

Shallow Water... Deep Trouble II - What a difference a decade makes

Thursday 18 October 2018

Norwich City Football Club



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Time		Duration	Speaker	Organisation	Title
start	finish				
08:30	09:00	30	Register & coffee		
09:00	09:05	5	Simon Gray	EEEGR	Welcome
09:05	09:15	10	Mick Cook	SUT	Introduction and Chair of morning session
09:15	09:40	25	Andy Barwise	Innogy	Keynote speech. Offshore developments in Shallow Water - The Developer's Perspective
09:40	10:00	20	Paul Baggaley	Wessex Archaeology	Marine archaeology and geophysics: methodological advances during the last decade
10:00	10:20	20	Ian Reach	Marine Space	Environmental site investigation of marine aggregate dredging areas off Norfolk – a changing focus
10:20	10:30	10			Questions
10:30	11:00	30	Coffee break		
11:00	11:20	20	Justin Dix	University of Southampton	Substrate (Soil) controls on the Design, Installation and Lifetime Performance of HV Cables
11:20	11:40	20	Jim Pyrah	Deepocean	Recent experiences of cable burial in sandwaves
11:40	12:00	20	Lennart van Baalen	VBMS	Why do we really need site investigation for offshore cable burial?
12:00	12:10	10			Questions
12:10	13:10	60	Lunch break		
			Karen Dalton / Phil Durrant	SUT / EEEGR	Chairs of afternoon session
13:10	13:30	20	James Barr	Fugro	Developments in site investigation for coastal infrastructure
13:30	13:50	20	Eric Zon	Lankelma	Nearshore Geotechnical Investigations
13:50	14:10	20	Leo James	RPS	New Technologies in Geophysics and Survey specs
14:10	14:20	10			Questions
14:20	14:50	30	Tea break		
14:50	15:10	20	David Rushton	East Point Geo	Applied Sediment Mobility Assessment for Infrastructure Developments
15:10	15:30	20	Kevin Black		Characterising the metocean and seabed mobility regime in shallow waters: an integrated approach
15:30	15:50	20	Tony Dolphin	CEFAS	The introduction of small (< 7 kg) drones for intertidal research and monitoring
15:50	16:10	20	Tim Nixon	Fugro	Geophysics in the transition zone
16:10	16:20	10			Questions
16:20	16:30	10	Richard Salisbury		Summing up
16:30	17:30		Drinks reception and networking		

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unforeseen problems impacting a project.

Fugro understands the unique challenges of shallow water projects and has invested in the skills and technology to help clients complete developments safely, on time and on budget. As sponsor of the networking drinks reception at the Shallow Water Deep Trouble conference, we look forward to meeting the renewables services providers and developers, oil and gas operators, and other attendees involved in nearshore and shallow water operations who will be present.

Working with clients at stages from planning and feasibility, through construction to operation and decommissioning, we provide the insight and advice needed to comply with legislation, to predict site conditions before mobilisation and to minimise the risk of unforeseen problems impacting a project.

Whether a client's challenge is related to ports and harbours, pipelines or cables, or renewable energy, we have the experience and expertise to help bridge the gap between land and conventional offshore environments and provide services including:

- desk-based studies of environmental conditions, geological setting and geohazards
- real-time metocean measurements, monitoring and forecasting
- environmental studies
- geotechnical site investigations
- geophysical and UXO surveys
- environmental and geotechnical laboratory testing and analysis

With 50 years' experience in the North Sea, and locally based resources supported by more than 10,000 geoscience and engineering experts around the world, Fugro is well-placed to deliver geo-intelligence both locally and globally. We take the challenges of the shallow transition zone seriously and have won awards for innovative solutions including the walking jack-up platform WaveWalker 1, and the smaller FAB amphibious buggy which offers a step-change in productivity for shallow water geotechnical investigations.

We can deliver a fully integrated package of environmental, geospatial and geotechnical surveys, and significantly can also refine and combine large complex datasets to ensure that reports provide the clarity, insight and advice needed to advance with confidence.

Beyond the investigation stage we provide an engineering design and fabrication capability to meet some of the biggest marine challenges. Our expertise includes large diameter seabed drilling for foundations and shafts, pile installation, and support for inspection, repair and maintenance operations.



RPS is a worldwide independent consultancy, providing integrated technical, commercial, project management and training services. With over 30 years of international experience and a resource base of over 1,000 technical and commercial staff and associates, RPS can draw upon a wealth of global expertise and experience in oil and gas and renewables projects.

Uniquely, RPS can provide specialised advice across the complete hydrocarbon value chain: from Upstream E&R Midstream, Downstream Refining and Marketing, to Gas & Power. We have helped Ministries and NOCs to build their capabilities, prioritise their opportunities and implement their plans.

By combining technical and commercial expertise in geoscience and engineering with an extensive knowledge of environmental and safety issues, we help clients develop their energy resources by providing support across the complete asset life-cycle.

In the renewables sector RPS has extensive experience and provides services from surveys, site selection, planning, design, EIAs and permitting, HSE, engineering survey management, construction and O&M support. Our particular expertise is in offshore renewables and cables benefits from previous experience in the offshore oil and gas industry and our extensive experience of onshore planning. RPS has worked on over 150 renewable energy projects worldwide for over 50 clients, including developers, regulatory authorities and governments



Gardline, a wholly owned subsidiary of Royal Boskalis Westminster N.V., is a multidisciplinary marine survey company, providing a comprehensive range of marine services including geophysical, hydrographic, geotechnical, geochemical and environmental surveys.

Established in 1969 in Great Yarmouth, Gardline has grown to become one of the world's largest marine survey companies. Gardline's services are delivered across industry sectors with an interest in the marine environment, including oil and gas and offshore renewables. Gardline has a proven track record of working with our clients, helping to ensure projects are delivered safely, without incident or impact on the environment, on time, on budget and to the highest industry standards.



Lankelma has completed a number of high-profile nearshore marine investigation projects worldwide, using our expertise in geotechnical drilling, borehole testing and CPT techniques in a range of marine environments, from the surf zone to 20m water depth. We own a wide range of marine drilling and CPT equipment, including the Wilson-APB wireline CPT system. This

equipment, along with Sandpiper, our Combifloat C5 jack-up platform, can be operated by Lankelma staff anywhere in the world



MarineSpace has a long history of using shallow water geophysical and geotechnical data to support environmental assessments. Much of this has been off the East Anglian coast with the marine aggregate dredging industry, but more recently offshore wind, associated cables and oil and gas developments. MarineSpace is therefore pleased to support this shallow water conference discussing recent advances across industry sectors.