

International Association of Drilling Contractors



IADC Advanced Rig Technology (ART) Committee
09.30-11.30 Tuesday, 31 January 2023
Hybrid meeting
IADC HQ, 3657 Briarpark Dr Ste 200
Houston, TX 77042

Minutes

Outgoing IADC Advanced Rig Technology Committee Chair Assaad Mohanna, ERM, introduced new ART Co-Chairs Blaine Dow, SLB, and Sarah Kern, H&P. They opened the meeting and welcomed the attendees and presented Mr Mohanna with a Chairman's Plaque recognizing his service to the ART Committee. IADC's Linda Hsieh gave an overview of the [IADC antitrust policy](#).

- ART Committee updates:
 - Dull Bit Grading Project, Robert van Kuilenburg and Paul Pastusek, ExxonMobil: Draft document has been sent to IADC team for formatting while workgroup addresses a few remaining code revisions for the bits section; document also drafted for BHAs section but still need to do testing. Also need to think about how to address training requirements as new codes are rolled out; some training will be needed to get consistent grading.
 - Energy Efficiency Subcommittee, Konstantin Puskarskij, Noble, and Mike Party, Hess: Draft document of Emissions Reduction RP for Drilling Operations is ready to share within ART Committee for feedback; Emissions Forecasting and Reporting workgroup a bit behind, but remains focused on looking at emissions at a granular level of detail that will enable fuel efficiency in drilling; more volunteers would be welcome – please contact IADC (linda.hsieh@iadc.org)
 - Data, Controls and Sensors Subcommittee, Nathan Morales, BP, and Andy Westlake, Seadrill: DCS Subcommittee seeks to work with SPE DSATS Human Factors group to look at human factors engineering, humans in the loop and automation complacency. Project proposal being drafted by a DSATS consultant. More volunteers also needed to finish Guidelines for Minimum Safety Features for Drilling Control Systems and Assets.
- Guest speakers:
 - Katherine Warren, ERM: Emissions Reduction and Sustainability (slides not available). Ms Warren provided an overview of the 3 greenhouse gas scopes, drilling industry GHG emissions sources and reporting examples, and presented a case study on climate and carbon risk with the NextDecade LNG project.

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- Mia Emborg, Technical University of Denmark: Bottom-up Scope 3 Assessment of Drilling Operations – How to Attack Indirect Emissions Strategically and Setting Industry Benchmarks (see attached slides)

The meeting was adjourned at 11:30am.

Attendance:

Alan R	Martin Kershman, Teqnisolutions
Alex Ngan, Weatherford	Mathias Taksdal, Esgian
Andrew Calderwood, Stena Drilling	Melissa Eudy, Mi4
Andy Westlake, Seadrill	Mia Emborg, Maersk Oil & Gas
Assaad Mohanna, ERM	Michael Edwards, Edwards Energy Innovation
Ben Cole, Seadrill	Mike Party, Hess
Blaine Dow, SLB	Nathan Morales, BP
Blake Burns, Diamond Offshore	Paul Pastusek, ExxonMobil
Calvin Carter, MI Swaco	Pedro Costa, Petrobras
Carter Miller, HDI Instruments	Pedro Viveiros, Petrobras
Cody MacDonald	Pradeep Anaiyappa, Nabors
Craig Colby, Diamond Offshore	Robert van Kuilenburg, Noble
Dan Gudall, MHWIRTH	Robert Silva, Amerimex Motor & Controls
Dustin Lyles, Taurex Drill Bits	Robert Wylie, xnDrilling
Erwin van den Berg, GustoMSC	Roger David Marin Martinez, Halliburton
Graeme Craigon, NOV	Sarah Kern, H&P
Greg Myers, HMM	Scott Rypstra, Beyond Energy
Jacob Wheeler, Chevron	Sean Emery, Trax Electronics
John Dady, Seadrill	Sean Roach, SLB
John de Wardt, DE WARDT & COMPANY	Taylor Berry
John Sutler, BP	Tony Eschete, Caterpillar
Kalyan Singamshetty, ConocoPhillips	Trevor Braswell, Pason Systems
Katherine Warren, ERM	
Konstantin Puskarskij, Noble	
Lee Womble, SLB	

Leslie Dill, Precision Drilling
Linda Hsieh, IADC
Mark Anderson, Ensign Energy Services