

International Association of Drilling Contractors



IADC Advanced Rig Technology (ART) Committee
08.00-10.00 Thursday, 25 March 2021
Online Only

Minutes

IADC Advanced Rig Technology Outgoing Committee Chair Robert van Kuilenburg, Noble, and Incoming Committee Chair Assaad Mohanna, NOV, opened the meeting and welcomed the attendees. IADC's Linda Hsieh gave an overview of the [IADC antitrust policy](#).

- Mr Mohana presented Mr van Kuilenburg with the IADC Chairman's Plaque in recognition of his service over the past two years.
- ART Committee updates:
 - Rig Sensor Stewardship: Guidelines have been through industry review; significant amount of industry comments received, indicating high interest; will likely put together a small team of reviewers to review the comments received before issuing the final guidelines
 - Rig State Definitions: Proposal for ART to draft the IADC Rig State Definitions Guidelines was recently approved by the IADC Executive Committee; ART officers will look at how to move forward
 - Drilling Control Systems Minimum Safety Features: DCS Subcommittee is regrouping on the guidelines to evaluate next steps
 - Alarm Management Guidelines: [Version 2](#) has been issued to the industry after more than a year of work under an API workgroup
 - Dull bit grading: Nearly 120 volunteers/SMEs have joined the project and 4 workgroups have been established and are meeting independently (Code Definitions for Drill Bits and Cutting Tools; Code Definitions for BHAs, Motors and Stabilizers; Case Studies; Data Management); [drill bit forensics analysis VPD](#) will be held on 12 April; group plans to publish technical paper about the project for 2022 IADC/SPE International Drilling Conference and 2022 SPE ATCE
 - [2021 ART Conference](#): paper selection meeting was held on 23 March; plan for now is to hold the conference in person in Amsterdam, 19-20 October
 - [DDR Plus VPD on 31 March](#): ART will hold a live-stream virtual event to discuss value of DDR Plus and highlight early adopters who have implemented it
- Guest speakers:
 - Scott McKee, VP Marketing, Cactus Drilling, and IADC Division VP North America Onshore

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- Riaz Israel, Intelligent Operations Principal, bp
- Nathan Zenero, Industry Consultant, Teradata
- Robin Macmillan, IADC Division VP Drilling Services, representing the IADC Executive Committee

- Open Discussion on Value of an ART Fuel-Efficient Technologies Workgroup
 - The committee would like to explore how ESG can be addressed within the scope of Advanced Rig Technology. Suggestion was to focus on fuel-efficient/carbon-reducing technologies and perhaps form a workgroup. Overall, a high level of interested was expressed in the topic. Comments included:
 - BP: ESG is not a competitive advantage; first step is to measure emissions and establish benchmarks; green technologies have to make sense and provide ROI; currently still difficult to justify investments in more expensive technologies like battery energy storage systems
 - Maersk Drilling: Seeing more ESG questions/requests as part of tenders though not requirements yet, just “nice to have”; working with many operators on tangibles like real-time monitoring of fuel consumption and optimization; costs for green technologies are coming down quickly as more companies offer competing technologies
 - Parker Drilling: Contractors have been environmentally responsible already but just need to have more documentation; suggests the project can highlight the low-hanging fruits for drilling contractors to tackle in reducing emissions
 - H&P: Fuel use on land rig is very small compared with fracking operation; H&P has formed its own ESG group looking at different scoping options for reporting, can now tell an operator the amount of emissions attributed to a well drilled
 - IDS: see a lot more pressure from operators to measure and report on emissions; simple starting point is to estimate emissions based on daily fuel usage; Open Group has established Open Footprint with 5-6 workgroups looking at emissions data model; PIDX has established ETDX (Emissions Transparency Data Exchange)

The meeting was adjourned at 10am.