

T&D Programme

DELEGATES MUST BE ON SITE TO RESERVE A PLACE.

⚠ Arrive early if you wish to attend morning workshops.

**FREE
TO ATTEND**

Book at the
T&D Bureau

TUESDAY 04 APRIL		DOCKSIDE		VESSEL	CLASSROOMS	LEVEL 1	LEVEL 4		TUESDAY 04 APRIL 2017				
	Test Tank	Dockside 1	Dockside 2	Bill Conway	Students Centre Rm 121/05		Students Centre Rm 121/11	Ray Beverton Rm 044/11	John Swallow Rm 054/06	Node Rm 1 064/03	Node Rm 2 074/02	Access Grid Rm 124/14	
09.30 -10.30	develogic Compact Gateway Buoy - a small and easy to deploy satellite telemetry gateway buoy with acoustic and inductive subsea communication.		Seafloor Systems EchoBoat-ASV: 2-man portable, customisable vehicle, featuring multibeam sonar integrated with INS/GNSS and real-time SVP. Speed to 10 knots.	Ping DSP / Geometius 3DSS-DX-450 swath bathymetry 3D sidescan sonar and software.	Kongsberg Maritime Latest updates for survey apocs; the next generation seaglider; Eelume - Swimming robot for subsea		RTSYS Innovation in passive acoustics monitoring devices with embedded processing capabilities.	NKE Instrumentation NOSS underwater sensor measures in-situ refractive index, pressure, temperature and seawater density.	Teledyne SeaBotix Archaeological work using ROVs with data collected with NOAA.	NETmc Marine Training on E-Inspect, their "inspection point" based package and integrated video acquisition hardware.	AXYS Technologies AXYS-APS: a cloud-based geoportal to improve accuracy of weather forecasting for offshore operations.	HYPACK, a Xylem brand HYPACK 2017: what's new?	09.30 -10.30
11.00 -12.00	Tritech International Demonstrating their range of mechanical and multibeam sonars to show the difference in resolution between the different models.	Teledyne - Oceanscience / Odom Hydrographic The ruggedised, portable Z-Boat 1800RP ASV with Odom MB2 multibeam echosounder.	Maritime Robotics The otter with integrated multibeam echosounder will be dem	Xylem Analytics Sontek Hydrosurveyor and HYPACK demonstration.	R2Sonic Multibeam training session: Optimising use of R2Sonic system functionality and advancements.		INNOMAR Technologies SES-2000 parametric sub-bottom profilers.	Sea-Bird Scientific Latest developments in ocean pH technology.	Teledyne Marine Integrated success at 6000m - detailed overview of their collaborative and industry leading solution for deep tow applications.	Sonardyne International Underwater mobile mapping; exploring the possibilities for this dynamic technology.	Cefas Data Storage Tags: their scientific origin, development and applications.	Wish Software VisualGIS Server: VisualSoft digital video with ESRI ArcGIS in the Browser.	11.00 -12.00
12.30 -13.30	Outland Technology Inspection ROV demonstration.	Seafloor Systems EchoBoat-ASV: 2-man portable, customisable vehicle, featuring multibeam sonar integrated with INS/GNSS and real-time SVP. Speed to 10 knots.		Ping DSP / Geometius 3DSS-DX-450 swath bathymetry 3D sidescan sonar and software.	EdgeTech Latest sonar and acoustic technology.		Teledyne RESON Multibeam sonar configuration minimising processing time and making better use of resources.	Aquatec Group The latest suspended sediment instrumentation from Aquatec.	BluHaptic Using Telerobotics software to deliver on the Lean Promise in subsea operations.	RS Aqua Demonstrating the WaveView Connect software for wave data processing and display.	Prevco Subsea Housing design and portable vacuum leak test kits.	Foreshore Technology Dredge Master software for advance monitoring solutions.	12.30 -13.30
14.00 -15.00	Saab Seaeye ROV demonstration.	Chelsea Technologies Group Fluorometric Systems for real-time monitoring of Algae, organics, hydrocarbon and sewage.	Kongsberg Maritime Kongsberg GeoSwath multibeam system installed on remote controlled vessel.		C-MAX Ltd The CM2 sidescan sonar system.		develogic Subsea observatories with real-time data communication: acoustic, inductive, optical and pop-up telemetry.	Teledyne RD Instruments Case studies highlighting the Sentinel V ADCPs and the new direct read and moving boat options.	Planet Ocean ecoSUB - democratising AUV technology; Introduction to the ecoSUB range of innovative, low cost micro AUV's.	Xylem Analytics Systems and solutions.	Xsens Technologies Attitude & Heading reference systems - techniques to compensate for magnetic field distortions.	QPS Acquire-process-visualise-share. Learn how to get the most from QPS products and solutions.	14.00 -15.00
15.30 -16.30	Teledyne - SeaBotix See the power of the SeaBotix vLBC tracked crawler. The unique, patented VRAM attractor produces 28 kgf of attractive force.	Swathe Services CEE Hydrosystems team up with Swathe Services to introduce a new USV.			KNUDSEN Sounder and Chirp series echosounders, pinger sub-bottom profiler, and 320N Naval fleet echosounder.		Valeport Presenting Valeport's new software platforms.	Sea-Bird Scientific Latest advances in fluorescence and backscattering sensor technology.	SWARMS Smart and networking underwater robots in cooperation meshes.	Datawell Measuring air temperature with a Directional Waverider DWR4.	Star-Oddi Miniature data loggers measuring temperature, depth, salinity, tilt and more.	Teledyne CARIS Find out about the latest trends and developments in data processing, management and analysis tools.	15.30 -16.30
17.00 -18.00	VideoRay Demonstrating next generation ROV technology from VideoRay - The Mission Specialist Series.	Teledyne - SeaBotix / BlueView SeaBotix vLBV ROV and BlueView M900-2250 sonar now integrated with new SmartFlight 2.0 powered by Greensea.			Teledyne Benthos A deep dive into the features and operation of the new UTS-9400 for use with Teledyne Benthos acoustic releases and modems.			EIVA ToughBoy wave buoy: collecting and storing data - including wave sensor and remote configuration and monitoring.		Teledyne RESON / BlueView / Odom Selection guideline for multibeam echosounders and forward sonars.	Ocean Sonics Introducing the new digital hydrophone array		17.00 -18.00

NOC Engineering & Testing Services and Calibration Facility Tours
between 14.00 - 16.00
Visit Stand W11

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WEDNESDAY 05 APRIL		DOCKSIDE		VESSEL	CLASSROOMS	LEVEL 1	LEVEL 4		WEDNESDAY 05 APRIL 2017			
	Test Tank	Dockside 1	Dockside 2	Bill Conway	Students Centre Rm 121/05	Students Centre Rm 121/11	Ray Beverton Rm 044/11	John Swallow Rm 054/06	Node Rm 1 064/03	Node Rm 2 074/02	Access Grid Rm 124/14	
0900 -1000	Saab Seaeye ROV demonstration.	RBR Demonstrating their inductive mooring line modem and WiFi enabled loggers with cast detection.	Seafloor Systems EchoBoat-ASV: 2-man portable, customisable vehicle, featuring multibeam sonar integrated with INS/GNSS and real-time SVP. Speed to 10 knots.	Ping DSP / Geometius 3DSS-DX-450 swath bathymetry 3D sidescan sonar and software.	Subsea Technology & Rentals STR SeaSpyder and Associated Products and Services. The use of an underwater drop camera system for marine and environmental surveys.	Liquid Robotics The Digital Ocean - USVs connecting sea to sky to shore to enable the ocean economy.	Aanderaa, a Xylem brand Ocean in motion - introducing the MOTUS wave buoys		Teledyne PDS / BlueView / Gavia A joint project between PDS/Blueview/Gavia.	Teledyne OceanScience Case studies of the new rapidCAST™ underway profiling system and Underway SV / CTD.	DECO Geophysical HR seismic processing in RadExPro software, including demultiple and SharpSeis deghosting.	0900 -1000
1030 -1130	OceanModules Unique ROV-concept the V8 M500 and its unique capabilities.	Rockland Scientific (OceanScan - MST) Demonstrating the LAMTOV - Light Autonomous Microstructure Turbulence Observation Vehicle.	Ocean Sonics Introducing the new digital hydrophone array.	Xylem Analytics Sontek Hydrosurveyor and HYPACK demonstration.	Ping DSP / Geometius 3DSS-DX-450 swath bathymetry 3D sidescan sonar and software.	RTSYS Training session for representatives.	Aanderaa, a Xylem brand Ocean in motion - introducing the MOTUS wave buoys	Teledyne SeaBotix Fly-out system - ROV fly-out applications for USVs and manned submersibles and other subsea vehicles.	Teledyne RD Instruments Case studies on the power of their DVLs and an overview of latest technology advancements.	RIEGL - Laser Measurement Systems An update on their shipborne, airborne and UAV-borne topobathymetric solutions.	QPS Acquire-process-visualise-share. QPS products and solutions for hydrography.	1030 -1130
1200 -1300	Teledyne - BlueView Experience the tripod mounted BV5000-1350. The 3D mechanical sonar creates high resolution 3D imagery of underwater structures.	ASV Global The C-Worker 5 Autonomous Surface Vehicle demonstrating real offshore survey and subsea positioning capabilities.	Maritime Robotics The otter with integrated multibeam echosounder will be demonstrated in the dock.	Ping DSP / Geometius 3DSS-DX-450 swath bathymetry 3D sidescan sonar and software.	MMT Geophysical, geotechnical, environmental, UXO and advanced ROV surveying.	Teledyne RESON ParaSound sub-bottom profiler case studies in search for deep water resources.	Chelsea Technologies Group Water quality monitors for ballast water treatment, exhaust gas cleaning systems and ferryboxes.	Swathe Services Fully Automated MBES patch test calculator and cleaning validating software.	EIVA ScanFish ROTV and NaviSuite software: UXO and oceanographic surveys, including horizontal/vertical control of ROTV.	AML Oceanographic An introduction to new products, features, services, and training on the latest version of AML's SeaCast software.	HELZEL Messtechnik Reliable metocean data in real-time for coastal management.	1200 -1300
1330 -1430	Aquatec Group Demonstrating the AQUAmodem Op1L lightweight optical modem for subsea data download, command and control.	PROAMBIENTE Consortium An innovation USV-class for shallow and ultra-shallow water geophysical and environmental monitoring.	Swathe Services CEE Hydrosystems team up with Swathe Services to introduce a new USV.	Chesapeake SonarWiz demonstration using Kongsberg's PulSAR sidescan sonar. Join us for this demo and see the new SonarWiz features in action.	GBT Offshore MBES theory - NORBIT, case study and training.	Teledyne CARIS Find out about the latest trends and developments in data processing, management and analysis tools.	Sea-Bird Scientific Continuous monitoring with autonomous nutrient sensors.	SeeByte Software demonstration on monitoring and planning missions for multiple AUVs using a single control station.	Hemisphere GNSS / Saderet Presenting "Atlas" 10cm accuracy global L-band satellite navigation network for offshore surveys.	Teledyne Webb Research SFMC Software: introduction and training for their new web-based piloting and viewing tool.	HYPACK, a Xylem brand HYPACK and HYSWEEP: using the software for AUV, ASV and UAV.	1330 -1430
1500 -1600	develogic Modular seafloor lander with integrated microprofiler - sampling of current, conductivity and O ₂ data at multiple levels above the seafloor.	Teledyne - Benthos / SeaBotix Live demo of SeaBotix vLBV outfitted with Benthos new Trackit USBL system.	Kongsberg Maritime Kongsberg GeoSwath multibeam system installed on remote controlled vessel.		Falmouth Scientific Low frequency and CHIRP sub-bottom profiling systems and transducers.	Wartsila ELAC Nautik Multibeam systems with high- resolution water column imaging capabilities.	RBR New product and features: small pressure and temperature logger, WiFi, cast detection and more.	Teledyne Gavia / Webb Research Noteworthy operational results from customer projects and trials in 2016.	Advanced Navigation Cost effective next generation inertial navigation for live streaming and post-processed applications.	Datawell Measuring air temperature with a Directional Waverider DWR4.	OceanWise Port-Log: latest developments in environmental data sharing and publishing.	1500 -1600
1630 -1730	Outland Technology Inspection ROV demonstration.	Seafloor Systems EchoBoat-ASV: 2-man portable, customisable vehicle, featuring multibeam sonar integrated with INS/GNSS and real-time SVP. Speed to 10 knots.			EvoLogics Underwater acoustic communication and positioning.	Tritech International Tritech's mechanical and multibeam sonars.	Sea-Bird Scientific The expanding capabilities of Navis biogeochemical profiling floats.	Teledyne Webb Research Exciting new applications for the APEX advanced multi-sensor profiling floats.	SBG Systems Innovative MEMS inertial navigation systems.	Sonardyne International Equipping your robotic vehicle platforms to deliver the data you need.	Wish Software Product update: latest development on suite of Wish Software products.	1630 -1730

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THURSDAY 06 APRIL		DOCKSIDE		VESSEL	CLASSROOMS	LEVEL 1	LEVEL 4					THURSDAY 06 APRIL 2017	
	Test Tank	Dockside 1	Dockside 2	Bill Conway	Students Centre Rm 121/05		Students Centre Rm 121/11	Ray Beverton Rm 044/11	John Swallow Rm 054/06	Node Rm 1 064/03	Node Rm 2 074/02	Access Grid Rm 124/14	
0900 -1000	OceanModules Unique ROV-concept the V8 M500 and its unique capabilities.	Teledyne Oceanscience Shallow and coastal water survey made easy. The new Z-Boat RP with Odom MB2 multibeam echosounder.	Maritime Robotics The otter with integrated multibeam echosounder will be demonstrated in the dock.		Chesapeake SonarWiz - Learn how to use this intuitive software to make your sidescan, sub-bottom, bathymetry and magnetometer data acquisition and processing easier and even more efficient.		Kongsberg Maritime Latest updates for survey apocs; the next generation seaglider; Eelume - Swimming robot for subsea.	Teledyne Marine Complete electrical, fiber optic and hybrid solutions for reliable power and data transmission.	Seafloor Systems Presenting the autonomous multibeam survey data, taken from the previous days' trials.	Datawell Measuring air temperature with a Directional Waverider DWR4.	SBG Systems Innovative MEMS inertial navigation systems.	EIVA NaviSuite software: latest possibilities for data acquisition / processing.	0900 -1000
1030 -1130	Outland Technology Inspection ROV demonstrating.	Swathe Services CEE Hydrosystems team up with Swathe Services to introduce a new USV.	Kongsberg Maritime Kongsberg GeoSwath multibeam system installed on remote controlled vessel.		Teledyne Benthos Detailed overview of Teledyne Benthos new USBL system for shallow water vehicle applications.		Wartsila ELAC Nautik New developments for Wartsila ELAC SeaBeam multibeam echo sounders.	Sea-Bird Scientific Real-time data moorings using inductive modem communications.	Teledyne Webb Research G3 Slocum Glider: overview of their new design and latest innovative glider applications.	Turner Designs AquaFlash handheld active fluorometer: providing total chlorophyll and photosynthetic efficiency.	Advanced Navigation Subsonus, a tightly acoustic-inertial navigation system capable of replacing FOG technology at a third of the cost.	Geosoft Showcasing the latest version of Oasis montaj and UXO marine software.	1030 -1130
1200 -1300	develogic Compact seafloor lander combined with pop-up data ferries with Iridium data transmission.	PROAMBIENTE Consortium An innovation USV-class for shallow and ultra-shallow water geophysical and environmental monitoring.			Teledyne Benthos Detailed case studies depicting how Teledyne Benthos A-Comms / Positioning are aiding industry leading UUV technology.		Fugro Marine site characterisation and marine asset integrity.	Teledyne TSS Meet the Saturn-INS and learn about advancements within their pipetracker development.	Rockland Scientific (OceanScan - MST) Turbulence data collected with the LAMTOV AUV, processing and analysis.	Moorings Systems Oceanographic mooring buoy and bottom mount design tips (mooring 'Know how').	Teledyne PDS / BlueView MotionScan - a 3D scanning surface vessel sonar for monitoring and inspecting in shallow areas.	QPS Acquire-process-visualise-share. QPS products and solutions for offshore renewables.	1200 -1300
1330 -1430	VideoRay Demonstrating next generation ROV technology from VideoRay - The Mission Specialist Series.	Deep Trekker Mini-remotely operated vehicles. Deep Trekker ROVs are 100% portable.			INNOMAR Technologies INNOMAR SES-2000 parametric sub-bottom profilers.		Blue Ocean Monitoring The story so far.	Impact Subsea A technical overview of the ISA500, ISD4000 and their latest sensor products.	Sonardyne International Sustained ocean observations; transforming your capability, extending your endurance.	TCarta Marine Demonstrating a new satellite derived bathymetric global dataset.	Teledyne PDS / BlueView PDS/Blueview FLS integration during dredging. Case study with Peter Madsen dredging company.	Wish Software AutoChart: alignment sheet generation comes to ArcGIS, AutoCAD and Microstation.	1330 -1430
1500 -1600	Saab Seaeye ROV demonstration.	Chelsea Technologies Group Primary Productivity measurements using the FastOcean & Act2 for probing phytoplankton photosynthesis.			Maritime Robotics The otter with integrated multibeam echosounder will be demonstrated.		RTSYS In-situ acoustics sediment characterisation for geophysics and multibeam-sonar calibration.	Sea-Bird Scientific Sea-Bird Scientific's new multi-parameter (CTD, DO, pH, turbidity/chlorophyll) instrument.	ASV Global How to execute advanced autonomous operations at sea.	EOMAP Rapid, affordable and remote: Filling shallow water and coastal data gaps with integrated satellite solutions.	Teledyne BlueView A 360 degree tunnel profiler, for critical inspection deliverables in tunnels.	HYPACK, a Xylem brand HYPACK SonTek HSM9 and CastAway integration, collection and processing.	1500 -1600