

OIL & GAS DIGITAL TRANSFORMATION CONFERENCE 2022

Opportunities to Boost Profitability and Strategies to Maximize Efficiencies in Oil and Gas Production

AGENDA 2022

Day 1

Monday, 3 October 2022

Eastern Time Zone (ET)

9:45 **Welcome Speech**

10:00 **A small step to change can be a giant leap for the Organization**

- A journey of an E&P organization to change the way of working and bring in more efficiency, transparency with quicker decision making
- Moving from manual management of contracts to automation through implementation of Contract lifecycle management tool- A new way of working for all major functions in the company
- Key pillars for Organization wide digital transformation- Workflow configuration, change management, data
- The results are more qualitative than quantitative- Atleast 50% reduction in major decisions, claims reduction, single source of truth between company and supplier, reduced manhours spent and more.

Isha Bahal | Cairn Oil and Gas



10:30 **Fireside chat with Tanay Tiwary, Head - Business Process Transformation & Master Data Mgmt from Puma Energy**

Rakesh Nandhakumar | Kissflow & Tanay Tiwary | Puma Energy
Title Sponsor



11:00 **The Grave Need for a Holistic Systems Approach**

- Digital Transformation is often presented from the prism of emerging technologies (IoT, RPA, AI, etc), which often ignores the subtle complexities that need to be addressed that span the whole value chain which consist of two main blocks: Digital Product Delivery (technical landscape and the IT/Digital Delivery teams), and Digital Products (product design and architecture and business users and customers).
- This requires a holistic systems approach that employs Progressive Enterprise Architecture and Mature Business Architecture practices, as well as, hyper-automation, XOps, Team-level agility, Organization/Business Agility and Design Thinking.
- This is particularly true in large companies with many systems and sources of data, and when addressing

Hassan Malak | Aramco



11:30 **Digital twin: Unlocking the power of your asset's data**

- Wood's full asset lifecycle approach to digital twin
- Unlocking the biggest challenges faced by clients both now and in the future
- Wood's digital twin approach for capital projects including case studies

Rob Kennedy | Wood PLC



12:00 **Networking Break**

12:30 **Disrupting the oil and gas industry with Digital Transformation**

- Why Digital Transformation
- Digital transformation – a means to stay competitive in the VUCA world
- Change management in a Digital Transformation Journey

Ahmad Adeniji | Prudent Energy



13:00 **Asset Management Innovation: A Model To Improve The Management Of Engineering Information**

- Strategy One: Organizational Roadmap
- Strategy Two: Dynamic Information
- Strategy Three: Data Democratization

Daniel Fleck | RedEye
Gold Sponsor



13:30 **Take aways in our Digital Journey in E&P: 2018 - 2022**

- Greenfield First Digital Wave (18-22): Expectations vs reality: what we defined back in 2018 and where we are in 2022
- Lessons learnt: Histories of failure, of pain and of success during the journey
- Brownfield Second Digital Wave (23-25): Focus on data

Alfredo Rodríguez | Repsol



14:00 **The Personal Data and Identity Meeting of the Waters: Now and The Future**

- Visualizing and wrapping one's head around the physical:digital confluence
- Grappling with the five undercurrents of digital transformation: technology, economics, laws & regulations, culture, and politics
- Planting personal data and actionable insight at the core of your business to create value for your business and those you serve
- Employing wisdom learning to get refine your plans, motivate your teams, and thrive

Michael Becker | Identity Praxis, Inc.



14:30 **Networking Break**

15:00 **INL Digital Engineering**

- Digital Engineering
- Model-Based Systems Engineering (MBSE)
- Digital Thread
- Artificial Intelligence (AI)
- Extended Reality (XR)

Maria Coelho | Idaho National Laboratory



15:30 **Industrial Cybersecurity – A Business Driver and not a Cost Center**

- Understand the cybersecurity threat vectors and their impact on operations
- What are the challenges to implementing an effective cybersecurity strategy?
- How to turn cybersecurity into a revenue enabler?

Arthi Vasudevan | Baker Hughes



16:00 **End of Day 1**

10:00

The big shift in the mindset and ways of working of enterprise and solution architects in Agile product development

- How does the traditional way of thinking about and doing architecture change in an Agile product development environment.
- How do architects and their teams define a digital technology state that can evolve every few weeks based on customers feedback on their digital products
- How to allow for architecture decision making where analysis paralysis is not acceptable but mistakes are, if you can recover from them.

Bruno Rothgiesser | bp



10:30

Oil & Gas Retail Sites in a digital era

- Disruptive times and how to handle
- Customer Centric operations
- Digital transformation in a challenging world
- Digital innovation in practice

Stelios Panaretos | Motor Oil Hellas



11:00

Improving operations efficiency via digitizing the procurement & supply chain processes

- What are the main motivators for adopting digital technologies for the procurement and supply chain processes? These motivators will encourage Oil & Gas operators as well as service companies to opt for digitizing their processes.
- Exploring the benefits of digitizing procurement & supply chain processes: Various types of benefits can be realized upon deploying digital transformation, some are more relevant to the Oil & Gas industry.
- Highlighting the associated challenges related to deploying digital transformation: What is the biggest hurdle related to digitalization? And what are the key inhibitors for it?

Aymen Elamin | PetroChina International



11:30

Crossing the Digital Divide to make effective use of digital asset data

- Accessing and using the orders of magnitude information beyond the process variable from sensors and edge devices for commissioning and maintenance
- How asset data revolutionizes the commissioning and troubleshooting experience
- International standards activities supporting the digital asset data initiative

Ian Verhappen | Willowglen Systems



12:00

Networking Break

12:30

REAL-TIME PROCESS MANAGEMENT - NEW STANDARD FOR ORGANIZATION

- Digital organization and integrated business environment, BPMN values and benefits for agile digital transformation

Sarunas Strasevicius | Stackflows



13:00

Is Predictive Maintenance and Condition Monitoring ready for Digital Transformation in Oil & Gas?

- Why digitalizing condition monitoring and predictive maintenance is highly desirable but more challenging for upstream Oil & Gas
- Why adopting new digital technologies such as wireless vibration sensors require more careful consideration than other industries
- Why a risk based approach to condition based maintenance is required when going digital and how AI and machine learning would need to think to achieve the holy grail of prescriptive maintenance

Matthew Moore | Petrofac



13:30

Becoming an operator leveraging digital technologies to support remote operations

- Building supporting infrastructure in remote areas of Australia's Cooper Basin
- Worker safety in remote areas - knowing where everyone is at anyone time
- Providing the up to date information to a dispersed workforce
- Production enablement and optimisation using off the shelf / cloud based technology

Kai Eberspaecher | Bengal Energy



14:00

Application of Organizational Change Management for the Maximization of value in Digitalization and introduction of new Technologies.

- Understanding, Identifying and analyzing the Changes in Technology - What is changing? For Whom is it Changing? What's its effect?
- Develop a robust Change management Plan and Strategies.
- Focus on how to derive maximum value from the adoption of Digitalization in the industry.

Oladotun Lofinmakin | NNPC Limited



14:30

Improving Offshore Operations Through Industrial Mobility

- What does Industrial Mobility mean?
- What are the key enablers for robust industrial mobility implementation for offshore platforms?
- What are the application and benefits of Industrial Mobility in offshore oil & gas facilities?

Chika Nwokeji | ExxonMobil



15:00

End of Day 2