Oil & Gas Automation & Digitalization
Conference & Exhibition 2024

Sept 23 - 24, 2024 | Houston, USA

Leveraging The Technology Innovation & Digital Revolution

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Day 1 | Monday, Sept 23, 2024
(Agenda as of 13 May, 2024 and subject to change)

● Sponsored Sessions   ● Booked Sessions   ● Available Sessions

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07:30

Registration & Refreshment Networking

08:30

Securing SLB Operations: Embracing IEC 62443 for Cyber Resilience in Industrial Automation and Control Systems

- Threat actors around the Operational Technology Space
- IEC 62443 Framework Overview and the SLB Model
- Automation, Orchestration and the "green box"
- The recipe for incident response around IT & IACS Automation

Shaun Wolski
Industrial CS Engineer Manager, **SLB**

09:00

Available Session

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 Speacialist, **Innovatia**

10:00

Implementing a Digital Strategy and Finding Value in the Newly Created Data, while still Operating within Existing Workflows.

- How leading operators have enabled rapid digital transformation from the ground-up in a largely analogue sector
- Solutions for managing the time and cost involved with upgrading legacy systems and harnessing vital data from those systems to minimize wasted effort
- A place for AI in operator task management data, improving an operate by exception strategy

Denis Drolet,
Senior Operations Engineer - Real Time Operations, **Vermilion Energy**

Networking Break   10:30 (30 mins)

11:00

Emerging Digitalization technologies into the Oil and Gas and its Impact and Performance

- Digitalization and automation road map in drilling operation
- Wired Drill Pipe as core value tool for digitalization and automation in drilling
- Impact and performance of drilling operation by using digital tools like AI, Machine Learning and Digital Twin

Behzad Elahifar
Associate Professor, **Norwegian University of Science and Technology**

11:30

Transforming Construction Planning with XR for AWP Sequences

- Introduces collaborative XR technology, enabling users to visualize construction projects in 3D and discuss plans in a virtual environment.
- Highlights XR's benefits for intuitive design understanding across disciplines, promoting faster decision-making and project visualization before construction.
- Demonstrates smoother project execution and efficiency improvements through case studies of AWP in immersive XR environments.

Syful Anwa Mustafa
Project Excellence, **PETRONAS**

Ahmad Muizuddin Talib
Project Excellence, **PETRONAS**

12:00

Available Session

12:30

Digitalization and AI in the Energy Sector: Opportunities and Challenges for Methane Emissions Detection and Prediction

- This upcoming session will explore how digital technologies, especially AI, are disrupting the energy industry by detecting, quantifying, reporting, and predicting methane emissions. Detecting these emissions is critical because methane is a potent greenhouse gas that contributes significantly to climate change. Effectively detecting these emissions can help the energy sector move towards sustainability and responsibility.
- With these new technologies, the energy industry can efficiently and accurately monitor and analyze methane emissions, allowing them to pinpoint the sources of these emissions.
- This discussion will also address the challenges and opportunities associated with digitalization in the energy sector, such as issues related to data quality and availability.

Peter Kowalchuk
Principal Program Manager, **Microsoft**

Networking Break   13:00 (1 Hour)

14:00

Available Session

14:30

Available Session

15:00

Available Session

15:30

Leveraging Automation and Data to Upskill the Industry's Greatest Asset – Its People

- Integrating Automation in L&D for Dynamic Competency Mapping: Showcasing how Oil & Gas organisations use automation to continuously assess and map the competency needs of their workforce against industry standards and regulations, ensuring skills alignment.
- Leveraging Data Analytics for Personalised Learning Pathways: Demonstrating the power of data analytics in identifying skill gaps at an individual level, enabling HR and L&D teams to tailor learning pathways that are both effective and efficient.
- This discussion will also address the challenges and opportunities associated with digitalization in the energy sector, such as issues related to data quality and availability.

Grant Crow
Managing Director, **3T global**

Networking Break   16:00 (30 mins)

16:30

Process Optimization using Data

- Linking systems to pull and push data through a process, leveraging a single source of truth, automation, removal of manual handling, consistency and rapid improvement of throughput.
- Discussing our experience in this space for Australia's largest Gas Wholesaler – APA Group - as well as their return on investment, outlining their use case which is based on laying gas pipes and ensuring the As Laid engineering drawings are submitted to the regulatory body in hours rather than months.

Cameron Wells
Managing Director, **Data Sagacity**

17:00

Available Session

Drink Reception   17:30

End of Day 1   Closing Remarks

OFFICIAL AGENDA

Day 2 | Tuesday, Sept 24, 2024

(Agenda as of 13 May, 2024 and subject to change)

● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:30

Workforce Transformation Through Digital Enablement

- The importance of reassessing your workforce labor mix and how to get started
- Restructuring your organization to better reflect the way work needs to get done TODAY and TOMORROW
- How to identify the best enabling technology to meet your needs
- Picking the best provider to both implement and support
- Engaging your organization to prepare for people and process change enabled by technology, and make the most of your technology and tool investments

Lisa Williams
M&E Operations Global Contract Labor Strategy Director, **The Dow Chemical Company**

09:00

Cybersecurity as One of Selection Criteria when Buying a DCS system – What are must Haves and nice to Haves?

- What king of challenges regarding Cybersecurity exist between vendors and end-users of DCS systems?
- How the cybersecurity related requirements included in RFQ may impact the price of the system's implementation and later it's maintenance
- Cases studies describing how specific requirements may influence vendor's responses to an RFQ.

Slawomir Kukla
Consultant | OT/ICS Security Associate Manager, **Accenture**

09:30

Available Session

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**

Breakfast & Networking Break ————————————————— 10:30 (30 mins)

11:00

Orchestrating Value And Adoption: Key To Successful Digital Engineering Transformation

- Overview of the O&G sector's digital transformation
- Challenges in achieving full value potential from digital transformations (given the Complexity, heterogeneity, and maturity of transformation initiatives)
- Our Approach: Integrated Value Office as custodian for all initiatives

Kamilah M A Jamil
Head Value Creation,**PETRONAS**

M Faidsal M Farid
Senior Manager, **PETRONAS**

11:30

Available Session

12:00

Available Session

12:30

Smart Sensors; Enabler of Automation and Digitalization in Oil and Gas

- The presentation will share with the audience an enabler of digital transformation; namely "smart sensors".
- The slides will highlight the latest and most disruptive sensing technologies and their use cases in oil and gas industry along with their principle of operation, field evaluation and results.
- The benefits of smart sensors to the automation and digitalization in oil and gas will be also addressed.

Fawaz AlSahan
Engineering Consultant, **Saudi Aramco**

Lunch & Networking Break ————————————————— 13:00 (1 hour)

14:00

Available Session

14:30

Available Session

15:00

Available Session

15:30

Available Session

Networking Break ————————————————— 16:00 (30 mins)

16:30

Available Session

17:00

Available Session

End of Day 2 ————————————————— Closing remarks