



Oil & Gas Automation & Digitalization Conference & Exhibition 2024

Sept 23 – 24, 2024 | Houston, USA

Leveraging The Technology Innovation & Digital Revolution

Our previous & current sponsors/partners:



Day 1 | Monday, Sept 23, 2024

(Agenda as of 19 September, 2024 and subject to change)

Sponsored Sessions Booked Sessions Available Sessions

07:30
Registration & Refreshment Networking



08:30
The Energy Industry's requirements for real-time Trusted Quality-Assessed Data enable greater confidence in AI/ML technologies and accelerate insights for better business decisions.

- New industry standards for Trusted Data spark greater integration and interoperability in the cloud.
- Real-time data validation enables greater automation minimizing downtime and enhancing productivity
- The Critical Role of Production Data Verification in Production Optimization and Analytics

 **Ryan Jarvis**
Owner and Chief Technology Officer, **RockNRG**



09:00
Break through Operational Silos as you continue Digitization efforts

- According to Forbes engineers spend 30% of their time looking for information. Many organizations work in silos and data is not leveraged throughout an organization
- How to win efficiency and limit security and safety risks with digitization
- Is digital twin just a buzz word or is it an opportunity with quick wins

 **Dirk Wagemans**
Vice President Commercial Industries, **Hexagon**



09:30
Creating Value through AI Developments in Seismic Data Processing – Time is Money

- Introducing seismic data processing and imaging, the most computation and data-intensive work step in the oil and gas industry.
- Data driven or model driven – posing a question on how to make AI tools profitable in seismic processing
- No pain no gain – sharing lessons learned from developing AI solutions to ensure both quality and efficiency
- Speed is key – showing case studies where our AI solutions generate business value

 **Shuzhen Ye**
Citizen Data Scientist and Processing Geophysics**Shell**



10:00
Satellites, ground monitoring solutions, and robotics will play a pivotal role in improving the efficiency and sustainability of the oil & gas industry, but these technologies require tough choices.

- Robotics for field applications
- Terrestrial GHG emissions monitoring
- Satellite monitoring for field applications and GHG emissions
- The audience will take away insights about leading startups and corporate technology developers and grasp a vision of the future path for automated inspection.

 **Thomas Katucki**
Sr Research Associate, **Lux Research**



Networking Break 10:30 (30 mins)

11:00
Revolutionize Operational Decision Making: Enabling Data-Infused 3D Perspectives

- Pillars of high value digital twin solutions, industry trends in digitalization, the abundance of data, and common challenges in traditional operations
- Facilitating holistic intelligence for equipment and work processes, redefining decisions on site by leveraging interoperable digital twin architecture
- The importance of progressive implementation for impactful ROI and adoption

 **Meaghan Snethlage**
Director of Client Development, **Veerum**



11:30
A case study on Governance, People, Process, & Technology for optimum Oil & Gas Owner's Information Management

- Foundation and Design - Large LNG company recently performed a review of the digital and Information management space in their company and developed a gap analysis performed to determine current, and future state.
- Challenges and revelations confronting the Company after the gap analysis was performed
- Transformation - How does the Company implement a seamless and intuitive access solution to meet the needs of all departments?
- Sustainable solutions that evolve with the company - Governance and training model implementation before technology and data management rollout
- Where does the company want to be when it grows up?
- What critical factors need to be addressed before going live?

 **Eric Macbeth**
Managing Director / Owner, **Energy Forward Advisors LLC**



12:00
Strategies to Accelerate Digital Technology Adoptions with Automation of Legacy Systems to Drive Operational Efficiency and Productivity Outcomes in Oil & Gas Ecosystem

- Expanding Digital Connectivity using Digital Accelerators such as AI, ML, IoT, Data Analytics and APM Enablement to Future-Proof Brownfield Asset Development and Operational Efficiency for Return of Investment.
- Digital Engineering Solutions Employing Embedded Automation and EPC Digital Twin to Drive Prescriptive Maintenance, Boost Reliability and Decarbonize Asset Operations in the Ecosystem.
- Adopting Edge Computing Solutions to Enable Capturing, Processing and Analyzing Data where it happens, can Optimize Operational Efficiency, HSE Resilience, and Accelerate Time-To-Value for Increased Productivity.

 **Nimi Abili**
Chief Technology Officer, **Greater Offshore**



12:30 | LANYARD SPONSOR
Utilizing Real-time Upstream Applications for Improved Efficiency and Production

- Advanced AI/ML in Upstream
- Seamless Digital Integration

 **Jim Brigman**
Principal and Managing Director, **Ingenero**



Networking Break 13:00 (1 Hour)

14:00
How digital transformation is about emotion and how technology is how we rationalize our understanding of things.

- As AI and technology continue to reshape how organizations approach mergers, acquisitions, and internal integrations, it's crucial to recognize that success isn't just about the technology itself but how it's applied alongside traditional tools and resources.
- Companies can significantly enhance their integration efforts by combining AI with coaching, assessments, and team development initiatives.
- These strategies can provide deeper insights into organizational cultures, identify potential friction points, and foster a smoother change management process.

 **Christopher Donaleski**
CEO, **AI Advisory**



14:30
Making the most of the information you already have!

- Many existing assets are operating successfully – with the information and data they have – digitalization offers great efficiency, safety and environmental benefits, but how can you achieve these without disruptive change?
- Through continuous improvement and effective supply chain collaboration it is possible to transform how you align silos of data, share effectively through the engineering supply chain and demonstrate improvement – without a big IT implementation!

 **Alistair Stubbs**
Managing Director, **Sauve Solutions**



End of Day 1

Day 2 | Tuesday, Sept 24, 2024

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Sponsored Sessions Booked Sessions Available Sessions

07:30
Registration & Refreshment Networking



08:30
Run the Business/Change the Business and Agile Leadership

- Ambidextrous leadership balances operational efficiency with strategic innovation to simultaneously run and change the business effectively.
- Agile facilitates adaptability, improving productivity, customer satisfaction, and innovation in response to dynamic and unpredictable market changes.
- Focused "change missions" prioritize impactful initiatives, leveraging cross-functional teams and scalable solutions for accelerated transformation.



Jim Claunch
Expert Partner, Bain & Company



09:00 | EXHIBITOR SPONSOR
Sustainability led Transformation

- Geopolitical uncertainty, clean energy technology development, and high inflation challenge the oil and gas industry's transition strategies.
- Digital twins optimize operations, predictive maintenance, disaster management, and immersive training for safety and innovation in oil and gas.
- Sustainability prioritizes accurate disclosures, reducing carbon footprints, and adapting to climate threats with investments in resilience and efficiency.

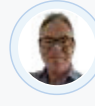


Sree Muktevi
Regional Vice President, Yash Technologies



09:30 | GOLD SPONSOR
Digital Transformation Journey – A Recommended Approach

- Digital transformation is occurring in every aspect of our lives – socially, culturally, from government, to big business. Mike's presentation will provide you a meaningful framework along with guiding principles that will help you be successful in your digital transformation journey.
- Creating a C-Suite Digital Vision, Convening a Task Force.
- Building a Roadmap, Developing Use Cases, Conducting Pilots.
- Scaling Pilots, Developing Digital Capabilities & Supporting Ecosystem.



Mike Fleming
Senior Content Solution Specialist, Innovatia



10:00
Operational Excellence at Scale: 'Leveraging Exception Management in Remote Oil & Gas Operations'

- Many operators are challenged with high well counts spread over large geographic areas. How can they scale the business while maintaining OPEX? Globally, operators have developed the capability of a 'remote operations center', where they bring real-time data to a central team which can act to prevent a downtime event based on exceptions, alerts, and performance gaps.
- How remote operations provides engineering and operations teams with real-time access to critical operational data to improve situational awareness and enable faster decision-making.
- How transforming the traditional role of operators visiting 'every well every day' to optimizing remote worker productivity by directing the field team to the day's priorities.
- Share lessons learned and key elements to deliver a remote operations center which can deliver scalable operational excellence and how a small team can manage 100's or 1,000's of wells remotely.



Fred Clarke
Consultant, Stepchange Global



Networking Break

10:30 (30 mins)

11:00
Available Session

11:30
Advanced digital twin technology from the nuclear sector and its application in the oil & gas

- AI and Digital Twins are revolutionizing industries with clear investment benefits. At the HADRON Laboratory, part of the Institute for Energy Technology, we offer innovative solutions for facility lifecycle management, specializing in safety-critical applications like nuclear.
- We integrate AI and Digital Twins with advanced physics models for impact assessment and use robotics for data collection. Our mission is to enhance safety and efficiency through a holistic approach combining AI, data, robotics, and Digital Twins.



Jan Otto Porsmyr
Senior Project Coordinator, Institute for Energy Technology (IFE)



12:00
Drilling Fluid Automation: Squaring the Circle

- Exploring the Challenges of Drilling Fluid Automation: Technical Complexities and Industry Hurdles
- The Role of Multifunctional Fluid Additives in Simplifying Automation and Enhancing Efficiency
- Computational Innovations, and their Revolutionary Potential in Drilling Fluid Automation



James Haughs
Operations, Research and Development Director, Clear Solutions



12:30
3 Horizons Mapping of a company Digital Transformation" is a challenge faced by most organizations.

- Explain the Concept of 3-Horizon Planning
- How it can help in building Digital Transformation Strategies for customers
- Real-world examples of how it can be applied.



Osama Hanna
Sr Industry Digital Strategist, Microsoft



Closing Remarks & Lunch Gathering

13:00

End of Day 2