

# VIRTUAL CONFERENCE WORKSHOP

## HOW DIGITALIZATION IS CHANGING OUR WORLD OF OFFSHORE AND MARITIME PROJECT DELIVERY, OPERATIONS AND LIFE EXTENSION.

SESSION	TIME	TOPIC	TITLE	SPEAKER
<b>A.1. OPENING</b> KEYNOTES: STRATEGIC VIEW OF THE FUTURE			LEADER'S VIEW OF THE FUTURE AND THE POTENTIAL FOR 'DIGITALIZATION':	
<b>Monday Aug 3rd</b>	DAY1 9:00 to 11:10 EDT		<b>OVERALL CONFERENCE PLENARY SESSION</b>	<b>David Lane, Alana Duerr and Thomas Chance</b>
	DAY1 11:10 to 11:50 EDT (New York) 17:10 to 17:50 CENTRAL EUROPE TIME (Paris, ..)	MARINE	Knowing What to Plan and Build Infrastructure For (part of the General Plenary Session)	Thomas Chance, Founder of C&C Technologies and ASV Global
	DAY1 11:50 to 12:20 EDT 17:50 to 18:20 CENTRAL EUROPE TIME (Paris, Amsterdam)	SHIPPING	Continuing the Significant Advances on the High Seas	Dr.Xiaozhi (Christina) Wang, VP Digital Solutions, ABS
<b>A.2</b> SUMMARY/PANEL FOR FAR EAST Monday Aug 3rd Americas; Tuesday Aug 4th Singapore, Shanghai, Tokyo, Seoul, Perth, Melbourne .....	DAY 1: 21:00 to 22:30 EDT; e.g. 9:00 Singapore, following day		Pre-Recorded Keynote Presentations AVAILABLE for VIEWING -- "Conclusion" Slides Presented by Chairman and Q&A Session follows Keynote Speakers Attend as Possible	

<b>B.1. DELIVERING MAJOR OFFSHORE FACILITIES: Design, Fabrication, Installation</b>		<b>Offshore Facilities: REVOLUTIONS IN DELIVERY to OPERATIONS</b>	EXCEEDING OTHER INDUSTRIES: How to push the Offshore Industry to Efficiencies and Environmental Sensitivities Rivaling other Industries (like Manufacturing).	CO-CHAIR: Todd Carrico (SBM)
<b>Tuesday Aug 4th</b>	DAY2 10:00 to 13:00 EDT (New York) 16:00 to 19:00 CENTRAL EUROPE TIME (Paris, Amsterdam)		BRIEF OPENING REMARKS FROM CHAIR SETTING EXPECTATIONS for the SESSION	INDUSTRY LEADER John O'Brien Chevron
		1) MAJOR CONSTRUCTION DELIVERY AND VALUE ADDED APPLICATION	PRACTITIONERS: Practical Applications of "Digitization" to add value in Construction and Commissioning from a Practitioners Point of View	Kelly Bowen Retired Shell
		2) THE CHANGING DELIVERY IN MAJOR SHIPYARDS	MAJOR SHIPYARDS: Advances in standardization, automation, Vendor tracking, 4D, 5D and Commissioning in Major Shipyards ---	Sirock Yoon, SHI
		4)INDUSTRIALIZATION IN THE OFFHORE WIND INDUSTRY	BUILDING 100s of IDENTICAL FLOATING UNITS: How Digitalization will be key in the effort to industrialize project constructions taking the example of the offshore wind industry	Maria Bulakh, Aker Solutions and Francois Laborie, Cognite
		5) LINKAGE OF OPERATING UNITS	Digitalization in FPSOs by connecting 9 FPSOs (8 in Brazil, 1 in WoA) with 10,000+ sensors in each to a Microsoft cloud platform. Data and generating AI models.	Nicholas Wills, Modec Group
		SESSION SUMMARY & OPPORTUNITIES and CHALLENGES lead by Industry Leader John O'Brien		
<b>B.2 SUMMARY/PANEL FOR FAR EAST</b> Tuesday Aug 4th Americas; Wednesday Aug 5th Singapore, Shanghai, Tokyo, Seoul, Perth, .....	DAY 2: 21:00 to 22:30 Americas Central Time; e.g. 9h00 Singapore, following day	Pre-Recorded Presentations AVAILABLE for VIEWING -- "Conclusion" Slides Presented by Chairman and Q&A Session follows Session <b>B.1</b> Speakers Attend as Possible		

<b>C.1 MAJOR OFFSHORE FACILITIES: Unmanned Facilities and Life Extension</b>		<b>OFFSHORE REVOLUTIONS IN SUBSEA and UNMANNED FACILITIES</b>	Offshore Subsea has achieved Impressive Advances on Placing Massive Facilities on the Sea Floor. Opportunities in Continuing the advancements in Unmanned Facilities, Major Subsea Facilities , and Associated Support Strategies and Operations . Associated Challenges in support operations and technologies.	CHAIR: INVITED CO-CHAIR: Soma Marojin (BMT Global)
<b>Wednesday Aug 5th</b>	DAY3 10:00 to 13:00 EDT (New York) 16:00 to 19:00 CENTRAL EUROPE TIME (Paris, Amsterdam)		BRIEF OPENING REMARKS FROM CHAIR SETTING EXPECTATIONS for the SESSION	INDUSTRY LEADER Kjetil Skaugset
		1) The Final Frontier in Remotely Operated Subsea	SUBSEA : "Intelligent Subsea" initiative	Jonah Margulis, Aker Solutions, Country Manager, North America
		2) Unmanned Facilities in the North Sea	SHELL's Successes in Unmanned Fixed Platforms in the North Sea : Paving the way for Deepwater Floaters	Ian Cook, N.Sea Operations, Shell
		3) Digitalization Breakthroughs in Interventions / Maintenance	benefits of Kongsberg's Digital Twin to enable unmanned offshore facilities <a href="https://www.kongsberg.com/digital/solutions/dynamic-digital-twin/equinor-feasibility-study/">https://www.kongsberg.com/digital/solutions/dynamic-digital-twin/equinor-feasibility-study/</a>	Olivier Cadet President of KM (USA)
		4) Automated Wind Facilities	DELIVERING REMOTELY OPERATED FACILITIES: Offshore Wind as Leaders in Delivery of Unmanned Floaters; Using digitalization to remotely control units, maximize energy production; Remote monitoring and inspection management.	Alexia Aubault - Ocergy
		5) Breakthroughs in Autonomous Vehicles	SUPPORT TECHNOLOGIES: Breakthroughs in Robotics; Monitoring; Inspection; Repairs and Underwater Autonomous Vehicles	Prof. David Lane Heriot-Watt, UK
			SESSION SUMMARY & OPPORTUNITIES by Industry Leader Kjetil Skaugset	
<b>C.2 SUMMARY/PANEL FOR FAR EAST</b> Wed Aug 4th Americas; Thursday Aug 5th Singapore, Shanghai, Tokyo, Seoul, Perth, Melbourne ...	DAY 3: 21:00 to 22:30 Americas Central Time; e.g. 9h00 Singapore, following day	Pre-Recorded Presentations AVAILABLE for VIEWING -- "Conclusion" Slides Presented by Chairman and Q&A Session follows <b>C.1</b> Speakers Attend as Possible		

<b>D.1 THE POTENTIAL FOR 'DIGITAL TWINS'</b>		The use of "digital twins"; can enable fundamental changes in the nature of shipping to improve safety, environment, effectiveness, compliance, and risk management. STRUCTURED DISCUSSION WITH EACH SPEAKER ADDRESSING SUB-TOPICS; RECORDED	CHAIR/INDUSTRY LEADER: Jose Esteve, Bureau Veritas CO-CHAIR: Peter Wallace	
<b>Thursday Aug 6th</b>	DAY4 10:00 to 13:00 EDT (New York) 16:00 to 19:00 CENTRAL EUROPE TIME (Paris, Amsterdam)		BRIEF OPENING REMARKS FROM INVITED CHAIR SETTING EXPECTATIONS for the SESSION;	INDUSTRY LEADER Jose Esteve, Bureau Veritas Project Director.
		1) Building and Using Digital Twins	Digital twins should be built in a collaboratively between the SMEs, users, and data engineers.	Brad Raabis, VP, Pipeline Enterprise
		2) Digital Twins and Class and Regulatory Compliance	Digital twins are tools for advancing the use of functional or goal-based standards for Class and IMO (Flag State) compliance in design and operation..	Dan Cronin , ABS
		3) Digital Twins—Use in the Real World, Pt. I Operations	The operator, ship, and digital twin will evolve during the life to the ship and the organization.	Mark Waller, MD Proceanic
		4) Digital Twins—Use in the Real World Pt. II, Design and Construction.	Shipyards and OEMs are increasingly asked to provide more organized and structured data and information at delivery. Shipyards typically use powerful design systems that are tied into design, ERP, and MRP systems.	Torkel Soma, Propel Sayfr
		5) GENERAL TOPICS	additional assigned topics	
			SPEAKER PANEL INTERACTIVE DISCUSSION, SESSION SUMMARY & OPPORTUNITIES by Ext CHAIR Jose Esteve	

<b>D.2 SUMMARY/PANEL FOR FAR EAST</b> Thursday Aug. 6th Americas; Friday Aug 7th Singapore, Shanghai, Tokyo, Seoul, Perth ...etc	DAY 4: 21:00 to 22:30 Americas Central Time; e.g. 9h00 Singapore, following day	Pre-Recorded 'Structured Discussion' AVAILABLE for VIEWING -- "Conclusion" Slides Presented by Chairman and Q&A Session follows Session D.1 Speakers Attend as Possible
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