the necessity of earned value management, how integration of your controls data is paramount to achieve this and how outputs can drive the direction of management on your project.

About the Speaker



Glenn Hide

Director
GMH Planning Ltd.

Glenn Hide set up GMH Planning Ltd in 2006 which provides NEC specific training, consultancy and resources to the construction industry. Glenn has presented on aspects of the contract at various national conferences, and had published a number of articles for the ICE Procurement, Management and Law publication and the NEC user-group newsletter. Provides training to most of the large Client/Contractor organisations in the UK construction industry.

Having exclusively used the NEC form of contracts for the past 20 years, he offers insight and practical advice on how users within the industry should understand and maximise the effectiveness of the contract on their projects/businesses.

Founder/owner of NEC People LinkedIn group which is the largest and most successful discussion forum around NEC contracts. Also manages Reachback – the largest Q&A portal for users to ask NEC related questions.

About the Speaker

**Hezron Ricketts**

Senior Manager,
Senior Counsel to the Board



Th3rd Curve, UK

Hezron is a project controls consultant with 15 years' of experience delivering planning and controls across many projects and programmes spanning several industries. In his recent role at HS2 as planning manager for 3 years he has grown the capability of the programmes central planning function and helped to shape the processes and procedures taking best practice from across industry for the programme.

He puts a strong emphasis in effective behaviours and collaboration in tandem with best practice technical skills to provide project and programme controls at its most effective and valuable to organisations and projects he works with. These have included Major station modernisations and refurbishments at Brixton, Kings Cross and Bank, Early design and enabling works followed by delivery in construction for the London 2012 Olympics with organisations such as TfL, KBR, Atkins, Mace, and now Th3rd Curve, UK.

M7: Optimising Portfolios and Programmes in an ever changing world

To be successful, organisations must continually evolve to the changing world and delivery environment. A key part of this is to continually assess and adjust investments across the programmes and portfolios to ensure that money spent results in outcomes and benefits that are aligned to the business objectives, and that the projects progressed are the **right projects at the right time**.

Programme and Portfolio Optimisation is a set of tools and processes to **support management decisions** on project selection and capital allocation.

Traditional investment appraisal methods assess projects for value for money or NPV to inform a Go / no-Go decision. Typically, these look at projects in isolation and tend not to consider non-financial benefits or alignment to strategic objectives effectively. Portfolio Optimisation provides a model against which **financial and non-financial benefits** are assessed and optimised **across the portfolio** and **within the constraints** of the business, be they capital, cash flow, risk, resource etc.

The Optimisation method applies a mathematical algorithm to the portfolio model, ensuring the **optimal portfolio mix of projects to maximise benefits and outcomes, aligned to strategic objectives**.

About the Speaker

**Matthew Ward-Close**

Senior Manager



PwC, UK

Matthew Ward-Close is a Chartered Mechanical Engineer with over 10 years' experience in Portfolio, Programme and Project management and consultancy. Matthew has worked on numerous £multi-billion programmes and portfolios in transport and infrastructure, in UK, Europe, Africa and the Middle East.

Matthew focuses on portfolio planning and optimisation, helping clients to maximise the benefits and establish the right mix of projects in the portfolio, aligned to strategy. This ranges from portfolio cost reduction initiatives, to implementing new portfolio planning systems and capital governance. Matthew uses advanced portfolio analytics to explore different scenarios and support management decisions on portfolio selection.

Matthew also has extensive experience in programme delivery and partnering roles with Investors, Owners and Delivery Agencies of infrastructure projects, working to establish and plan major infrastructure.

Detailed Agenda

Technology Zone @ Champions Suite

T1: Digital Transformation - Its impact on control and productivity

Digital transformation not merely the act of change has the ability to positively impact governance, control and productivity in Capital Projects, and deliver significant savings. Effective transformation would reduce the number of projects that still fail to deliver as highlighted in the current UK infrastructure annual report.

This session will highlight some of the area's key advisors supporting the UK infrastructure delivery process have identified and how transforming those across the industry will lead to enhanced productivity and project delivery, realising savings that can be re-invested into further projects that impact the UK community.

Like the advisors, we recognise organisations' need to transform to realise real, lasting productivity improvements. That thinking has driven our development of cloud-based capital projects solutions supporting collaboration, visibility, integration and efficiency throughout the project lifecycle.

Step changes and half measures haven't worked – it's time for true transformation to drive engineering and construction forward.

About the Speaker



Geoff Roberts

Industry Strategy Director
Oracle Construction and
Engineering, UK

Geoff Roberts is a Chartered Cost Engineer with more than 35 years' of experience in all aspects of project management and project controls. He has been with Oracle Construction and Engineering for 17 years and is currently Director, Strategy (Energy), providing strategic direction, domain expertise and insight around Asset Intensive industries and how they operate to both internal and external customers.

In addition he provides input into the solutions we deliver to our customers ensuring what we offer is best in class and able to support how these organisations deliver projects to time, cost, quality, safely from inception through to scope definition, FID approval, execution, operations and decommissioning. During his time at Oracle he has worked with many of the major Utilities and Oil, Gas and Petrochemical organisations across the globe.

T2: Integration is key to successful Project Controls

What are Project Controls you may ask yourself!
Project Controls is defined as...

... the data gathering, management and analytical processes used to predict, understand and constructively influence the time and cost outcomes of a project or program; through the communication of information in formats that assist effective management and decision making.

So, to achieve this, first we need the data. But what data? Where is it? How do we get access to it all and ensure that it is accurate and true?

Do you have tools that capture information such as cost, resources, time, budget, change, etc. and, if so, are they also able to provide the analysis and management reporting to make use of this information? Can you be sure of the integrity of such data?

In this session, David will discuss the current integration options, tools and approaches available, along with their pros and cons, and consider what data requirements the modern PMO has. He also will discuss and outline how integration, in the context of project controls, has evolved and how modern technologies are making integration a simpler objective to achieve, assisting the modern PMO to deliver and be successful.

About the Speaker



Dave is hugely experienced and acknowledged by Oracle as a leading UK expert in architecting, delivering and implementing Oracle Primavera EPPM product set solutions, including integrations with ERP systems and other third party toolsets, in a variety of industry sectors. Dave works for RPCuk, this year's Project Controls Expo's Platinum Sponsor.



David Hurren



Technical Director



RPCuk, UK

T3: The impact of Risk on the Five Immutable Principles of Project Success.

Recognized project management expert, Glen B. Alleman, has defined five principles that, combined, are the core variables that govern the success of any project. Focusing on these principles maximizes the probability of successful delivery. The power of quantitative risk analysis (QRA) overlaid on these principles adds another level of confidence to the planning, resourcing, and execution of complex projects. Safran has long pioneered the concept of democratisation of risk, and made QRA available to all levels of projects. In this presentation, Richard Wood will review Glen B. Alleman's five principles, and show how these principles are naturally complemented by easy to use and reliable risk analysis processes. In this way, the successful planning and delivery of all projects becomes a demonstrable science, available to all competent project planning personnel.

About the Speaker



Richard Wood has been designing and delivering efficiency improvements in asset management processes of all kinds for over 20 years. Currently working for Safran Software Solutions, Richard is responsible for global business development. Safran has pioneered a new breed of risk analysis software, and an approach that integrates risk analytics and risk thinking across a project intensive organisation.



Richard Wood



VP International Sales



Safran Software Solutions, UK

T4: Enterprise Projects Performance: Going Beyond Project Controls

With the release of EcoSys 8, Hexagon PPM introduces an expanded vision for managing the lifecycle of projects -- Enterprise Projects Performance. Going beyond project controls, this approach looks strategically across an organization spanning multiple programs, portfolios, or divisions -- with a mission to maximize investment returns.

In this session, we showcase the three products of the EcoSys Enterprise Projects Performance platform -- EcoSys Portfolios, EcoSys Projects and EcoSys Contracts -- and how their interaction creates unparalleled visibility. Attendees will see how improved enterprise projects performance is driven by:

- The alignment of strategic decision making with tactical, real-time project intelligence

Detailed Agenda

- Proper prioritization, selection, and management of project portfolios from inception through execution to close out;
- Controlling projects through standardization based on best practices;
- Real-time visibility into forecasts and trends, including drill-down into underlying causes.

About the Speaker



Mark White

Senior VP, Global Business Development
EcoSys, UK

Mark has a career spanning 28 years with a background in quantity surveying, project controls and product development. He spent most of his career with Faithful+Gould, a world leading project management and controls consultancy. Since 2012 he's been with EcoSys, now Hexagon PPM, in the role of sales executive, working directly with many large owner/operators and EPC firms across the globe.

Earlier this year Mark assumed global responsibility for the EcoSys product strategy and vision within Hexagon PPM's Global Business Development organization. He's currently working closely with customers and industry bodies to broaden the EcoSys platform across the entire portfolios, projects and contracts life cycles.

Mark enjoys helping companies develop strategies to mature their portfolio management, project controls, and contract management capabilities to help them achieve the ultimate goal of highly efficient predictability and control.

T5: The Future of Project Controls: Improve project performance using Big Data

As the technology advances and today's projects get more complex, large cost overruns become inevitable due to:

- Frequent miscommunication between project management, cost engineers, planning and project controls
- Insufficient details within the scope changes
- Inaccurate contract strategies where contractors become reluctant to share information regarding hours, costs and metrics

As a result, project controls lacks the feedback of metrics, KPIs, and productivity, thus the changes of progress and scope can't be sufficiently implemented into the forecast. This makes it particularly difficult to improve the future estimates.

In this presentation, Martin will demonstrate how these challenges can be managed by an integrated approach using today's tools and techniques. Martin will show how organizations can capture valuable project information before and during the execution phase and apply big data analytics and project benchmarking to improve the performance of their next projects.

About the Speaker



Martin Van Vliet

Business Director
Cost Engineering BV, Netherlands

Martin is the Business Director and the member of the board of Cost Engineering Consultancy. Having over 17 years' of experience in consulting major companies to improve their project performance, Martin also offers his insight in Cost Engineering Academy as a lecturer.

Throughout his career, Martin has provided consultancy services to companies in several industries including infrastructure, construction, new energy, oil & gas, petrochemical, power, mining & minerals, chemicals, and pharmaceutical. Furthermore, he is a frequent speaker at industry events, presenting on the need for an integrated project controls approach to improve project performance of the businesses.

Martin is also a member of NAP/DACE, AACEI, ICEC, and AcostE.

T6: ARES Prism - Integrating Project & Portfolio Management

How PRISM's suite of integrated tools is helping deliver £200B worth of scope in the UK by providing the ability to merge all aspects of project and portfolio data into a single source of truth for tracking, managing and reporting on project cost, progress, and performance. PRISM functionality covers the entire lifecycle of your projects; from estimate baseline through to project delivery; all the while establishing common coding structures, promoting earned value best practices, and establishing effective change so that you have accurate data and the necessary tools to control your projects and deliver them both on time and within budget.

About the Speaker



Lateef Daly



Director of Operations, Europe & Middle East



ARES Prism, UK

Lateef Daly is the Director of Europe & Middle East Operations for ARES Software UK and operates primarily out of their regional headquarters in London's Canary Wharf business district. From there, he oversees the business unit's strategy and business development efforts for both regions, ensuring that ARES PRISM continues growing its presence as the industry-standard for project controls software.

His background brings with it over 18 years' of project controls, system integration, and program transformation experience. He also brings a breadth of knowledge spanning across multiple industries, from his start spending 6 years working in Pharmaceuticals for Bristol-Myers Squibb. Followed by 8 years working for Bechtel providing a combination of cost engineering, estimating, and earned value cost system implementations in programme locations throughout 7 different states in the US and 3 different countries. While working with Bechtel, he was involved in projects such as the Reagan Test Site in the Marshall Islands, GMD Missile Defence Programme, Hanford Waste Treatment Plant, Los Alamos National Labs, and various others as part of their Central Programme Controls and Estimating team based in their Frederick, Maryland headquarters.

Since joining ARES in 2011 he has been involved in PRISM implementations and programme transformations projects for some of Europe and the Middle East's largest programmes, including High Speed 2 (HS2), Crossrail, TFL / LU, Horizon and Expo 2020 in Dubai. He has helped to drive 100% annual growth across both regions and has played an integral role in growing the London-based office to have a client base that has several hundred users and over £170B worth of scope being successfully managed and delivered through PRISM.

T7: Enterprise Project Management Solutions - Install and train, job done?

Many organisations are seeing the potential benefits of implementing common planning tools and are charmed by the potential of having dashboards and common reports – especially with cloud computing being very much on the agenda. However, what an IT organisation may see simply as 'deployment' must be backed up with related business change - if full benefits are to be realised.

David Dunning, Chairman and a founding director at CPS explains in this session, the simple approach to a smooth and fruitful EPM implementation. David will outline what to plan for and suggest resources you might need in the short term to make it stick.

About the Speaker



David Dunning



Chairman



CPS, UK

David Dunning is a founding director at CPS & edison365. He originated the professional services delivery organisation and has maintained relationships with many of the most significant CPS customers over the last decade. He is an APMG Registered Consultant, a Certified Management Consultant. While being Chairman of the CPS Board, David continues to work with customers on a strategic level to understand problems and envision people, process, technology and organisational solutions.

Case Studies Zone @ Dial Square Suite

C1: Enterprise Scheduling and Risk Management at Los Angeles Metro

Los Angeles Metro has the second largest public transportation system in the United States and services 1,433 square miles in Los Angeles County. Recent sales tax initiatives have committed \$160 billion into transportation upgrades in preparation for the 2028 Olympics. These initiatives represent the largest transportation infrastructure program in the United States and the largest investment in Los Angeles County infrastructure since the 1980's.

In this presentation, you will learn more about the infrastructure program and how Los Angeles Metro is leveraging enterprise scheduling and risk management innovation. Enterprise scheduling is implemented to provide project, portfolio and program level performance information for executives and constituents. A centralized solution for tracking transit project risks is also implemented to monitor and mitigate program risks.

About the Speaker



Julie Owen



DEO Program Management



LA Metro, Los Angeles, USA

Julie Owen, PSP, CCP has twenty five years' of experience in program and project management, program and project control, cost engineering, scheduling, contract administration and schedule delay claim analysis. She works as Deputy Executive Officer for Los Angeles Metro managing the \$160 billion over 50 year initiative to improve Los Angeles County transportation infrastructure. She manages a program/project control team of eleven team members serving the highway, regional rail, transit, and small transit capital repair programs. She served as Project Manager for the design and implementation of the enterprise wide business management system for capital program management.

She worked her way up the management ladder holding positions such as deputy executive officer, director, project manager, assistant project manager, project engineer, construction manager, supervisor, scheduler, cost engineer and intern engineer. Julie has worked on all sides of the table including owner, contractor, and construction manager and across multiple firms and industries including Los Angeles

Metro, NASA's Jet Propulsion Laboratory, McCarthy Building Companies, J.F. Shea Construction, Arcadis, and Parsons.

She currently serves as Administrative Vice Chair on the International Cost Engineering Council, is a Past President of AACE International and Guild of Project Controls Fellow in both Cost Management and Planning and Scheduling. She holds AACE International certifications for Planning and Scheduling Professional (PSP) and Certified Cost Professional (CCP).

C2: Company Project Controls Transformation (Tata Steel UK / Faithful + Gould)

Tata Steel UK recognised that their application of project controls was not at the level they needed to successfully delivery their capital programme to cost and time. This lead them to look to the project controls market to seek a partner to help them move to a fit-for-purpose state where industry best practise could be implemented within their Company.

The presentation will outline the journey from the assessment of the current state within project controls; the transformation plan; the implementation of the transformation plan; into delivery phase working with the best practice ways of working.

About the Speaker



Rod Whiting



Regional Director



Faithful+Gould, UK

Rod Whiting is a Chartered Quantity Surveyor, Fellow and elected council member of the Association of Cost Engineers and holds a BSC (Hons) – Quantity Surveying. Rod is a regional director in Faithful+Gould's Bristol office and is Head of Project Controls in the South West. Rod has over 30 years' experience working in Project Controls across a number of industries, including chemical, pharmaceutical, nuclear and heavy manufacturing, including assisting companies in introducing and delivering best practice to support the safe delivery of projects to cost and time.

About the Speaker

**Christian Burge**

Head of Project Controls



Tata Steel Strip, UK

Christian Burge holds a BEng (Hons) - Materials Science & Engineering. He has continued his Post Graduate Study whilst working in Industry – again in the Field of Materials Engineering. Christian also holds an APM Qualification (Project Fundamentals PFQ) and is working towards CEng Status with the IOM3. He has 10 years' Heavy Industry experience in the Steelmaking Sector predominantly in Project Engineering – undertaking lead roles across the Project Life Cycle to support the safe delivery of Engineering CapEx Schemes. Christian was asked in Sept 16 to head the Implementation of Project Controls across TSUK and more recently has also been appointed as the CapEx Portfolio Manager.

C3: Programmatic Controls Approach to; Fast track Disaster Recovery

When disaster events strike, the institutionalised methods of delivering recovery are stretched to a breaking point. Traditional PERT/ CPM methods are too slow and more emergent, flexible and dynamic methods are required.

Our case study examines the Infrastructure recovery Programme, after the Dec 2015 floods in Cumbria. The case study will be delivered as a first hand experience, with practical insights on what worked and the made the biggest difference.

It will be an interactive session with specific focus on the broader controls approach required for delivering successful and stable recovery and it's migration to traditional methods over time.

About the Speaker

**Saurabh Bhandari**

Technical Principal, Project & Programme Controls



Mott MacDonald, UK

Project Director with 16+ years of construction and design management experience in major public and private infrastructure projects in UK, Australia, and MESA. As a front-end delivery practitioner, he is passionate about increasing the role of the controls profession within project and programme management disciplines; and can be often found in office corridors delivering sermons on implementing the right kind of controls.

Saurabh is also the author of Mott MacDonald's Controls service practice standard 'Pathfinder PACE', and provides expert guidance to Clients for towards implementing, and optimising Integrated Control approaches that make projects and Programs succeed. He has led and participated in delivery of many award-winning projects; including Cumbria Infrastructure Recovery Programme, Cleveland Clinic Abu Dhabi, Stoke BSF, Heathrow Airport and ascribes his team's success to taking care of the minutiae and always having a plan B.

C4: A Source of Project Cost Integration

Faithful+Gould, a member of the SNC-Lavalin Group, delivers project and programme management consultancy across the world. These core services are greatly enhanced by harnessing technology to integrate a wide range of technical functions, including Project Management, Project Controls, Cost, Asset and Commercial management.

In this case study, Faithful+Gould will explain how working with Subject Matter Experts, RPCuk, technology is deployed to facilitate the delivery of integrated services which included Project Controls, Portfolio Management and Cost Integ -ration. This solution has been designed and a Proof Of Concept delivered for a leading academic institution in the UK.




Through the proper integration of products and technology we maintain proper governance of our data whilst increasing

Detailed Agenda

the access and exposure to information critical to the success of our project. This presentation, demonstrated by RPCuk, will highlight one particular component, the integration of cost data and how we brought together data from multiple systems used to manage budget, expenditure, resources and schedule and provided the visibility of the true cost of the project, from funding and budget through to expenditure, cost of change and forecasts.

About the Speaker






 **David Hurren**
 Technical Director
 RPCuk, UK

Dave is hugely experienced and acknowledged by Oracle as a leading UK expert in architecting, delivering and implementing Oracle Primavera EPPM product set solutions, including integrations with ERP systems and other third party toolsets, in a variety of industry sectors. Dave works for RPCuk, this year's Project Controls Expo Platinum Sponsor.

About the Speaker



 **Marie Trembacki**
 Associate Director
 Faithful+Gould, UK

Marie Trembacki is an Associate Director in Faithful+Gould's Birmingham office and the UK & Europe Business Lead for our Project and Programme Management Consulting (PPMC) service. This niche service focuses entirely on helping property clients enhance capital programme delivery through improving project management organisation, processes and tools. Marie's niche experience in managing this service in the UK and previously for Faithful+Gould's North America business provides a global viewpoint. The service focuses on driving improvements, managing the early strategic stages through to implementation and aftercare. This includes the implementation of new project and programme management systems, focusing largely on stakeholder and change management to enable successful transition to new ways of working.

C5: National Grid Project Controls Journey – past, present and future

A Project Controls function was established in National Grid five years ago and is on a continuous improvement journey. This talk will focus on the past, present and future of Project Controls in National Grid with the aim of stimulating your thoughts and ideas for the journey in your company.

PAST:

The team will discuss the needs case for introducing project controls, the challenges encountered and how these were overcome to establish the foundations of Project Control.

PRESENT:

How we are developing the function by building on the foundations established and introducing a governance framework around the controls mechanism to drive performance and continually improve the service offered to the business. In short how we showed the value of robust controls and governance to the business, hence giving you ideas on the business case for deploying controls in your company.

FUTURE:

To conclude the talk, we will have the opportunity to hear from three of our Project Management apprentices. Our apprentices have spent 2 years in our Project Controls department, gaining experience across a range of disciplines.

They will explore their individual journey, why they chose a career in project controls and what the next generation expects from their career. They will touch on experience to date, drawing on the benefits that a structured development programme has brought to both them and National Grid.

They will also provide an insight into the changing power industry, the changes they have observed in Project Controls and the technology that is shaping the future of our profession.

About the Speaker



Tim Fenemore



Head of Project Controls
National Grid, UK

Tim is Head of Project Controls at National Grid where he leads a team who support control of the £1bn per annum Electricity and Gas capital investment programme across the UK.

Over the past 35 years he has progressed from an apprentice engineer at Rolls-Royce Aero-engines to leadership positions in a variety of projects, programmes and businesses. He has experience stretching across a range of sectors including HS2 (as Director of the Integrated Programme Management Office), Progress Rail Services UK (Managing Director of the largest producer of rail points systems in the UK), Lend Lease Construction (Head of Project Planning & Head of Operations), Network Rail (Programme Manager) and Marconi Telecommunications (Vice President of Process Definition & Improvement).

He is also passionate about helping a community in Burundi (Africa), having founded and run 'Stand Up & Build Project' – a charity which has successfully supported building of the first technical school since the civil war.

About the Speaker



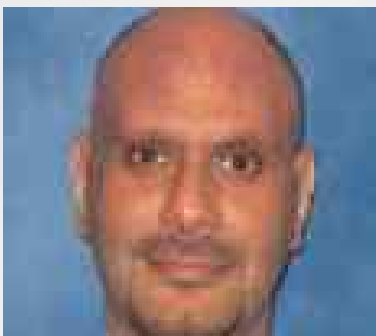
Sanjay Lodhia



Head of Governance & Assurance
National Grid, UK

Sanjay is a civil engineer with over 25 years' experience in both public and private sector environments within client and contractor roles. His commercial, contract and project controls experience enable him to lead the Governance & Assurance function in National Grid's project controls department where he manages Capital Delivery's workbook, risk & compliance and change control teams. He has rapidly implemented a new governance and assurance framework which is now used to monitor delivery performance, provides insight into any delivery issues and also enable transparent reporting from field teams across the UK all the way to the executive team.

About the Speaker



Tony Abiad



Head of Estimating & Cost
National Grid, UK

Originally graduating as a Civil Engineer Tony has over 25 years' experience in the Utilities industry from both an operational and managerial aspect. He moved into business development and estimating and created a rapidly expanding contracts department. For the last 12 years Tony has fulfilled the role of Head of Estimating for several large utilities contractors.

Since joining National Grid where he is the Head of Estimating and Cost Department, the team has become the trusted source of all cost estimates within Capital Delivery where it provides support to the wider business including, tender negotiations, cost analysis, benchmarking and reporting and the Regulation team.

Detailed Agenda

C6: A review of whether interdependency exists in effective Project Control Methods and project performance

The session will include a presentation of case studies demonstrating the challenges faced and lessons learnt when implementing project control systems as well as some qualified examples of applied systems, or lack of systems and how this may affect performance and efficiency of a Project.

About the Speaker



Michael Halliday



Director



HKA, UK

Mike (BSc, Msc MCIInstCES, ACI Arb AACEi) has 21 years' experience in quantity surveying and commercial management.

Having worked for over 15 years within the UK and mainland Europe as a commercial manager on both civil engineering and process engineering related projects, he moved into consulting in 2008 where he now specialises in the preparation and defense of construction claims. Mike has also provided assistance on various Quantum Expert appointments.

Mike is President for the UK region of the AACEi and a Review Examiner for the Chartered Institute of Civil Engineering Surveyors.

C7: The rise of the “gigaproject”: from mega to giga and why it matters

We're witnessing an explosion of projects which move beyond the traditional notion of the megaproject. With smart cities, LNG operations, national infrastructure programmes and even the Olympics we're seeing an ever-increasing level of complexity, risk and capital being deployed to achieve broad social, political and environmental goals. We're now firmly in the age of the “gigaproject”.

Join this session to better understand the drivers behind gigaprojects, the challenges they present and the ways in which companies at the vanguard of project controls are successfully addressing them. Through a combination of primary and secondary project management research to the latest studies on cognitive biases we'll provide a sweeping framework for better managing projects of all sizes.

About the Speaker



Guy Barlow



Global Commercial Director-
Connected Cost



Aconex, Phoenix, USA

As the Global Commercial Director for Connected Cost, Aconex's project controls and cost management solution, Guy Barlow is responsible for the overall success of the solution including product, sales, services and marketing.

Prior to joining Aconex, he was Oracle Primavera's Director of Industry Strategy, leading the global go-to market strategy across the energy, engineering & construction and public sector industries.

He has more than 20 years' of industry experience working with and marketing to global enterprises. Prior to Aconex and Oracle, Guy worked at BearingPoint (KPMG Consulting), IBM Software, IBM Management Consulting, and PwC.

Megaprojects Zone @ M Club

P1: Governance and Assurance for Nationally Significant Infrastructure Projects

In her presentation, Terri will introduce Highways England and how the projects she sponsors fit in. She will give a brief overview of each project before talking about the governance and assurance challenges involved in such significant government funded infrastructure schemes. The presentation will cover seeking the authorities required to undertake the work at pace in a highly regulated environment; contract structures and management and her approach to dealing with a multitude of stakeholders.

About the Speaker



Terri Harrington

 Sponsorship Director - Complex Infrastructure Programme (CIP)
 Highways England, UK

Terri Harrington, who is a visiting Professor at Manchester University, is currently the Sponsorship Director for the Complex Infrastructure Programme, part of Highways England Major Project Portfolio and the sponsor for the three £multi bn projects that currently form the programme. Terri is also the Project Leader for Project X which is a collaboration between government, industry, the profession and project practitioners to produce high quality evidence based research (www.bettergovprojects.com).

Following a varied and interesting career that has taken her from being a Tax Inspector; to delivering Major Projects in a number of Government Departments; to leading on creating Insight from Major Project Data in the Infrastructure & Projects Authority, Terri joined Highways England in her current role in May of this year.



P2: Adding Value through the Lower Thames Crossing project

How do we add value – both within a project environment as we initiate, develop, deliver and close out projects and in transitioning their outputs into beneficial use? Iain will provide an insight into how the Lower Thames Crossing project is seeking to add value as a project and as individuals.

About the Speaker



Iain Minns

 Partner, UK Head of Programme & Project Controls
 Arcadis, UK

Iain joined Arcadis in September 2015 as UK Head of Programme and Project Controls; he is accountable for the people, processes, systems and tools for programme and project controls for Arcadis in the UK; he also leads the Arcadis global community, which shares knowledge and good practice around the business. Prior to that Iain spent two years working at an MoD establishment, transforming the programme and project controls function for the capital investment programme, and before that spent ten years at Heathrow Airport on a variety of programmes including Terminal 2A, Baggage, Olympics Readiness, Design & Development and Terminal 1 Redevelopment. His early career was spent in aviation at Gatwick and then Heathrow in operational management with airlines and then the airport.

Iain is passionate about programme and project controls, and on a quest to figure out how to share knowledge and information so that we can give something back to the industry and the generations to follow. He also has a keen interest in asset lifecycles and whole lifecycle costs.

Detailed Agenda

P3: Tideway – Transforming the Thames

A new “super sewer” for London, known as Tideway is now underway. It will be constructed by Tideway but is privately financed by a consortium called Bazalgette Tunnel Limited, in conjunction with the delivery partner CH2M. The 26km tunnel will not only improve the environment, ecology, public health, appearance and reputation of London, but it will also give a much-needed and immediate economic boost by creating thousands of skilled jobs and hundreds of apprenticeships. The project has a budget of £4.2 billion. The presentation will describe:

- A case for change - an overview of The Tideway Programme
- Innovative delivery models and private financing
- Challenges of complex engineering projects in busy cities
- Staying in control - the importance of Project Controls

About the Speaker



Niall Faris



Project Controls Lead
Tideway, UK

Niall Faris is a Project Controls Leader with experience on large infrastructure and civil engineering programmes. He is currently working on a mega-programme in London – Thames Tideway, a 25km tunneling project to prevent the pollution of the Thames and to support London's growing population. Niall has previously worked in the Financial Services, IT, Transport, Consulting and Water sectors. Niall was awarded the Insight Industry Innovation Award in Washington last year for his work on Tideway.

P4: Governance and the art of decision making on Crossrail

Crossrail is widely regarded as an exemplar in the world of programme management. But what makes this the case? Walter has been on Crossrail for over 8 years and has a unique insight into how the programme is run, what drives decision making, how the organisation challenges itself and how, with only a year left (at the time of the Expo Conference) to opening the main central section to the general public, Crossrail is positioned to deliver on its promises to London.

About the Speaker



Walter Macharg



Head of Change Control
and Cost Assurance
Crossrail, UK

Qualified as Chartered Accountant with a big four firm, then Group Financial Controller for a property and financial services listed PLC. This was followed by ten years as a financial controller in Network Rail, for the Major Stations operation, and latterly for railway construction projects including the King's Cross Station and Thameslink upgrades. Previously Crossrail's Head of Financial Control, he moved into Crossrail Programme Controls in 2012, where he established the cost assurance function under the NEC3 contracts, and leads the Programme change process, which controls the high level scope and requirements, and manages delivery budgets.

His specialism is the interface between financial controls and project controls in the support of major project delivery throughout the project lifecycle.

P5: Governance: An Enabler?

Danny Vaughan, Head of Metrolink for Transport for Greater Manchester and Ian Beaumont, Programme Director at WSP, discuss the governance conundrum, on Mega projects such as Metrolink's £2bn expansion programme, is governance an enabler, or a hindrance to progress? Hear from both the client and Delivery Partner about how complex project governance is handled to best effect on this, and other projects.

About the Speaker



Ian Beaumont

Delivery Partner Programme Director
WSP, UK

Ian is WSP's Delivery Partner Programme Director for the £2bn Metrolink programme. He has 29 years' experience in the Construction, and Civil Engineering Industries, spanning, infrastructure, heavy civil engineering, education, power, rail, commercial, health care, residential, power generation, dredging, marine works, jetty and wharf construction, bridge construction and highways sectors. Ian has worked on some flagship Major and Mega projects both domestically and internationally, and has worked contractor and client side, as strategic execution partner and currently as a director of a major global construction, project management and engineering consultancy.

Ian is a member of the Association for Project Management, a Chartered Builder and a Chartered Construction Manager.

About the Speaker



Danny Vaughan

Head of Metrolink
TfGM, UK

Danny is an expert in Light Rail Engineering, Asset Management and Operations. He has worked on projects in Australia, Ireland and the UK in consulting, public sector and private sector organisations.

While primarily focussed on delivering excellence in Operations, Maintenance and Customer Service, Danny has spent most of his career introducing new light rail and tram infrastructure into passenger service.

Danny has spent the last 4 years in TfGM leading the Metrolink operation through a significant phase of expansion and transformation. He has assumed the role of "Head of Metrolink", taking over from Peter Cushing, who retired earlier this year.

He oversaw changes in Metrolink such as the introduction of a new Operator in 2017 and is instrumental in bringing into service of the new Trafford Park Line in 2020. Danny takes an active part in leading industry bodies such as the UITP Light Rail Committee and UK Tram.

P6: Project Control Staff – Make or Buy?

CH2M supports many of the world's major Projects and Programs. We need to recruit and retain senior Project Control staff with senior experience, provide varied and interesting work and look to grow potential from within the many CH2M disciplines. What makes someone good at leading controls on a large scale and complex endeavour?

- Those we recruit come with significant cross industry experience providing them bread and used to working with different client styles but need time to learn the CH2M 'way'
- Staff already working for us are well versed in CH2M's employee owned and ethic based ethos but need regular re-challenging to encourage them to stay
- Existing staff (usually engineers) grown into Project Control profession provide a great resource to cope with expansion and further encourage retention but all development takes investment.

No single approach is without its limitations and all are subject to the greatest limiting factor, 'geography'; projects

Detailed Agenda

happen where they need to and staff have to be encouraged to be flexible with their working location. And then there is the question of qualifications; how do you demonstrate a candidate's capability, when the single greatest skill required is communication...

Mike has a view, coloured by his experience, but will be inviting those attending to join the conversation.

About the Speaker



Mike Laws

 Project Controls Manager

 CH2M, UK

Mike Laws has just completed two and a half years supporting the Crossrail Programme as Head of Reporting and Head of Programme Efficiency. Prior to this, Mike spent 14 years working for the Ministry of Defence, where he qualified as a Chartered Accountant, completed a MBA and undertook a number of policy, strategy and delivery roles.

P7: Next Generation Planning for Mega Projects

Planning a megaproject can be a project unto itself. In this environment, project and engineering knowledge is disseminated amongst many team members. It takes significant time to translate that knowledge into a schedule. To further complicate the process, plan development and risk identification is iterative; as more information becomes available, the plan changes. Those characteristics make the planning process extremely time consuming and all too often we miss the mark in the capture and iterative improvements which leads to a poorly developed plan. BASIS is designed to build better plans, faster. Join us to learn how BASIS delivers interactive schedule development and provides a knowledge-driven, consensus-based plan.

About the Speaker



Dr. Dan Patterson

 CEO and Founder

 Basis PM, Texas, USA

Globally recognized project analytics thought leader and software entrepreneur. With 20+ years of experience & several highly successful Project Management software companies under his belt, Dan has a unique combination of solution innovation combined with extensive project management experience including advanced scheduling, risk management, project analytics & artificial intelligence. The culmination of this experience has lead Dan to create a new company, BASIS, focused on taking an evolutionary step forward in planning.

Dan drives a reputation for making complex business challenges simple and this is reflected in his passion for software usability and innovation. Dan was recently awarded Project Management Innovation of the Year. Prior to BASIS, Dan founded Acumen which was acquired by Deltek in 2013. Acumen achieved a high ranking on the Inc 500 Fastest Growing Companies list as well as being recognized as one of Austin, TX's fastest growing companies.

Back to Basics Zone @Woolwich Suite

B1: What makes a good plan, and how do you know you've got one?

We live in a world of exciting new ideas and technologies that promise to revolutionise the way we work in the future. In fact, it could be argued that this is a continuation of recent trends – remember that 30 years ago planning software was in its infancy, and only available to the largest organisations. In this world of rapid change, it's important to keep abreast of the changing possibilities that technology allows. But it's also important not to lose sight of the basic principles of what we do and why we do it. This talk will focus on these areas and propose some golden rules for the basics of planning, and discuss how we ensure that our organisations deliver good practice in the areas of planning and project control.


The talk will probably be structured, (I'm a Project Controller!) and if so will run as follows:



- Define what planning is
- Define what control is
- Discuss the similarities and connections between them
- Define why we plan and why we control
- The Golden rules or "Must Do's"
- Ask and answer: how do we know we are doing it well?

Along the way there will be quotes from great authors, leaders and business thinkers to illustrate the points made. And a recommended reading list.

About the Speaker



 **Paul Kidston**

 Director of Project Controls
 Costain Group PLC, UK

Paul Kidston is currently the Project Controls Director for Costain. He has spent the last 15 years in leadership roles in the field of project controls and planning. Prior to that Paul was a Project Manager and has worked on many iconic construction projects including the rebuilding of the Tottenham Court Road Station, Crossrail, Smithfield Market and Paddington Station. Paul is the lead author of the APM's best selling book, "Planning, Scheduling, Monitoring and Control" published in 2015.

B2: Economic Value Chains – costing the impact of risk

Unmitigated disruptive events have potentially catastrophic effects on businesses. An example is Cybercrime, which is increasing at an alarming rate and frequently makes headlines in the press. Even where the aim of a cyber-attack is not economic, the project delays, cost of recovering capability and loss of reputation from such attacks can cripple organisations. Many organisations do not understand the full scope and scale of potential recovery costs which makes it difficult to justify decisions relating to investment in cyber defences or improved project controls. Using a theoretical example, the speakers will describe how QinetiQ's Economic Value Chains (EVC) approach can be used to understand and quantify the true scale and nature of potential costs and consequences to projects and businesses from disruption – cyber or otherwise, deliberate or accidental. The presentation will then consider how the cost-benefit (or unintended detriment) of technical, procedural or personnel changes can be assessed.

Detailed Agenda

About the Speaker



Colin Sandall



Senior Consultant



QinetiQ, UK

Colin is an Operational Analyst with over 25 years' experience in Defence, with DRA, DERA, Dstl and QinetiQ. Colin's costing experience includes cost-benefit analysis for the Future Strategic Tanker Aircraft (FSTA), Joint Combat Aircraft, Joint Operational Fuel System, Typhoon, Storm Shadow and the Army Recruiting Partnering Project. Other experience includes work for the Royal Navy, Royal Air Force, Army, US DOD and the Canadian Coastguard.

Colin was, for two years, the lead software engineer for the US Operating and Support Cost Analysis Model (OSCAM) models and delivered OSCAM training courses to the US DoD, US Coastguard and Industry in Washington DC and Southern Maryland.

About the Speaker



Peter Tart



Senior Consultant



QinetiQ, UK

Peter is a senior consultant with a proven record of providing excellent decision support. He has 20 years' experience in operational research and statistical analysis, gained primarily within the defence industry. Peter specialises in benefits analysis, soft-OA techniques and MOD business cases. Peter's knowledge includes Balance of Investment (BoI) and option assessment methods (including Multi-Criteria Decision Analysis and Data Envelopment Analysis), as well as development of bespoke cost capability trade methods.

Peter lead the Operating and Support Cost Analysis Model (OSCAM) development and training team, delivering model enhancements to the US DoD for Ship and Air cost models. Peter has delivered numerous high quality OSCAM training courses to the US DoD, US Coastguard and Industry in Washington DC and Southern Maryland.

B3: Managing the risk of change

No change comes without risk. In any leadership of change, risk is present:

- Risk may prevent the the promised benefits from being realised.
- Risk may add unanticipated costs, delays or other problems.
- Risk may prevent the change from being accepted by the wider organisation.

In planning and carrying out any change initiative, risk needs to be assessed, analysed and well managed. As the leader / driver of the initiative, the project manager needs to ensure the change process is planned and executed with full awareness of the risk it faces.

In this presentation, Simon will demonstrate a practical and transparent approach to risk assessment, analysis and management, that allows risk to be usefully described and incorporated in the change process to increase awareness and ensure achievable benefits, costs and timescales.

Simon's presentation will use interactive real-world examples to help break down the "black-box" image of risk assessment and analysis, and help demystify the underlying concepts such as probability, impact, exposure, three-point estimate, and P90.

Simon builds on over 20 years' experience of helping organisations to understand and manage risk, and his customers (especially the non-mathematicians within their teams) appreciate the transparency of his approach and use it to increase their chance of success.

About the Speaker



Simon White



Risk Management Consultant
Trigo White Ltd., UK

Simon is a risk management consultant with over 20 years' experience in helping organisations to understand and manage risk to their projects' schedule and cost.

He has worked in a wide variety of industries and major projects, and spent two years as UK Risk Analyst for ConocoPhillips, before which he was Senior Consultant and trainer for Pertmaster, Primavera and Oracle.

Simon is recognised as one of the leading practitioners of risk management and analysis, and strives for clarity and pragmatism in his work. He uses methods that allow probabilistic models to be interrogated and understood by project teams and senior management, which helps ensure that risk assessments are reasonable representations of reality, and that they add value by setting and justifying reasonable expectation and positive management action.

Simon has also designed and built commercial risk software (including as a contributing architect to Primavera Risk Analysis / Pertmaster), and continues to develop tools for more practical valuable project and business risk management.

B4: NEC4: Evolution of the ECC

An overview of the Engineering Construction Contract's evolution from NEC3 to NEC4. An opportunity to ask questions about changes and additions across the NEC4 family of contracts.

- Changes in the language used
- New initiatives - value engineering percentage, treated acceptance for programme etc.
- Simplification and clarification
- How typical z-clauses have shaped NEC4

About the Speaker



Ben Walker



NEC4 Contract Drafter, CEO
CEMAR, UK

Ben has 16 years' experience working within the construction industry and is a member of the Institution of Civil Engineers. He has managed a variety of construction and maintenance contracts. In 2005 Ben founded the cloud-based CEMAR system, currently administering over £60 billion of the UK's strategic infrastructure programmes.

Ben is a member of the NEC4 drafting team. He has lectured extensively on NEC since 2008 as a tutor for Thomas Telford Limited. Since 2012 Ben has worked as an examiner for the ICE Law and Contract Management Examinations.

B5: Navigating BIM waters

The construction industry is flooded by the word BIM. What does it mean, what does it entail, and more importantly – is it relevant to you?


After setting out what Building Information Modelling is (a process) and isn't (a software or a 3D model), you will navigate the fundamentals to making it work (such as Employer's Information Requirements and BIM Execution Plans),

Detailed Agenda

navigate the fundamentals to making it work (such as Employer's Information Requirements and BIM Execution Plans), sail through the myriad of acronyms (EIR, BEP, IFC, LOD...), and circumvent obstacles to its success. In order to bring the theory back into context, the session will be illustrated by lessons learned, comments on current industry maturity and recommendations.

About the Speaker



 **Natacha Redon**

 Associate / BIM Lead
 Identity Consult, UK

Natacha Redon is an award-winning project manager, Associate / BIM Lead for Identity Consult, and committee member of the Association for Project Management's North East Branch.

Natacha has worked across Europe as a project manager, and decided to explore Building Information Modelling amongst other best practices as they started emerging. Believing that BIM supports efficiency, risk management and improves communication, she started delivering specialist BIM services in 2013. Now delivering those in parallel to information management and 'standard' project management services, Natacha works to educate and support clients through the BIM journey whilst guiding project teams to successful implementations benefiting all parties.

Natacha's current projects include Lancaster University's first BIM projects, each worth other £40m.

B6: Managing Changes on a Capital Programme

Managing the change process on capital projects is important for both client and contractor. Contractors need to ensure they get paid properly for any changes in scope that produce contractual entitlement. Clients need to track changes in cash and value requirements to ensure funding is in place.

This back to basics session will focus on client side change and will cover:

- Context and pressures for change to spend profile in a client organisation
- The importance of a well-defined change process
- Relevance of delegation of authority for change approvals
- How to evaluate and administer change
- How to update the approved budget profile
- Lessons learned from a recent assignment.

About the Speaker



 **Iain Cameron**

 Technical Director
 LogiKal Projects, UK

Iain is a commercially aware Chartered Engineer with practical project management experience and competence, and a flair for problem solving, planning, and communication applied to business and programme management. Experienced in the application of BIM to cost management, across construction, civil engineering, rail and highways sectors.

Iain's achievements include developing and implementing best practice project management processes and systems for all Westinghouse Rail System projects, improving the company's efficiency and profitability. He led the implementation of the iTWO 5D Cost Management solution for a major Oil & Gas supplier, he negotiated and implemented changes to the sequence of works for an infrastructure project that saved the client over £3 million. Iain is a highly effective principle consultant who has experience performing a range of project management roles across multiple sectors. His knowledge of engineering and project delivery is complemented by his impressive academic and professional qualifications.

B7: Balancing burdens of proof in dispute avoidance and resolution

Good governance of a construction project requires a delicate balance between the commercial realities and legal terms that guide the project. A central and often overlooked aspect of the commercial balance of construction contracts is the allocation of burden of proof for the realization or shifting of contractual rights regarding scope and timeline. In an ideal project setup, each party would have the commercial responsibility for those actions they could perform best, and the legal burden of proof on reallocating risks they are best placed to mitigate.

In this session, Mr. Isaacs presents from experience how new practices and technologies have upset the commercial balance of contracts by creating perverse incentives and unrealistic burdens of proof and how some parties exploit this imbalance to maximize their profitability, often at the expense of the success of the project.

Mr. Isaacs will show how smart parties can proactively put controls in place to mitigate the risks created by misplaced burdens of proof and present guidelines to rules, regulations and processes that may rebalance contracts for the benefit of the industry at large.

About the Speaker



Ari Isaacs, co-founder and CEO of Shapedo, consults for major national and international construction and infrastructure projects where he has developed a deep knowledge of dispute avoidance and resolution. Ari helped parties in conflict to resolve disputes leveraging technology and using processes and procedures he has designed and put in place to ensure effective project controls and delivery. ShapeDo specializes in drawing-driven distressed project recovery, delay analysis and dispute avoidance and resolution.



Ari Isaacs



CEO



ShapeDo, Israel

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Project Controls Expo is organised by ProjectControlsOnline.com (PCO) also popularly referred to as "Global Home of Project Controls".

PCO is the largest Project Controls central repository and knowledge base with presence in all 7 continents and over 150 countries. We are first choice of all Project Controls stakeholders (providers and consumers) as a venue for informational exchange across all industries that apply Project Controls principles.

Visit PCO to explore its Premium features such as Video Training Modules and Premium Library along with many other services i.e., White Papers and Presentations, Glossary, Conference Presentations, Free Library, Paperback Literature, Practitioners Guide, Blogs, Tools and JobZone, for the benefit of Project Controls Community.

PCO is managed by a global network of Senior Project Controls professionals who come from a variety of different industries. PCO leadership consists of "Core Team" together with a "Board of Advisors" from around the world. Under this leadership team, PCO boasts an impressive band of subject experts whose expertise spans the full spectrum of Project Controls. We are independent and not biased towards any technology, process, software or company.

PCO is a non-profit organisation and the revenue generated from its features is invested into its maintenance and further enhancement. All the team members are volunteers and working towards achieving our following vision

- **To be the first choice of all Project Controls stakeholders -- providers and consumers**
- **To promote an universal understanding of Project Controls value and processes**
- **To develop a central repository of data on Project Controls**
- **To generate awareness and offer expert guidance on Project Controls tools & practices.**
- **To build the first exclusive network of genuine Project Controls practitioners and their customers.**

Hope you enjoy your time at Expo and we always look forward to your suggestions to help us improve.

Thanks,
PCO & Expo Team



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