



DELEGATE PACK

NEC Users' Group Annual Seminar

WEDNESDAY 24th APRIL 2013



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Dear Colleague,

I would like to take this opportunity to welcome you to the 2013 NEC Users' Group Annual Seminar. The NEC team continue to strive to put together a programme that is both stimulating and varied. It is, therefore, not surprising that this year's event has, yet again, attracted a full house.

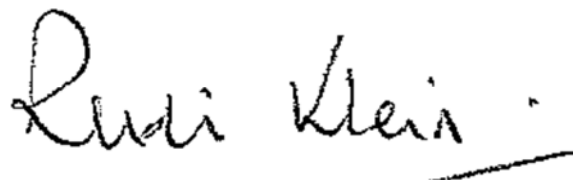
We are privileged to have as our keynote speaker Peter Hansford, the Government's Chief Construction Advisor. As a past president of the ICE Peter is a great supporter of NEC.

This Annual Seminar marks a special occasion since this year is the 20th anniversary of the NEC. In that time support for NEC has grown exponentially as more and more construction clients recognise the added value of this form of contract. But NEC is not just a form of contract. It is about a different way of working that requires collaborative management techniques to deliver projects on time, within budget and in conformity with clients' requirements. Not surprisingly it is now the case that UK public sector clients are turning more and more to NEC. It was gratifying to hear Sir John Armitt (formerly chairman of the Olympic Delivery Authority) explaining on BBC television last year that the use of NEC was key to the successful delivery of Olympic construction.*

This 20th anniversary of NEC also marks the publication of the 2013 edition of NEC3. Having launched in 2008 the NEC Project Bank Account Z clause I am particularly delighted that, with some changes, this has now been incorporated in NEC3 as Option Y(UK)1. This Option will be in some demand given that the Northern Ireland Executive has made project bank accounts (PBAs) obligatory (for contracts over £1 million) and the Welsh Government is likely to use PBAs for public sector construction in the Principality. In the meantime the UK Government is on track for delivering £4bn worth of projects using PBAs by the end of next year.

* Interview with Sir John Armitt in the episode of *Built in Britain* on 17 October 2012.

I would like to thank all members of the NEC Users' Group for their continued support for NEC. As always users are invited to submit feedback and comment on Users' Group events as well as on all matters relating to NEC.

A handwritten signature in black ink that reads "Rudi Klein". The signature is written in a cursive style with a horizontal line underneath the name.

Rudi Klein
President
NEC Users' Group

Dear colleague

I'd like to welcome you all to the 2013 UK Users' Group Annual Seminar. As well as to each delegate I'd like to extend my thanks to the speakers, sponsors, supporters and the NEC team for helping to make this event possible.

Alongside an exciting programme offering a mix of case studies and workshop sessions, the 2013 Users' Group Seminar marks the launch of the April 2013 Edition of the NEC3 suite of contracts.

These updates to contracts, guidance notes and flowcharts now better reflect the application of the UK Construction Act and include provisions for Project Bank Accounts. Together with these amendments we are delighted to announce a new addition to the NEC3 family.

The Professional Services Short Contract which has been researched and developed in partnership with the Association for Project Management. Like other short contracts in the suite, the PSSC focusses on what is needed for a smaller, less complex, lower value project. As such the provisions within the contract reflect these as possibilities. NEC and APM partnership is a great step forward for NEC extension in new markets and we look forward to supporting APM membership in the use of NEC.

I'm also delighted to announce the endorsement of the Term Service Contracts by the Cabinet Office's Facilities Management Board and the British Institute of Facilities Management (BIFM). These cement further the relationship between NEC and FM in the UK.

I'm pleased to welcome senior members of the APM and BIFM here today.

The final update to the 2013 suite is a set of 7 'how to' guides. The purpose of these guides is to help users improve both the setting up and the management of their NEC3 Contracts and improve outcomes of various processes in the NEC including Works Information, Service Information, PSC Scope, communication forms and BIM. For more information on the updated NEC3 2013 Edition, please visit the NEC stand in the Great Hall where members of the team will be able to help you.

With thriving NEC Users' Groups in Australasia and Asia Pacific as well as the UK, the users' community is growing rapidly. It is through events like these that we are able to both disseminate new information but also gain feedback on our products and services. I look forward to speaking to as many of you as possible during the day, however please do not hesitate to approach a member of my team with any feedback, comments or suggestions you may have.

2013 is the 20th anniversary of the NEC. To mark the occasion members of original drafting NEC Panel have joined us today, I am sure they will be interested in your views on their work 20 years on.

We'd be delighted if you could join us for a drink at the end of the Seminar to toast both the launch of the NEC3 April 2013 Edition and the next 20 years of NEC.

Finally it remains for me to say that I hope you enjoy the Seminar.

Rekha Thawrani
General Manager, NEC

Programme



NEC Users' Group Annual Seminar 24 April 2013 | One Great George Street

8.00 **Registration and coffee**

9.15 **Steve Rowsell, Chair, UK NEC Users' Group**

Opening address

9.30 **Peter Hansford, Past President, ICE; Chief Construction Advisor, UK Government**

- 20 years of the NEC
 - Reasons for continued government endorsement
 - Government procurement policy in the future
 - Questions from the audience
-

10.15 **Steve Hudson, Infrastructure UK Cost Review (IUK)**

- Infrastructure procurement routemap
 - Early supplier engagement
 - Strategic incentivisation
 - Questions from audience
-

10:50 **Coffee and networking**

11.20 **David McLaughlan , Defence Infrastructure Organisation (DIO)**

- NGEC/NEC – a meeting of minds?
 - Bespoking the NEC conditions of contract to suit the needs of the DIO: issues considered
 - Contract amendments made by the DIO: ensuring they complimented the spirit of NEC
 - Questions from the audience
-

11:55 **Matthew Lugg, Highways Maintenance Efficiency Partnership (HMEP)**

- What is the HMEP?
 - HMEP toolkit - procurement
 - HMEP/NEC: joint working 2013
 - Questions from the audience
-

12:30 **Neil Bradley, International Criminal Court (ICC)**

- €147 million contract; ECC Option C
- Comparison of NEC3 and FIDIC: why NEC3

- Better ways of achieving the best result
 - Questions from the audience
-

13.05 **Lunch**

14.05 **Workshops**

- **Jon Broome, APM** - Project Management
 - **Peter Higgins, Chair, NEC3 Drafting Panel and Member, NEC New Contracts Board** - Project Bank Accounts
 - **Glenn Hide, NEC** - Managing change under an NEC3 Programme
 - **Richard Patterson, Mott MacDonald; Barry Trebes, Mott MacDonald** - Dealing with Defined Cost
-

15.05 **Coffee and networking**

15:40 **Panel Discussion**

- NEC3 April 2013 Edition
- PSC Scope
- Overview of updates and amendments

Chaired by Peter Higgins and involving key members of the Drafting Team

16:40 **Steve Rowsell, Chair, UK NEC Users' Group**

- Closing remarks
-

17.00 **Drinks reception**

The floor plan of the NEC Conference Room is a large rectangular space with a grid overlay. The grid has columns numbered 1 to 14 and rows numbered 1 to 30. The plan includes the following areas and features:

- Service Area:** A small black rectangle labeled "SERVICE" is located at the top left, between columns 1 and 2, and rows 4 and 5.
- Catering Area:** A large red rectangle labeled "CATERING" is located at the top, between columns 2 and 11, and rows 8 and 10.
- Entrance/Exit:** A light blue rectangle labeled "ENTRANCE / EXIT" is located on the left wall, between columns 1 and 2, and rows 21 and 22.
- Emergency Doors:** Two light blue rectangles labeled "EMERGENCY DOORS" are located at the bottom, between columns 2 and 4, and between columns 11 and 13, both at row 30.
- Microphone on Stand:** A black octagon is located at the bottom left, between columns 1 and 2, and rows 24 and 25.
- High Table:** A light blue octagon is located at the bottom left, between columns 1 and 2, and rows 24 and 25.
- Catering Point:** A red rectangle is located at the bottom left, between columns 1 and 2, and rows 24 and 25.
- 3x2 Stand:** A light blue rectangle is located at the bottom right, between columns 11 and 13, and rows 24 and 25.
- Large Clothed Table for Biscuits/Juice:** A light blue octagon is located at the bottom right, between columns 11 and 13, and rows 24 and 25.
- Other Areas:**
 - CNS PLANNING:** A light blue rectangle located between columns 2 and 4, and rows 12 and 14.
 - MPS Processing:** A light blue rectangle located between columns 2 and 4, and rows 15 and 17.
 - 4 PROJECTS:** A light blue rectangle located between columns 2 and 4, and rows 18 and 20.
 - CEMAR:** A light blue rectangle located between columns 11 and 13, and rows 12 and 14.
 - CONJECT:** A light blue rectangle located between columns 11 and 13, and rows 15 and 17.
 - MILESTONE:** A light blue rectangle located between columns 11 and 13, and rows 18 and 20.
 - NEC MARKETING:** A light blue rectangle located between columns 2 and 4, and rows 26 and 28.
 - NEC PUBLICATIONS:** A light blue rectangle located between columns 4 and 6, and rows 26 and 28.
 - APM:** A light blue rectangle located between columns 6 and 8, and rows 26 and 28.
 - BIFM:** A light blue rectangle located between columns 11 and 13, and rows 26 and 28.

A legend at the bottom identifies the symbols used in the plan:

- High Table (light blue octagon)
- Microphone on Stand (black octagon)
- Catering Point (red rectangle)
- 3x2 Stand (light blue rectangle)
- Large Clothed Table for Biscuits/Juice (light blue octagon)

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|-------------|---------------|----------------------------------|---------------------------------------|
| Austin | Addison-smyth | | Health Facilities Scotland |
| George | Argyrides | | Interserve Support Services |
| Andrew | Ash | | Osborne Clarke |
| Keith | Austin | Senior Manager | Highways Agency |
| Nick | Awcock | | May Gurney Group Ltd |
| Martin | Barnes | | Martin Barnes |
| Martin | Barran | Senior Project Manager | Arcadis (UK) Ltd |
| Mansoor | Bashir | Senior Commercial Manager | Interserve Support Services |
| Guy | Beaumont | Commercial Analyst | Colas Ltd |
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| Ben | Biggin | | Opus International Consultants (UK) |
| Amanda | Bishop | | Nuvia Limited |
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| Neil | Bradley | | International Criminal Court |
| Martin | Branagan | | Enterprise Managed Services Limited |
| Mark | Brew | | Interserve Support Services |
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| Philip | Brown | Director | Gleeds |
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| Graham | Clarkson | | The Clarkson Alliance |
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| Barney | Crawley | | Amey |
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| James | Golden | Director | Quigg Golden Ltd |
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| Tristan | Hope | | Turner & Townsend |
| Robert | Horne | Partner | Trowers & Hamlins |
| Matt | Hosey | Senior Coastal Engineer | Eastern Solent Coastal Partnership |
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| Richard | Patterson | | Mott Macdonald |
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| Roma | Saimi | | Milestone |
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| Stephen | Shipley | Commercial Manager | Thames Tideway Tunnel |
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| Paul | Smart | Senior Contract | East Sussex County Council |
| David | Smith | Commercial Operations Manager | Jackson Civil Engineering Group Ltd |
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| Lars | Stapleton | | Eurovia Group Ltd |
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| Martin | Stocker | | Highways Agency |
| Giles | Sudderick | | Ministry of Justice |
| Eddie | Sung | | CNS Planning Ltd |
| Christopher | Tarrant | HV Commercial Contracts Manager | Prysmian Cables & Systems Ltd |
| Subash | Tavares | | Invennt Ltd |
| Keith | Taylor | Commercial Manager | May Gurney Ltd |
| Rob | Taylor | | Interserve Industrial Services Ltd |
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| Rekha | Thawrani | General Manager | NEC |
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| Martin | Thompson | | Wheeler Group Consultancy |
| Barry | Trebes | | Mott Macdonald |
| Koko | Udom | | NBS Services |
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| Ben | Walker | | CMTToolkit Ltd |
| Paul | Walsh | | Magnox Ltd |
| Jeremy | Walters | | Hyder Consulting UK Ltd |
| Steve | Warrington | | RWE Npower Renewables Ltd |
| Tim | Watkins | | W S Atkins |
| Jessica | Weaver | Product Development Manager | NEC |
| John | Weaver | Operations and Quality Manager | NEC |
| Mandy | Wheeler | | Boskalis Westminster Ltd |

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| Alan | Whiston | Project Section Head | Magnox Ltd |
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| Kelly | Williams | | Magnox Ltd |
| David | Williams | | Management Process Systems Ltd |
| Colin | Williams | | Mace Limited (London) |
| Steve | Williamson | Commercial Manager | Manchester City Council |
| Robin | Wilson | | The Coultershaw Trust |
| Bob | Wilson | | Scottish Water |
| Suzanne | Wilson | | Miller Construction (UK) Ltd. |
| Mackayla | Wilson | | Mace Limited (London) |
| Margaret | Winchcomb | Assistant Project Manager | Hannah Reed & Associates Ltd |
| Simon | Wood | Director | Moreton Hayward Limited |
| Thomas | Worcester | Quantity Surveyor | Turner & Townsend |
| Fay | Wright | | Faithful & Gould |
| Mark | Wrigley | | Milestone |
| Anthony | Yates | | Trowers & Hamlins |
| Joe | Yip | | South East Water Ltd. |
| Peter | Youd | Contracts Manager | South West Water Services Ltd |



BIOGRAPHY

Peter Hansford

Chief Construction Adviser

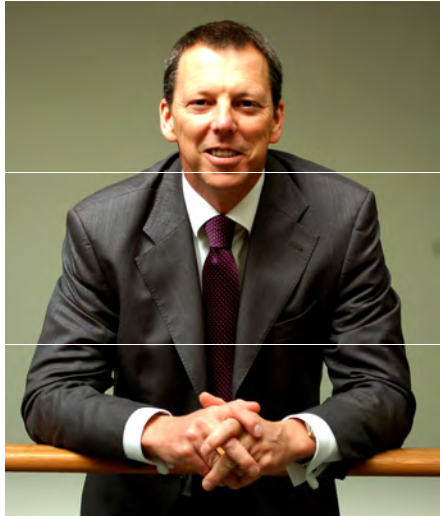
Peter has been Government Chief Construction Adviser since 1 December 2012.

Up to November 2012, Peter was an executive director at the Nichols Group where he was engaged in strategic consulting and advising on infrastructure developments and capital investment programmes. He has over 30 years' experience in the development and delivery of major infrastructure and building projects.

Peter is a Fellow of the Institution of Civil Engineers and a Fellow of the Association for Project Management. He served as President of the Institution of Civil Engineers from November 2010 to November 2011. Peter was a member of the steering group for the Infrastructure UK cost study to seek ways of reducing the cost of major infrastructure projects in the UK and chaired the industry-wide Infrastructure Steering Committee.

Peter has worked for government, public and private clients, consultants and contractors in a variety of industry sectors in the UK and overseas. He has been Executive Director, Infrastructure at the Strategic Rail Authority and a non-executive board director of Cross Rail. He is a non-executive programme board member for the Thames Tideway Tunnel programme.

Peter is chairman of the charity, Engineers without Borders UK.



BIOGRAPHY

Steve Hudson BSc (Hons), MRICS

Senior Commercial Adviser, Infrastructure UK

Steve is a Commercial Director in Carillion Construction leading functional and supply chain transformation programmes. He is currently on secondment as Senior Commercial Adviser with Infrastructure UK. Prior to this, Steve was Managing Director of Carilliontelent, a £270m p.a Joint Venture delivering services to Openreach under a 7 year Contract. Before Carilliontelent Steve was Commercial Director of Infrastructure Services responsible for all commercial aspects of our Utilities and Highways Maintenance businesses. Notable clients included; EDF Energy, EoN Central Networks, Scottish Water, Scotia Gas Networks, a number of Local Authority Highway Maintenance Term Contracts, including Manchester CC, Derby CC, Bristol CC, Wolverhampton CC, Suffolk CC, Warwickshire CC, Surrey CC, Essex CC and Redcar & Cleveland BC. For 3 years he was also responsible, as a JV Board Member, for the AMScott JV delivering the Area 7 MAC contract for the Highways Agency.

Steve comes with over 10 years' senior experience in the outsourced highways and utilities sectors and previously held senior positions in civil engineering and rail sectors for contractor organisations.

He has successfully bid and secured major term contracts in Highways, Utilities and Facilities Management in both the public and private sector, involving the outsourcing of key services and significant TUPE transfers. He has successfully led business growth in these sectors and delivered major transformation programmes for clients, improving service levels and overall performance. Internally, Steve has delivered supply chain rationalisation and major re-organisational change through business re-engineering and consolidation.

BIOGRAPHY

David McLaughlan

Assistant Head Commercial – Defence Infrastructure Organisation

David is a career civil servant and has worked within the MOD Commercial function for approximately 26 years. For the last 10 years David has worked within the Defence Infrastructure Organisation and has primarily focused upon commercial solutions for delivery of public sector infrastructure services. A key member of the drafting team for development of DIOs DEFCON 2000 suite of contracts, and developing the commercial solution to the SLAM (Single Living Accommodation Modernisation Programme). David joined the Next Generation Team in April 2011 and is the Assistant Head responsible for the delivery of the commercial solution to Next Generation Estates Contracts.



BIOGRAPHY

Matthew Lugg, OBE, C Eng, B Eng, MICE, MCIHT, DMS
Director - Environment and Transport Leicestershire County Council

Matthew is Director of Environment and Transport for Leicestershire County Council, Immediate Past President of ADEPT and Chair of the Midland Highway Alliance Board.

He has also taken up a 2 year part-time secondment to the Department for Transport working for the local transport division on the Highway Maintenance Efficiency Programme and other related initiatives.

He has considerable experience in the public sector working for a number of county councils as well as the Department for Transport in the UK.

He is a former Chair of the UK Roads Board and has played a major role in the development of Highway Asset Management and collaborative procurement in the UK by leading projects to produce national guidance as well as giving evidence on a number of occasions to the Transport Parliamentary Select Committee.

He has also presented a number of papers internationally on highways maintenance and transport topics.

Matthew has won numerous awards both for his personal contribution and on behalf of the organisations for which he has worked. Most notably the UK National Transport Award for his outstanding contribution to local transport and the OBE for services to local government.

He can be contacted on matthew.lugg@leics.gov.uk or on 0116 7000 matthew.lugg@leics.gov.uk



BIOGRAPHY

Neil Bradley

Project Director - Permanent Premises, The International Criminal Court

The International Criminal Court (ICC), governed by the Rome Statute, is the first permanent, treaty based, international criminal court established to help end impunity for the perpetrators of the most serious crimes of concern to the international community, namely Genocide, War Crimes and Crimes against Humanity.

Neil is the Director in charge of the ICC's Permanent Premises Project; he operates under the full, direct authority of the Assembly of States Parties (ASP) and reports both to the ICC Registrar and directly to the Assembly of States Parties through the Oversight Committee. The ASP currently comprises 122 member states and is the management oversight and legislative body of the International Criminal Court.

He is mandated by the ASP with ensuring that the new permanent premises of the Court in The Hague are built on time, within budget and to the highest specifications and quality.

Prior to joining the ICC, Neil worked in the UK construction industry for 18 years and has been at the forefront of client, contractor and supply chain collaboration including being involved in the establishment and operation of a number of major award winning construction delivery frameworks. He has held senior management positions at Interserve, where he was in charge of both the Bid Management for the UK Building Business and the Education Sector Academies Framework and at Thomas Vale where he was Head of Pre-Construction and Design. He has a degree in Building Surveying and is currently just completing an MBA.



BIOGRAPHY

Jon Broome

Managing Consultant – Leading edge projects consulting ltd.

Dr Jon Broome has been involved in the development of the NEC since 1993 when he started and completed the world's first PhD on it under one of its two original co-instigators. He completed the PhD in 1998 and did a further two years part time research into collaborative procurement routes. Since 1998, he has run his own company – leading edge projects consulting ltd - predominantly specialising in consultancy on the NEC, contract strategy and the procurement of complex projects, both in the construction sector and other industries. As well as having his contributions to the 2nd & 3rd editions of the Engineering and Construction Contract acknowledged, Jon has authored numerous refereed papers, articles in the Users' Group Newsletter and the top selling "NEC3 : A User's Guide" as well as leading the drafting team for the Professional Services Short Contract. He speaks trains and consults on these topics internationally and across sectors.

In addition, Jon has been chair of the Association for Project Management's Contracts & Procurement Specific Interest Group since 2007. In this role, as well as leading the team that wrote the new Professional Services Short Contract, he is desperately trying to find time to finish off its revised Procurement Guide for Projects and Programmes!

He can be contacted on jon@leadingedgeprojects.co.uk or on +44(0)7970 428 929.



BIOGRAPHY

Peter Higgins

Director – pdConsult

Peter Higgins is a director of pdConsult, a consultancy organisation providing strategic advice, contract procurement, management and dispute resolution services to the construction industry. He has a background in civil engineering, building and landscape with experience in the UK, Africa, and in the Middle and Far East. Peter has experience as Project Manager and Project Director on a wide range of engineering projects in Nigeria, Oman, Malaysia and Europe, and was responsible for the worldwide civil engineering work of a major UK consultancy.

Since 1976, Peter has been involved in determining contract strategy, advising on contract preparation and procurement processes and advising on contract administration. Much of Peter's current work is advising major public sector clients on procurement policy and implementation. Working with legal teams, he has been closely involved with public sector clients in developing contracts using the NEC system and developing procurement strategy. He has given lectures in many countries on contract issues and has published papers on contracts and on ethics in construction.

Peter is a trained mediator, and has had appointments as expert witness in arbitration and litigation cases, and acts as arbitrator, adjudicator or other dispute resolution expert. He has dispute resolution experience in engineering, building and landscape disputes, both as neutral deciding disputes and in advising clients. He is on various dispute resolution panels for the Institution of Civil Engineers and the Chartered Institute of Arbitrators.

Peter was Chairman of the New Engineering Contract Panel for the Institution of Civil Engineers and now sits on their New Contract Board. He has been involved in the development and implementation of NEC contracts since the initial preparation of these contract forms, and has provided advice and training to many contract users. Peter was a council member and subsequently was awarded honorary membership of the Society of Construction Law, and has served as a branch chairman of the Chartered Institute of Arbitrators. He is currently chairman of the ICE Dispute Resolution Panel.



BIOGRAPHY

Glenn Hide
NEC Consultant

Glenn Hide has been a trainer for Thomas Telford since 2006. He has delivered a large amount of the different NEC3 training courses offered by Thomas Telford and has written both the NEC3 Programme Workshop and the ECC Start Up Workshop. He has presented on aspects of the contract at various national conferences, and had published a number of articles for the ICE's journal Management, Procurement, and Law and the NEC Users' Group newsletter. Other conferences that he has presented at include the Society of Construction and Law annual seminar, Big Projects Expo, Primavera annual conference and Planning, Scheduling Symposium.

After studying civil engineering at Coventry University, Glenn joined the Birse Group, where he worked for 11 years becoming their planning Manager for the South East Region. Having predominantly used the NEC contract for the past 15 years, he offers insight and practical advice on how users within the industry can maximise the effectiveness of the contract on their projects.

Glenn can be contacted on glenn@gmhplanning.co.uk



BIOGRAPHY

Richard Patterson, BA MBA CEng MICE

Engineering and management consultant – Mott MacDonald.

Richard is a chartered civil engineer and procurement and NEC specialist with global development, engineering and management consultant, Mott MacDonald.

More than 21 years' experience with Mott MacDonald in the UK and in Australia, Bahamas, Botswana, Ethiopia, Hong Kong, Lesotho, New Zealand, Pakistan, Romania, Russia, St Kitts and Nevis, Turkey and Vietnam. Much of the international work has been on bank funded projects, often using FIDIC forms of contract.

Richard advised on possibly Mott's first use of the NEC when he moved to their procurement team in 1996 and has worked with the NEC ever since. He supports Mott's teams and their clients in all sectors from the Halley VI research station on the Antarctic, Transnet in South Africa, the Jumeriah Golf Estates in Dubai. In Hong Kong, he has supported the Mott MacDonald's Hong Kong team on its commissions advising various departments of the Government of Hong Kong on their trial projects using NEC.

In 2007-2008, he was 'let out' by Mott's and carried out training and consultancy directly for NEC, including road shows and User Group events across the UK and in Australia and New Zealand.

He is back full time with Mott MacDonald and continues to support clients in all sectors and across the world on the use of the NEC, providing guidance and varied and extensive training as required. Through Mott MacDonald he continues to deliver training for NEC publisher, Thomas Telford. He also leads his unit's 'procurement practice'.

Richard is a frequent contributor to the NEC Newsletter, has had NEC papers published in ICE's Proceedings and sits on the Editorial Advisory Panel of the ICE's journal, Management, Procurement and Law. He is also a joint author of 'How to write the PSC Scope' included the NEC3 April 2013 suite of contracts.

For NEC publications see:

<http://uk.linkedin.com/in/coolsoberandsmiling>



BIOGRAPHY

Dr. Martin Barnes

Dr Barnes is a project management pioneer. He was a founding member of the Association for Project Management and has been both its Chairman and President. During his wide and varied 50 year career, he has pioneered, amongst other things, the New Engineering Contract (NEC) which was launched in 1993 having presented the original specification to the Institution of Civil Engineers in 1986. Martin was involved in the drafting of two subsequent versions of the NEC: NEC2 in 1995 and NEC3 in 2005, both of which expanded the basic principles of the 1993 version of good working between the parties to cover more areas of construction, infrastructure and its associated supply chain. Martin continues to sit on the governing board of the NEC today. In 2009 Martin was awarded the CBE for services to Civil Engineering.

He is a trailblazing, experienced project manager and author. He has presented papers at many international conferences and has lectured all over the world. He has also talked about project management on TV and radio and has designed and run training courses.



BIOGRAPHY

Professor Rudi Klein

LLB(HONS) (Lond.) FCIOB, FRSA, Barrister CERT.ED.

Rudi Klein is Chief Executive of the Specialist Engineering Contractors ' (SEC) Group, an umbrella body representing the interests of 60,000 firms in the specialist engineering sector. He is also a barrister specialising in construction law.

He was actively involved in the piloting of the "Construction Act" through Parliament and originated Section 112 of the Act dealing with the right of suspension of construction contracts for non-payment. He campaigned for amendments to the Act to overcome weaknesses in the legislation. When Part 8 of the Local Democracy, Economic Development and Construction Bill was introduced he drafted amendments which were debated in Parliament. An amendment on security for payment was lost by 69 votes in the House of Commons.

He is an adjudicator on the Adjudication Panel of the Chartered Institute of Building (**CIOB**). He has lectured extensively on legal and contractual matters and is a regular legal columnist to Building Magazine and Construction News. He has written handbooks on tendering and contracting and a self-help legal handbook on retentions. He wrote the commentary on the "Construction Act" for Sweet & Maxwell's Current Law Statutes. His commentary on s.111 received House of Lords ' approval in *Melville Dundas v. Wimpey* (2007)– the first case on the Act to go to the House of Lords.

He was appointed Visiting Professor of Construction Law at the University of Wolverhampton on 1 June 2000 where he teaches on the MSc in Construction Law and Arbitration. In May 2007 he was also appointed Visiting Professor at the University of Northumbria where he is supporting the University 's research priorities. He has taught the law relating to construction contracts at Hong Kong City University in Kowloon including aspects of the Hong Kong Government contract. He has been a visiting lecturer at University College London, Kingston and London South Bank University and a Fellow of the Royal Society of Arts.

He was appointed chairman of the NEC Users Group in 2006 and is currently President of the Group. He has written articles on the NEC contract and spoken at international conferences on the subject.

He is an honorary member of the Society of Construction Law.

He was nominated as construction personality of the year in the 2004 Building Awards. He was listed in Contract Journals construction industry top 30 "*power players*" in 2006, 2007 and again, in 2008.

Rudi has given advice to both the New Zealand and Singaporean Governments in the development of their respective construction contracts legislation. He has been working with Senator Quinn on the drafting of the Construction Contracts Bill. He is a member of a European Commission working party drafting a harmonised code of contract law for the European Union.



BIOGRAPHY

Robert Gerrard
NEC Consultant

Rob specialises in procurement and project management and is also involved in extensive NEC training and consultancy work. Rob is experienced in financial control, contract preparation and administration, including the consideration, evaluation and resolution of contractual claims mainly in civil engineering projects.

As well as being on the Editorial Advisory Panel for the ICE's journal Management, Procurement and Law and an Examiner for the ICE Law & Contract Procedure he has also held the position of NEC Users' Group Secretary from 2006 to date.

His publications include NEC2 and NEC3 Compared, 2005, as well as drafting the NEC3 Professional Services Short Contract guidance notes, some of the flow charts and 'How to...' guides along with being a part of the working group drafting the NEC3 April 2013 suite of contracts, which is being launched at the Annual Seminar on the 24th April 2013.

Rob can be contacted on robert.gerrard@neccontract.com or on +44(0)20 7664 2446.



BIOGRAPHY

Steve Rowsell BSc CEng MICE FIHT MCIPS
Director – Rowsell Wright Limited

Steve Rowsell is a well-known figure in the construction industry and has 37 years' experience in major project delivery. This includes senior roles at the Highways Agency and Crossrail Limited, and procurement related expert witness work.

Steve is a chartered Civil Engineer and worked for the Highways Agency for over 30 years before leaving them in 2007 to set up the procurement consultancy Rowsell Wright Limited.

Between 2000 and 2007 Steve was the HA Procurement Director and introduced a wide range of new initiatives including partnering contracts, early contractor involvement, the Capability Assessment Toolkit and the new MAC maintenance contracts.

In his role as Director of Rowsell Wright he has moved into other infrastructure sectors and has acted as Head of Procurement on Crossrail for over 2 years, and he is now advising High Speed Two and the Highways Agency on their procurement strategies and procedures.

Steve is Chairman of the NEC3 Users Group and is also a Trustee of the Chartered Institution of Highways and Transportation.



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Oracle's Primavera Enterprise Project Portfolio Management (EPPM) Solutions

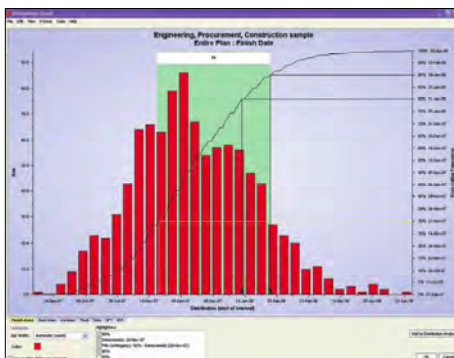
The solution for prioritising, planning, managing and evaluating projects, programmes and portfolios

Oracle's Primavera Enterprise Project Portfolio Management (EPPM) is an integrated, enterprise class project portfolio management (PPM) application that helps organisations select the right strategic mix of projects, balance resource capacity, manage project risk, and complete projects on-time and within budget.

BENEFITS & FEATURES

- Project documentation and workflow
- Accurately forecast costs, schedules and resource demands
- Easily adjust the project portfolio mix when things change
- Better align the right people and identify the team best suited for your projects
- Meet the needs of the various roles, functions, and skill levels
- Primavera solutions streamline processes and improve efficiencies
- Applications are easy to implement and use, increasing productivity on project and programme teams
- Real-time, secure collaboration anytime, anywhere, and across functions
- Better coordinate project/programme teams, and make smarter decisions and mitigate risks
- Continuously manage the fluctuating demand for critical resources and skills

FIGURE 01



Oracle's Primavera Risk Analysis

Assembling the best Project Portfolio

Considering potential Projects

Identify major risk factors, understand the impact of particularly aggressive schedules, assess resource needs, timelines, funding, and cash flow.

Choosing Projects for maximum value

Accurately identify the most-valuable projects in the pipeline, prioritising projects and programmes based on financial considerations, risk tolerance, timelines, resource constraints, and so on.

End-to-end visibility for improved decision-making

Beyond the technology barriers

End-to-end visibility and transparency, along with sufficient programme and project details to ensure successful planning and management – easily integrate it with other enterprise software.

Improved view for better decision-making

Comprehensive, real-time view of all projects, enables deep understanding and proactive decision-making.

Enabling real-time collaboration

Overcoming barriers to productivity

EPPM solutions provide means to collaborate effectively with others both locally and globally thus helping project and programme teams overcome communication barriers to productivity.

Weaving teams together

EPPM solutions enable the fluid, end-to-end communication needed for individual insight, team productivity, and project success.

Improving agility in changing times

Bracing for the changing tides

EPPM delivers effective change management processes and the project insight necessary to ride the tides of change – unnecessary shortages, cost overruns, missed deadlines, unsatisfied clients, and more.

Managing change throughout the Project lifecycle

EPPM solutions increase project and programme visibility into critical issues and changing needs. This fosters improved accountability among team members, and increases your ability to tie resources to change management processes.

Keeping the Right Projects on the Right Track

With Primavera, you have the tools to evaluate the risks and rewards associated with projects and the confidence to assemble the project portfolio with the greatest business value. End-to-end visibility into project and programme activities gives you the decision-making finesse to drive efficiency and results. Real-time collaboration keeps teams running smoothly, and keep projects and programmes on track. And process and system flexibility, along with ongoing business insight, gives you the agility you need to plan for and effectively respond to change.

Product Overview

Oracle's Primavera Enterprise Project Portfolio Management (EPPM) solutions combine industry leadership and an integrated technology platform to meet your project and programme management needs. Primavera EPPM solutions include:

| | | |
|---|--|----------------------------|
| PROJECT/ PROGRAMME/ PORTFOLIO MANAGEMENT | COLLABORATION AND CONTENT MANAGEMENT | REPORTING AND ANALYTICS |
| PLANNING AND SCHEDULING | TIME SHEETS | INTEGRATION |
| RESOURCE MANAGEMENT | BUDGETING AND COSTS | SECURITY |

Primavera Portfolio Management

A solution for enterprise decision making processes

Helps you link your strategic objectives with your portfolio of initiatives by capturing and analysing all your relevant data.

Primavera Risk Analysis

A solution for reducing risks

Provides the tools for companies to model risks and analyse the cost and schedule impacts of mitigating them – and, in the process, taking much of the uncertainty out of project and portfolio management.

Primavera Contract Management

A solution for completing projects on schedule and within budget

A document management, job cost, and project control solution that increases the efficiency and speed of construction project management while reducing schedule delays and risk.

Primavera P6 Reporting Database

A powerful reporting and business intelligence database

Provides a central repository for all portfolio and project data. Its open architecture allows users to create operational reports and business intelligence analysis using any third-party reporting tools.

Primavera Earned Value Management

A solution for cost management and earned value capabilities

Integrates detailed cost information with your programme schedule, by aligning and combining project performance data from cost and schedule systems, adding complex burdening rates, and tracking committed cost.

Tailored for

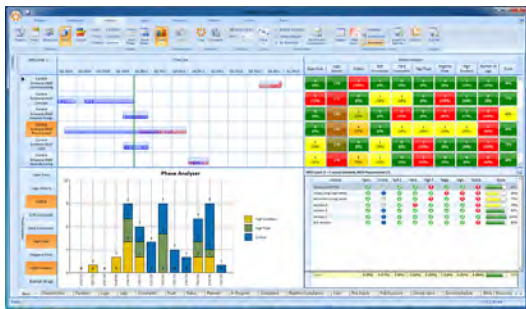
- Engineering, Architecture and Construction
- Aerospace and Defence
- Utilities
- Oil and Gas
- Industrial manufacturing
- Public Sector
- Financial services
- IT
- Chemicals

Acumen Fuse

Enterprise project analysis

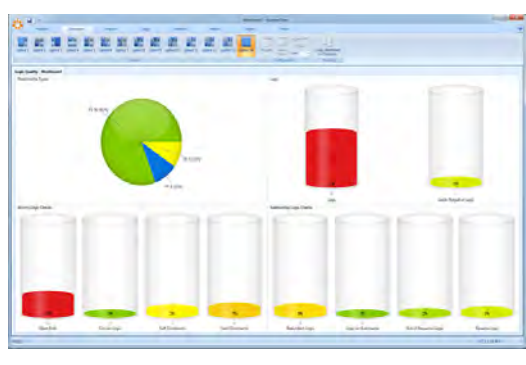
Acumen Fuse® offers continuous analysis throughout the entire project life cycle. From start to finish, Fuse gives you faster assessment, deeper visual insight, and greater flexibility. Fuse is more than just a schedule critique, it is a comprehensive project analysis and correction software spanning the many facets and phases that make up a complete project.

FIGURE 01



Visualize metric results in tables, charts & graphs. Graph multiple metrics at once

FIGURE 02



Customise the dashboard for insight into project status and metric use

Project Analysis

Achieve well-built and realistic plans without the headache of a manual critique. Determine where project cost overruns and risk hot spots are happening, and more importantly, why.

Schedule Cleansing

Pinpoint scheduling flaws and complexities, such as constraints or redundant logic links, and remove them instantly. Create a clean version of the schedule and publish directly to Primavera or MS Project.

Trend Evaluation

Pinpoint changes and variances between two or more projects. Determine the impact of otherwise hidden changes. Identify the root-causes of delays and overruns. Figures 01 and 02

Slice & Dice

Create groups of activities based on any attribute or code such as contractor, WBS, resource, or location. Apply metrics to specific groupings for targeted analysis and insight.

Performance Tracking

Visualize project performance from start to finish. Compare current project snapshots to past and future plans, or use a custom Fuse dashboard to gain visual insight into project status.

Custom Reporting

Quickly generate Word, PDF or excel-based reports on project quality or status. Create custom reports through the Fuse API.

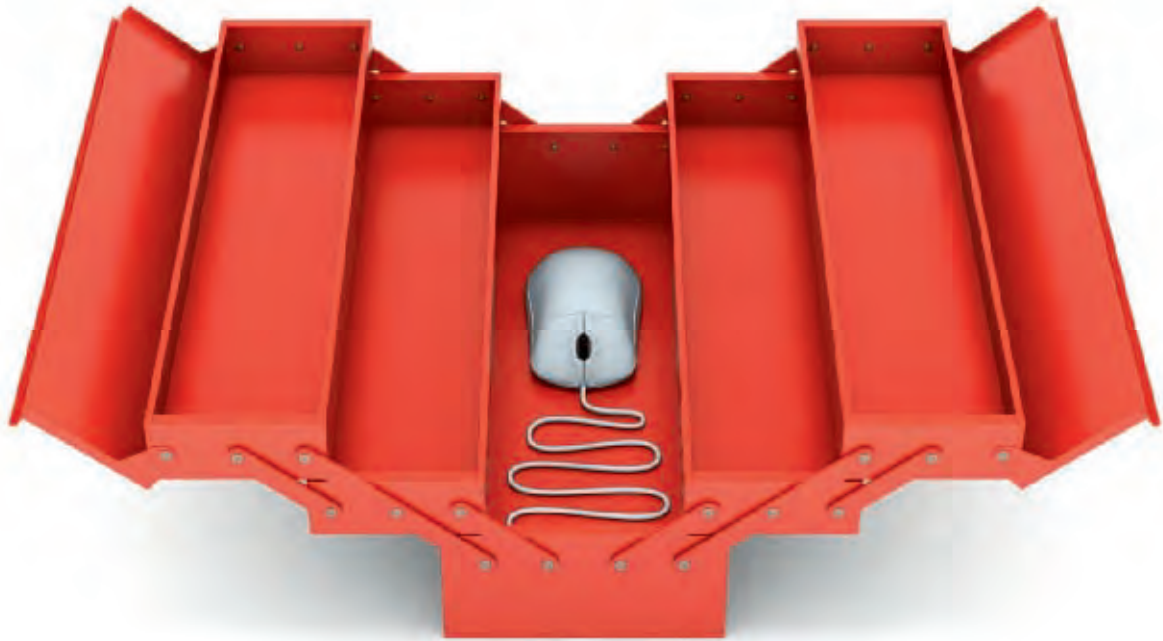
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Acumen Fuse - Schedule Diagnostics

Acumen 360 - Acceleration and Decision Support

Acumen Risk - Cost and Schedule Risk Analysis

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Implementation of CEMAR on the Terminal Restoration & Modernisation, Portfolio of Projects and Capacity Optimisation portfolio of BAA Service Contracts is proving to be a great success.

"Having overseen the implementation of CEMAR across a series of contracts the feedback from users has, without exception been extremely positive. Both client and contractors have found the tool to be intuitive and the enthusiasm witnessed following introductory training sessions has always been encouraging."

Mike Duffy, Senior Project Manager, Mott MacDonald

"I think CEMAR will prove to be one of the most important changes we make in managing the clients projects... for management / recording purposes it ticks all the boxes."

Brian Cottam, Contracts Manager, Mott MacDonald

"Ease of use – almost too easy!! – Very easy to use, quick, intuitive and clearly laid out on the screen... The structure is excellent – the reminders page basically providing the to do list – if you then follow the process through these links you can't really go wrong!"

Delivery Manager, Airfield Infrastructure, Heathrow Airport Limited

"The product adheres much more rigorously to the actual workings of the NEC contract and is a well thought out/ comprehensive software package. It is particular adept at raising all the correct letters electronically automatically quoting the relevant clauses... It is clear this product has been developed by project managers/QS's to assist and not hinder change control."

Delivery Manager, British Airports Authority

"The system is user friendly, flexible and easy to use... CEMAR has enhanced the process of Change Control on all our BAA Contracts."

Commercial Manager, Airports, Morgan Sindall PLC

"Is readily accessible through the internet without any special software which is excellent and facilitates quick access and set up... Is very easy to use, you can learn through experiment... Follows NEC process and aids resolution of change through a carefully controlled process... Files and coordinates all the relevant documentation together in one convenient location."

Project Manager, HETCo JV - Heathrow EAAR

"Good flexibility in reporting, reports can be tailored to specific needs without affecting the core processes of CEMAR... Enforces stricter compliance of contract conditions."

Quantity Surveyor, HETCo JV - EAAR



Work has started on the £635m, four-mile long Lee Tunnel project, which will prevent 16 million tonnes of sewage discharging into the River Lee each year from the largest sewer overflow point at Abbey Mills Pumping Station in Stratford.

CEMAR is being used to manage administration on the project between the project management team and the principal contractor, MVB.

- January 2010 to mid 2015
- NEC3 ECC Option C
- Employer: Thames Water
- Project Manager: CH2M HILL
- Contractor: Morgan Sindall, VINCI Construction Grands Projects and Bachy Soletanche

CEMAR incorporates the activity schedule and the ability to associate quotations and other events and matters; affording powerful management and reporting.

CEMAR has administered circa 3,000 communications under the project to date, each one NEC3 compliant, accessible, auditable and consistent.

"We are now in the second year of the largest contract ever awarded in the privatised water industry with CEMAR providing an invaluable tool in its efficient administration. The system is user-friendly and saves time by providing immediate real-time reporting of the status of early warnings, compensation events and other contract matters as they are progressed under this NEC3 contract."

"The CEMAR system has been, and continues to be, an exceptionally effective and efficient tool to proactively manage contract administration for the Project, in accordance with the contractual requirements and obligations, providing optimum visibility of issues for many users to observe."

Francois Pogu, Project Director, MVB



Implementation of CEMAR across Magnox's national portfolio of nuclear decommissioning work has been a resounding success. CEMAR has administered tens of thousands of NEC3 communications - each compliant, accessible, auditable and consistent, realised substantial savings and provided powerful reporting capability.

"CEMAR has represented a step change for Magnox, simplifying the management of our significant and complex portfolio of Contracts. As a tool it has been embraced by our Contract Managers and suppliers alike in collaborative working and is fostering improved performance and consistency in the whole NEC3 process. We have gained greater visibility of management information through this intuitive package enabling us to focus on continued improvement and have received outstanding support and value to the business from the team at CEMAR."

Philip Colwill, Head of Commercial Delivery

"This product is a dream come true for any Service Manager running a large Facilities Management Contract. Administration of my contract can now be handled by this flexible, easily to use and well supported product. Correspondence tracking and communications with the contractor is now much quicker and simpler than the manual paper and spreadsheet methods..."

Mike Bennett, Contract Manager, Oldbury Power Station

"I'd say it's the most user friendly system I've used without the need to look at the user guide."

John Ring BSc, Senior Commercial Controller Doosan Power Systems Ltd

"Converting the project to a web based intuitive management system has transformed the management function. It has improved the flow of information between the parties including maintaining the rigid NEC3 timescales for responses."

Philip Peeke-Vout, Project Manager, Chapelcross Site

"To date I'm very impressed with CEMAR. As a contract administration tool it ticks all the boxes and is very easy and intuitive to use. It offers excellent flexibility in that it can be accessed anywhere with internet capability, and I particularly like the email prompting (which eliminates the excuses factor!). Technical support is a similar story..."

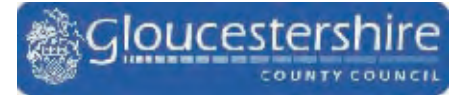
Mark McLinden, Principle Quantity Surveyor

"CEMAR has enabled us to easily track & review contractual notifications, and share the outcomes with the wider team remotely. CMToolkit have been very responsive in introducing new features where requested, and I would recommend the software to any user of the NEC contract."

Matthew Donnison, Framework Quantity Surveyor Costain Energy & Process

"The CEMAR system has proved to be an efficient tool to improve the contract management interface between the parties, preserving the contractual requirements and obligations, and up to date accurate information."

Commercial Manager Kitsons Environmental Europe Limited



CEMAR is Gloucestershire's choice of NEC3 administration system. To date CEMAR has administered circa 8,000 communications across their portfolio of works.

High profile projects managed under CEMAR include; the Gloucester South West Bypass; Gloucester Quays Linkages; Merrywalks Bridge Stroud; Coopers Hill A46 land stabilisation; Town Ham Viaduct Pier Replacement; and Kingshill Pedestrian Bridge. The projects span a range of NEC3 forms and payment options.

CEMAR has delivered significant cashable savings (£80,000 Gershon Saving on one scheme) and substantial added value including consistent, compliant, accessible and auditable correspondence.

"The use of CEMAR assisted in 96% of all compensation events implemented within the contractual period."

Paul Crick, Capital Programme Manager Gloucestershire County Council (SW Bypass)

"As Project Manager the main advantage to me is the added value element of being able to have 'real time' information instantly available. In effect this adds significantly to the management of the project as it facilitates more frequent interrogation of the progress of the compensation events, thus enabling positive actions to make sure that contractual time scales are maintained."

David Hughes, Project Manager formerly of Halcrow

"I have now used CEMAR for several years and found the software extremely user friendly. As a web based product the toolkit can be used at any location with an internet connection. This is fantastic and so useful to track your projects when you are off site. The CEMAR support team have provided excellent support and are prepared to consider bespoke changes to the software to suit specific project requirements. An excellent product for administering NEC projects."

Mark Collins, Principal Engineer / Project Manager, Gloucestershire Highways





Software as a Service

CEMAR is a simple, flexible, fully hosted and maintained web application for use with NEC3 ECC, PSC, TSC, ECS and other forms. Available 24hrs a day, 365 days a year. No downloads or installation so accessible from anywhere.



Compliance & Consistency

Guides users in the procedures of NEC3. The tailored gateway approach ensures teams remain compliant in process and aware of their pending responsibilities. Integrated internal signoff and financial governance.



Admin made simple

Automatically archives all correspondence, maintains an audit log and removes the need to double handle data.



Real-time Reminders

On-screen reminders, countdowns and email alerts keep teams aware of outstanding actions.



Global Reporting

Analysis, charting, trending and benchmarking over multiple contracts in aggregate to inform resourcing and strategic decision taking.



True collaboration

Common registers and numbering system. Create links between events and matters. Upload and share photos, drawings, records, programmes and much more.



Manage contract events

Manage early warnings, technical queries, tests, defects, payments, compensation events, proposals, Task Orders and much more. Keep on top of notifications, replies, instructions, quotations, decisions and acceptances.



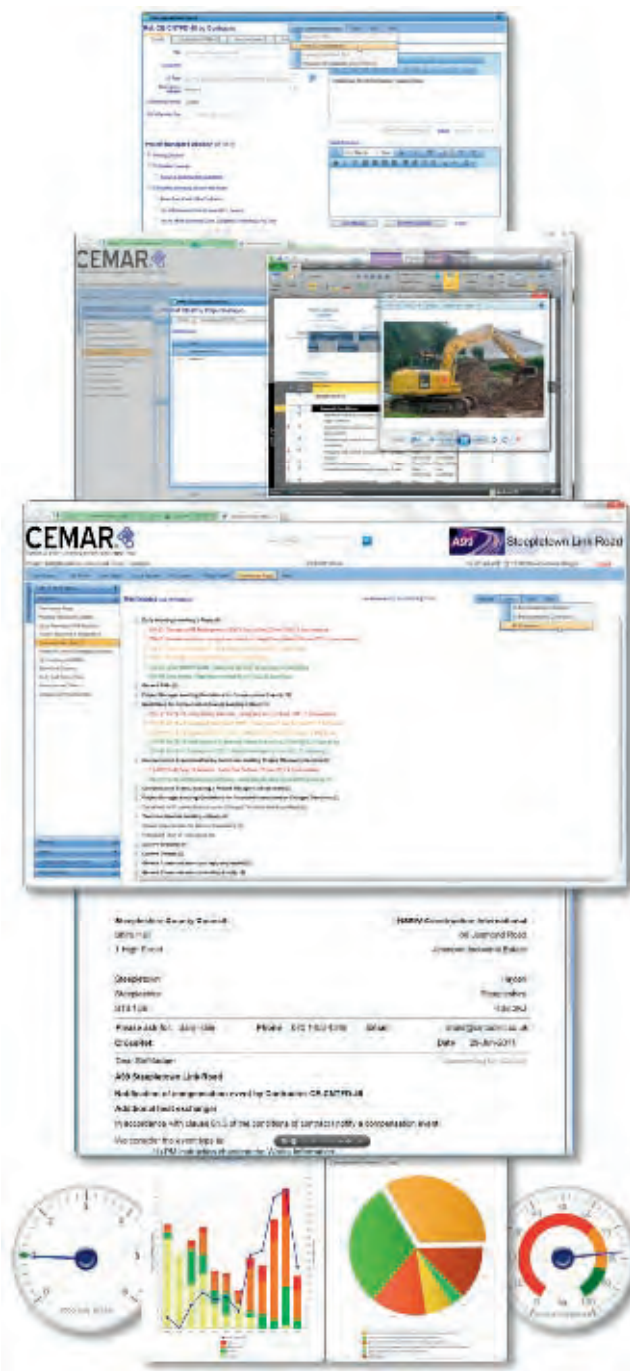
Instant Reports

Produce instantaneous reports from real-time data; track changes to the Prices, Completion, Sectional Completion, Key Dates and priced schedules, then export with ease.



Free your teams

Realising the benefits of NEC3 demands timely adherence to its procedures. Free your professionals from administration so they can focus on delivering the works.



"user-friendly... saves time by providing immediate real-time reporting"

"...exceptionally effective and efficient"

"...invaluable tool with first-class support"

"...I have found the CEMAR system to be extremely useful"

"...excellent customer support and an excellent product"

"...very user friendly"

"...the CEMAR team have provided excellent support...and bespoke to suit specific project requirements. An excellent product for administering NEC projects."

ABOUT US

CNS Planning is a leading consultancy specialising in planning and dispute resolution. Our team of highly-qualified project planners and delay analysts brings over 25 years' combined experience across the construction, M&E, engineering, and building sectors both in the UK and overseas.

We work both proactively and retrospectively, providing specialist services including tender and contract planning, delay analysis, and expert witness reports. We are passionate about helping our clients, including contractors, developers and legal professionals, to implement comprehensive planning programmes and in providing practicable recovery programmes should any problems occur.

We work hard to understand our clients' needs, and we can work both autonomously or as part of our clients' own teams, depending on your precise requirements.



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- ✓ Provision of strong evidence under cross examination

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project and want to ensure
adherence to the
planned programme?*



PROJECT CONTROL SERVICES

We can work with you right from the outset to ensure that every single element is clearly considered, defined and communicated.

Our qualified team has vast experience across residential, commercial and specialist sectors including industrial, healthcare, sports stadia, office space, warehousing, hotels, refurbishment and turnkey projects.

OUR SERVICES INCLUDE:

- ✓ Initial programme preparation incorporating design, tendering/procurement, and construction commissioning
- ✓ Full evaluation of contractors' programmes during the tender process and initial construction stages
- ✓ Monitoring of progress and provision of advice on requirements to update programmes in accordance with project needs

BUILD IT WITH SYPRO



EASY, EFFICIENT AND EFFECTIVE ONLINE CONTRACT MANAGEMENT.

Sypro gives you an easy to implement, simple to use and cost-effective solution to the management of the NEC3 suite of contracts.

Our system provides full compliance to NEC processes for the management of risk, time and cost impacts and programme submission and acceptance. Also, a clear audit trail of project activity and forecasted financial reports provide total project transparency.

Sypro can be operated on projects of all sizes and across separate geographic locations. Designed by NEC consultants, it makes life simpler for you.

SPEND LESS TIME MANAGING AND MORE TIME BUILDING.

FIND OUT MORE:

Call us on: **0845 838 5697**
Email us at: **info@sypro.co.uk**
Or visit: **www.sypro.co.uk**



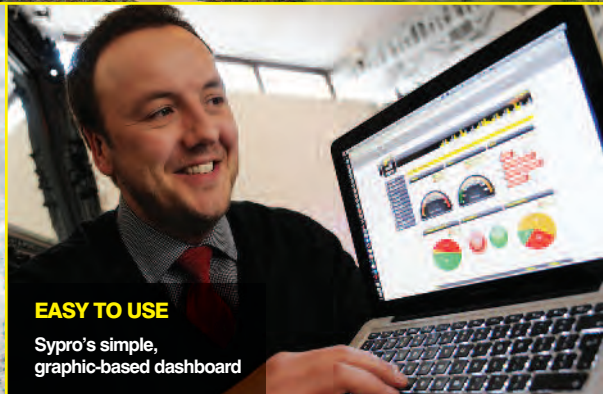
BUILT WITH SYPRO

East Riding Community
Hospital with Interserve
Completed June 2012



BUILT WITH SYPRO

Kirkcaldy sea wall with Fife
Council and Volker Stevin
Due to complete end 2014



EASY TO USE

Sypro's simple,
graphic-based dashboard



BUILT WITH SYPRO

Southern General Hospital
with Brookfield Multiplex
Due to complete end 2015



FIND OUT MORE:

Call us on: **0845 838 5697**
Email us at: **info@sypro.co.uk**
Or visit: **www.sypro.co.uk**

"The introduction of Sypro made the administration of the NEC contract much more efficient and allowed me to respond quickly and easily to all events. Sypro also provided a robust and transparent audit trail and enabled me to monitor live events as well as the project's costs and risks."

Stephen Dale
Capital Programme Manager, NHS East Riding of Yorkshire

NEC3 MANAGER

4Projects have been providing collaboration solutions to the global Building and Infrastructure sectors for over 12 years.

We focus on providing solutions that help client, contractor and consultant teams to work together more effectively at every stage of the project/programme lifecycle.

In 2010, 4Projects was selected as a Licensed Content Partner for NEC3 Content Management Software.

This enables us to incorporate the full NEC3 contract management process and content into our NEC3 Manager solution making it easy for our customers to create and control NEC3 contracts.

4Projects NEC3 manager is quick and easy to set up and integrates seamlessly with the other parts of the 4Projects collaborative toolkit.

4Projects NEC3 Manager helps streamline processes, whilst providing a platform that makes contract management simple and effective.

Features

- **Licensed content partner** for all NEC3 contracts
- **Templated NEC3 workflows, forms and content** – easy to start up and manage your NEC3 contract
- **Customisable Report generator** – helping you to control key project information requirements such as risk register
- **Seamless integration with full 4Projects collaborative toolkit** – manage all project documentation, communication and process in one solution
- **Real time project dashboard** - helping you visualise programme and identify issues and risks
- **Automated task allocation and alerts** – controlled by contract role (early warnings, compensation events, Instructions)
- **Form and content customisation where required** – save your own templates

Pre-defined e-forms and workflows, issue and track all post contract communications.

4Projects provides a simple and effective solution to formalise a contract to include contract roles, responsibilities and processes.

The NEC3 Manager dashboard makes managing the process as simple as logging on.



4Projects

Collaborative solutions for every stage of the project/programme lifecycle

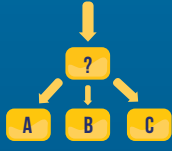
PRE CONSTRUCTION

CONSTRUCTION

OWN/OPERATE



DOCUMENT
MANAGEMENT



DRAWING
MANAGEMENT



PROJECT
CONTROLS



CDM



CONTRACT
MANAGEMENT



PROCUREMENT

BIM

4BIM

NEC3 Manager Case Studies



Scope

- New Build Academy Project
- HK\$ 365m
- 24 months

Collaborative requirement

- Control project documents, information and process
- Control NEC3 contract
- 10 Organisations
- 60 Individuals



Scope

- University Refurbishment Project
- UK£ 6m
- 18 months

Collaborative requirement

- Control project documents, information and process
- Control NEC3 contract
- 15 Organisations
- 67 Individuals



4Projects Collaborative Toolkit

- Software as a Service (SaaS)
- Deploy in hours not days
- No IT infrastructure investment required
- Low cost
- Continual investment in product development
- Unlimited technical support
- Over 12 years experience on a global project portfolio of over \$10 billion
- ISO27001 compliant
- Voted best collaboration solution 2011 and 2012 (Construction Computing Awards)



For a free consultation on how you can use 4Projects NEC3 Manager to streamline your contract management process, contact us today:

0845 330 9007

www.4projects.com | info@4projects.com

NEC CONTRACT MANAGEMENT

BENEFITS

- **Automated administration** - relieves administrative burden
- **Ensures compliance with contract** - key time scales managed
- **Improved control** - comprehensive control over all NEC Communications
- **Better integration** - full integration between main contract and sub-contracts etc.
- **Better risk management** - efficient capture and on-going management of risk
- **Improved visibility** - view the impact of changes to cost and time
- **More detailed reporting** - instant, accurate real-time reporting including 'Forecast Final'



FEATURES

- Supports production and effective management of the NEC3 risk register
- Facilitates comprehensive and compliant management of all contract communications
- Provides easy access to the contract data and works information
- Integrates with leading planning applications providing a real-time view of performance in terms of time and cost
- Includes project, programme and portfolio level management dashboards and reports
- Built-in licensed content, including guidance notes and workflow diagrams

USE TECHNOLOGY TO IMPROVE COMPLIANCE AND GOVERNANCE OVER THE NEC

Over the past 7 years, global provider of cloud software solutions to the plan-build-operate sector CONJECT has helped clients improve the management of NEC contractual engagements through their NEC Contract Management application. The application significantly reduces the administrative activities associated with the contract and provides real-time reporting on project/programme progress on a time and cost basis, as well as key project indicators. To date, the software solution has successfully supported the delivery of over £2bn of NEC projects, programmes and frameworks.

Building - ECC/ECS

Your Current Project

Commercial Manag

Money Matters

Administration

Site Settings

Project Global

Global Actions

Home

Dashboard

Find & View

Batch Publisher

File Publisher

Publish

Weekly Labour Return

Reports

Dashboard

NEC Contract Management

| Process | For Action | For Information | All |
|---------------------------------------|------------|-----------------|-----|
| (ECC) Compensation Event | 21 | 1 | 66 |
| (ECC) Compensation Event Quotation | | | 41 |
| (ECC) Contractors Communication | | | 12 |
| (ECC) Early Warning | 7 | 1 | 100 |
| (ECC) Forecast of Total Defined Cost | | | 2 |
| (ECC) Notification of Comp Event | | | 8 |
| (ECC) Notification of Defective Works | | | 2 |
| (ECC) PM Assessment of Amount Due | | | 1 |

Works Information

| Register Name | For Action |
|----------------|------------|
| Drawings | 23 |
| Minutes | |
| Photographs | |
| Programmes | |
| Specifications | |

"I would recommend that anyone working with NEC adopts the use of CONJECT's solution"

Mark Reid - Operations Director
[Mace](#)

"The system performed flawlessly, was value for money and a great tool to work with. We saved over £100,000 on administration costs alone by using Conject NEC Contract Management."

Peter Banks - Project Director
[Parsons Brinckerhoff](#)

"The automation, instantaneous accessibility and auditability make Conject NEC Contract Management a 'must-have' for any programme of this nature."

Matt Stoddart - Project Manager
[The Clarkson Alliance](#)

Back in 2006, CONJECT began working with early adopters of the NEC to see if they could design and develop a software solution to provide comprehensive support and management to project teams that use the NEC suite of contracts. By developing flexible contract templates and mapping out key processes within the software, the CONJECT team were able to build a ground breaking application which could be configured to manage and administer all NEC contracts, including the NEC3, ECC, ECS and PSC. The contract variations can be seamlessly dovetailed together so that the software can manage both upstream and downstream project communications. This flexibility makes the system a useful tool-set to both Project Managers and Contractors in helping them adhere to the specified NEC contract. In addition, the powerful process management functionality of NEC Contract Management ensures that the application can cater for all NEC options, z-clauses and any ad-hoc or bespoke contractual requirement. With all administration streamlined and automated, the application drastically reduces the amount of resource required to manage the NEC contracts and integrates all stakeholders with the specified tasks within a robust and fully auditable online environment.

SAFEGUARDING AGAINST SPIRALLING COSTS

As a result of CONJECT's vast experience of commercial management in the construction and engineering sector, NEC Contract Management features powerful reporting tools which provide real-time visibility of projects/programmes on a time and cost basis. By viewing the potential consequences of change within the management dashboard, NEC Contract Management provides commercial teams with vital business intelligence, helping them to improve decision making and reduce risk.

This commercial data isn't only of value to teams working on large scale construction contracts (using the NEC ECC contract). The system is particularly effective on programmes of work where there is a high frequency of smaller projects such as programmes of maintenance. Typically, such works are carried out using the NEC Term Service Contract. For instance, CONJECT client Cambridgeshire Highways use the software to manage over 40,000 separate works orders every year.

In addition, Conject NEC Contract Management can be seamlessly integrated with other Conject Project Control applications, such as Document Control. This option provides customers with the choice to associate all engineering data, such as designs and drawings, with the NEC tasks and workflows. This holistic approach offers customers a central and secure repository of all project information, including NEC data, which has significant value in ensuring that an effective audit trail and method of governance and compliance is in place.

The extent of the comprehensive and far-reaching capabilities of NEC Contract Management was recognised by NEC authors Thomas Telford in 2011. They reviewed the market of NEC3 software providers and decided to license CONJECT so that the application could include official NEC3 guidelines, flow charts and references, which all help improve the understanding stakeholders have of the contract.

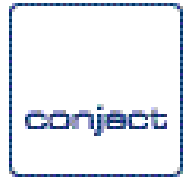


CONTACT DETAILS CONTRACT MANAGEMENT

CONJECT LTD
21-25 CHURCH ST WEST
WOKING | SURREY | GU21 6DJ
UK

www.conject.com





NEC3 effectively managed to help deliver new animal health research centre



Peter Banks, Commercial Director, Parsons Brinckerhoff:

"We saved over £100,000 on administration costs alone by using CONJECT. The system made it easy to follow the NEC3 and the reporting functionality proved to be very useful. The system performed flawlessly, was value for money and a great tool to work with."

Russell Moore, Project Manager, Parsons Brinckerhoff:

"CONJECT provided good support during the start up period. The principal contractor BAM enthusiastically embraced the system and soon lost their reserve about the contract form and its administration."

THE COMPANY

The Roslin Institute undertakes research focussed on the health and welfare of animals, and applications of basic animal sciences in human and veterinary medicine. The Institute has recently moved into its new home - a state-of-the-art research facility on the University of Edinburgh's Easter Bush Veterinary Campus. To ensure the project was constructed as planned, the client team engaged CONJECT to help implement a highly structured and auditable framework for managing contract communications and control project documentation.

BACKGROUND

In the spring of 2008, The Roslin Institute's chosen project managers, Parsons Brinckerhoff (PB), commenced the construction phase of the Institute's new world-class £60m animal health research facility.

The design of The Roslin Institute was inspired by the shape of a pair of chromosomes, with a rainbow progression of coloured panels that link offices with research laboratories. The three-storey building covers 14,000 square metres. Open-plan working spaces, with break-out areas, are designed to encourage collaboration between scientists from different disciplines. The building also contains an auditorium and meeting facilities.

A total of 500 scientists work at The Roslin Institute building, which received key funding from the Bio-technology and Biological Sciences Research Council (BBSRC) along with additional funding from the University of Edinburgh and the Scottish Agricultural College.

Research in the new building is aimed at improving the health and welfare of livestock animals and the sustainability of the livestock sector.

THE CHALLENGE

With client stakeholders based in the UK and on the west coast of North America, PB's Commercial Director, Peter Banks, recognised from the outset that robust information flows were critical to project success: "With drawings and designs being shared between client offices in different countries and time zones, I had my concerns about how people would share information and how we could ensure they would be working with the latest revisions."



SUMMARY

The project was completed on time and under budget with the final account being settled within 9 weeks of handover. When asked what influence CONJECT had on this successful outcome, Russell Moore stated: "Whilst I wouldn't say that CONJECT can claim full credit, it was certainly a contributory factor. CONJECT enabled a painless application of the NEC3 protocols which meant they were adhered to without resistance. All in all, an unqualified success."

In conjunction with the time zone difference across project team participants, the client had specified use of the NEC3 contract to underpin the delivery of the project; Peter Banks recognised further issues requiring pre-emptive action: "Previously I'd worked on a large scale NEC project in the aviation sector. In this instance with the volume of changes that took place, the level of contract administration became very prescriptive and time-consuming. It took a lot of maintenance to ensure we were complying with the specific terms and conditions of the contract."

The collaborative ethos of the NEC contract would demand the whole team to adopt a more open approach and apply a clear focus on meeting the strict response times for information provision, communications and decisions. He concluded the project should adopt a series of standard processes rolled out via a proven application platform.

IMPLEMENTATION

Peter Banks recommended to the client the appointment of CONJECT to help implement a robust set of processes to support the construction phase. His concerns were recognised and CONJECT was appointed soon after by Roslin Developments Limited.

Following CONJECT's appointment to the scheme in June 2008, CONJECT's implementation team worked with the project team to design and implement its web-based project control application to control project documentation, manage NEC3 contract communications and provide updates to all participants on information relevant to their specific roles and responsibilities.

CONJECT provided training to the project team to ensure that they were fully conversant with best practice, in order to utilise the application to manage project information and ensure adherence to prescribed NEC conditions and response rates.

INTERNATIONAL COLLABORATION


Over the first 6 months the system was used by 162 project participants. During the remaining two and a half years of construction, the number of unique users peaked at 266m, with regular monthly logins averaging in excess of 30,000.

With a third of user companies based overseas, when asked if CONJECT helped to resolve the distance and time factors that Peter Banks identified in 2008, Russell Moore, Project Manager at Parsons Brinckerhoff, said: "CONJECT enabled close collaboration of project team members working in London, Edinburgh, Princeton, Washington and San Francisco.

MANAGEMENT OF NEC3 COMMUNICATIONS

CONJECT's ability to map the NEC3 different contract forms, including Early Warning Notices, Compensation Events, Forecasts and Project Manager's Instructions, resulted in a high level of user adoption; in excess of 6,000 contract communications were initiated and concluded over the construction phase.



Please contact us if you would like more information:
+44 (0)1483 712620 | enquiries@conject.com |  @conject

Welcome to the **NEW** NEC3 April 2013 edition

Save time, save money, increase standards
and improve project outcomes with NEC3

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NEC3 April 2013 Edition box
set and PSSC today only!

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What's new inside the box?

- **NEW Professional Services Short Contract**
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- An excellent new series of how tos including: 'how to write the PSC scope'
- Construction Act amendments incorporated throughout
- New Project Bank Account provisions and clauses
- BIM protocol references
- New endorsements including: Government FM Category Board and The Association for Project Management.
- **LAUNCHING APRIL 2013, find out more at neccontract.com**

**NEW
INSIDE**



Also available to
purchase separately



For further information on any
aspect of the NEC contract

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