

Day 2 Wednesday 25 November

08:00 – 09:00	Registration, Refreshments and Exhibition	Hall 2 (exhibition area)
09:00 – 10:30	<p>Workshop 1.1 UK Power Networks (Electricity Distribution) <i>Room 3A (sponsored by Cyient)</i></p> <p>Sharing operational experience from deploying flexible distributed generation connections.</p>	> Sotiris Georgiopoulos, UK Power Networks
	<p>Breakout Session 1.2 Network Resilience (Electricity Distribution) <i>Room 1B (sponsored by GE)</i></p> <p>Minimising disruption to customers, reducing excavations, streetworks, time to reconnect, incident, severe weather preparedness and storms response.</p>	<ul style="list-style-type: none"> > Simon Brooke, Electricity North West (chair) > Geraldine Bryson, Electricity North West > Nicol Gray, SP Energy Networks > Nathan Coote, Scottish and Southern Energy Power Distribution
	<p>Breakout Session 1.3 Customer Engagement (Electricity Distribution) <i>Room 1C (sponsored by Kelvatek)</i></p> <p>Social obligations, demand side response, vulnerable customers, fuel poverty, community energy and energy efficiency.</p>	<ul style="list-style-type: none"> > Jim Cardwell, Northern Powergrid (chair) > James Bennett, Western Power Distribution > Steven Gough, Western Power Distribution > Andrew Park, SP Energy Networks
	<p>Breakout Session 1.4 Network Performance (Electricity Distribution) <i>Room 4A/B (sponsored by Siemens)</i></p> <p>Making more from existing assets and ensuring network safety.</p>	<ul style="list-style-type: none"> > Kevin Smith, SP Energy Networks (chair) > Alan Collinson, SP Energy Networks > Dave Miller, Northern Powergrid > Alistair Steele, Scottish and Southern Energy Power Distribution
	<p>Workshop 1.5 National Grid Electricity Transmission (Electricity Transmission) <i>Room 3B (sponsored by CGI)</i></p> <p>This session will discuss how NGET have implemented projects into business as usual. We will discuss the 'valley of death', where a company must fund their own project when NIA funding finishes and the complications this can cause. This interactive workshop will encourage you to share ideas and discuss your own examples when you may have had difficulty implementing a project and together, look at mitigating these.</p>	> John Zammit-Haber, National Grid Electricity Transmission
	<p>Breakout Session 1.6 Network Resilience (Electricity Transmission) <i>Room 11B (sponsored by SGN)</i></p> <p>Minimising disruption to customers, reducing excavations, streetworks, time to reconnect, incident, severe weather preparedness and storms response.</p>	<ul style="list-style-type: none"> > David MacLeman, Scottish and Southern Energy Power Distribution (chair) > Simon Marshall, Scottish and Southern Energy Power Distribution > Dominik Adamus, Transmission Capital Services > Priyanka Mohapatra, SP Energy Networks
	<p>Workshop 1.7 Energy Futures (Gas) <i>Room 12 (sponsored by Wales & West Utilities)</i></p> <p>How the gas networks are utilising innovation to confront the energy trilemma, addressing the challenges of decarbonisation of both heat and transport and facilitating the onset of the unconventional gas market.</p>	<ul style="list-style-type: none"> > Tony Nixon, National Grid Gas Distribution (chair) > Dan Sadler, Northern Gas Networks > Steve Edwards, Wales & West Utilities > Colin Thompson, SGN
	<p>Breakout Session 1.8 Big Data (Industry Crossover) <i>Room 11C (sponsored by Northern Gas Networks)</i></p> <p>Understanding the strengths and weaknesses of the available data and how these impact on a variety of modelling approaches. Also understanding the improvements analytics can provide over a wide area of the business.</p>	<ul style="list-style-type: none"> > Alec Breen, Northern Gas Networks (chair) > Nicola Evans, Wales & West Utilities > Matthew Watson, Western Power Distribution > Tony Pearson, Northern Gas Networks
10:30 – 11:00	Refreshments and Exhibition	Hall 2 (exhibition area)

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11:00 – 12:30	<p>Workshop 2.1 SP Energy Networks (Electricity Distribution) <i>Room 3A (sponsored by Cyient)</i></p> <p>Secondary substation communications – experiences of LNOs and vendors to draw conclusions on the solutions available.</p>	<ul style="list-style-type: none"> > John Kirkwood, SP Energy Networks
	<p>Breakout Session 2.2 Network Resilience (Electricity Distribution) <i>Room 1B (sponsored by GE)</i></p> <p>Minimising disruption to customers, reducing excavations, streetworks, time to reconnect, incident, severe weather preparedness and storms response.</p>	<ul style="list-style-type: none"> > Paul Jewell, Western Power Distribution (chair) > James Bennett, Western Power Distribution > Dan Randles, Electricity North West > Stevie Adams, Scottish and Southern Energy Power Distribution
	<p>Breakout Session 2.3 Customer Engagement (Electricity Distribution) <i>Room 1C (sponsored by Kelvatek)</i></p> <p>Social obligations, demand side response, vulnerable customers, fuel poverty, community energy and energy efficiency.</p>	<ul style="list-style-type: none"> > Nigel Bessant, Scottish and Southern Energy Power Distribution (chair) > Casey Bauchope, Scottish and Southern Energy Power Distribution > Lynne McDonald, UK Power Networks > Anne-Claire Leydier, Northern Powergrid
	<p>Breakout Session 2.4 Network Performance (Electricity Distribution) <i>Room 4A/B (sponsored by Siemens)</i></p> <p>Making more from existing assets and ensuring network safety.</p>	<ul style="list-style-type: none"> > Peter Lang, UK Power Networks (chair) > Paul Pretlove, UK Power Networks > Jonathan Berry, Western Power Distribution > Kevin Hoban, Electricity North West
	<p>Collaborative Workshop 2.5 Overhead Lines (Electricity Transmission) <i>Room 3B (sponsored by CGI)</i></p> <p>Developments in overhead lines.</p>	<ul style="list-style-type: none"> > Fraser Ainslie, SP Energy Networks
	<p>Breakout Session 2.6 Network Performance (Electricity Transmission) <i>Room 11B (sponsored by SGN)</i></p> <p>Making more from existing assets and ensuring network safety.</p>	<ul style="list-style-type: none"> > John Zammit-Haber, National Grid Electricity Transmission (chair) > Carl Johnstone, National Grid Electricity Transmission > Martin Lyster, Scottish and Southern Energy Power Distribution > Priyanka Mohapatra, SP Energy Networks
	<p>Workshop 2.7 Network Resilience (Gas) <i>Room 11C (sponsored by Northern Gas Networks)</i></p> <p>Developing technology that has the ability to minimise the impact on customers whilst reducing the number of excavations required. Also looking at how we can extend and manage the life of the assets through robotic technology and other innovative techniques.</p>	<ul style="list-style-type: none"> > Angus McIntosh, SGN (chair) > Sam Wilson, SGN > Richard Waime, National Grid Gas Transmission > Kirsty McDermott, National Grid Gas Transmission > Gordon Thompson, Northern Gas Networks > Simon Daniels, MACAW > Paul Breakey, Wales & West Utilities
	<p>Workshop 2.8 Connecting Renewables to the Gas Grids (Gas) <i>Room 12 (sponsored by Wales & West Utilities)</i></p> <p>Gas networks are facing challenges of connecting embedded gas for example AD and potentially shale. The gas and electricity networks are also becoming more linked as small, intermittent gas fired electricity generation connect to gas networks. This leads to challenges on network management, capacity, flexibility and storage. These challenges affect both transmission and distribution networks.</p>	<ul style="list-style-type: none"> > Kate Grant, National Grid Gas Distribution (chair) > James Abrahams, National Grid Gas Transmission > Bethan Winter, Wales & West Utilities > Lorna Millington, National Grid Gas Distribution > Alan Midwinter, SGN > Keith Warburton, Northern Gas Networks > Tony Nixon, National Grid Gas Distribution
12:30 – 13:30	Lunch and Exhibition	Hall 2 (exhibition area)
13:30 – 15:00	<p>Workshop 3.1 Western Power Distribution (Electricity Distribution) <i>Room 3A (sponsored by Cyient)</i></p> <p>Learning and experiences from innovation projects to date. Focus on learning of new and updated tools and technologies, centring on the improvements to power system analysis modelling capability. Understanding, advancements in real-time monitoring and experiences of using technologies for mitigation of fault level.</p>	<ul style="list-style-type: none"> > Jonathan Berry, Western Power Distribution

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13:30 – 15:00	<p>Breakout Session 3.2 Energy Futures (Electricity Distribution) <i>Room 1B (sponsored by GE)</i></p> <p>“A look over the horizon”, demand side response, non-synchronous generation, future of heat and transport (electrification) and energy storage.</p>	<ul style="list-style-type: none"> > Martin Wilcox, UK Power Networks (chair) > Tobi Babalola, UK Power Networks > Mark Dale, Western Power Distribution > Euan Norris, SP Energy Networks > Gideon Evans, Scottish and Southern Energy Power Distribution
	<p>Breakout Session 3.3 Evolution of a Future Energy Network (Electricity Distribution) <i>Room 1C (sponsored by Kelvatek)</i></p> <p>Minimising reinforcement, flexible networks, demand side response and energy efficiency.</p>	<ul style="list-style-type: none"> > Iain Miller, Northern Powergrid (chair) > Roger Hey, Western Power Distribution > Alex Howison, Scottish and Southern Energy Power Distribution > James Gooding, UK Power Networks
	<p>Breakout Session 3.4 Facilitating Low Carbon Energy and New Connections (Electricity Distribution) <i>Room 4A/B (sponsored by Siemens)</i></p> <p>Examining the commercial arrangements, dynamic ratings, active networks and new operating procedures as an alternative to conventional network reinforcement.</p>	<ul style="list-style-type: none"> > Stewart Reid, Scottish and Southern Energy Power Distribution (chair) > Charlie Edwards, Scottish and Southern Energy Power Distribution > Paul Turner, Electricity North West > Steven Gough, Western Power Distribution > Panos Papadopoulos, UK Power Networks
	<p>Workshop 3.5 Scottish and Southern Energy Power Distribution (Electricity Transmission) <i>Room 3B (sponsored by CGI)</i></p> <p>Faced with an ageing fleet in GB networks, transformer asset management has never been more important. This workshop will explore current trends and emerging innovative technologies to aid in cost effective asset management of deteriorating transformers. It will also share results from projects including ‘transformer intrascope’.</p>	<ul style="list-style-type: none"> > Tawanda Chitifa, Scottish and Southern Energy Power Distribution
	<p>Breakout Session 3.6 Energy Futures (Electricity Transmission) <i>Room 11C (sponsored by Northern Gas Networks)</i></p> <p>“A look over the horizon”, demand side response, non-synchronous generation, future of heat and transport (electrification) and energy storage.</p>	<ul style="list-style-type: none"> > Nigel Fox, National Grid Electricity Transmission (chair) > Ben Marshall, National Grid Electricity Transmission > Rhiannon Grey, National Grid Electricity Transmission > Fiona Irwin, Scottish and Southern Energy Power Distribution
	<p>Breakout Session 3.7 Customer Engagement (Gas) <i>Room 12 (sponsored by Wales & West Utilities)</i></p> <p>Sharing the latest network innovation projects that make a real difference in fulfilling our social obligations in serving our customers. This will include projects that will improve customer safety, customer experience before, during and after our works, customer engagement, planning and energy efficiency.</p>	<ul style="list-style-type: none"> > Mark Oliver, Wales & West Utilities (chair) > Leigh Page, National Grid Gas Distribution > Nigel Winnan, Wales & West Utilities > Quentin Mabbutt, National Grid Gas Transmission > Tom Bell, Northern Gas Networks
	<p>Breakout Session 3.8 Network Performance (Gas) <i>Room 11B (sponsored by SGN)</i></p> <p>Managing the transition of innovation projects into business as usual and looking at ways to extend the life of the existing assets. Also ensuring network safety and that procedures and policies are updated.</p>	<ul style="list-style-type: none"> > Martin Watson, National Grid Gas Transmission (chair) > Richard Williams, Abriox Limited (on behalf of SGN) > Paul Ogden, National Grid Gas Transmission > Greg Cranstoun, OptoSci (on behalf of the gas networks) > Chris Roberts, Sensit (on behalf of National Grid) > Dermot Finn, Nuflow (on behalf of the gas networks) > Richard Christopher, HTC (on behalf of the gas networks)
	15:00 – 17:00	Refreshments and Exhibition
18:30 – 19:00	Coaches depart the ACC Liverpool for the Liverpool Anglican Cathedral	
19:00 – 20:00	Pre-Dinner Drinks Reception Sponsored by SP Energy Networks (ticketed event) <i>Liverpool Anglican Cathedral</i>	
20:00 – 23:00	Conference Gala Dinner Sponsored by SP Energy Networks (ticketed event) After dinner speaker: Marcus Brigstocke <i>Liverpool Anglican Cathedral</i>	
23:00 – 23:30	Coaches depart Liverpool Anglican Cathedral for various hotels in Liverpool	