

Session Highlights

OIL & GAS DIGITAL TRANSFORMATION Conference & Exhibition

Year 2021, 2022

A small step to change can be a giant leap for the Organization

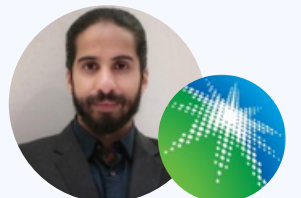
- A journey of an E&P organization to change the way of working and bring in more efficiency, transparency with quicker decision making
- Moving from manual management of contracts to automation through implementation of Contract lifecycle management tool- A new way of working for all major functions in the company
- Key pillars for Organization wide digital transformation- Workflow configuration, change management, data collection and management, continuity planning, shifting skillsets of organization
- 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
Senior Manager- Supply
Chain and Digital
Transformation

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 Al Malak
DevOps & Agile
Transformation Leader
at Aramco at Saudi
Arabian Oil

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
E&P Digital Program Sr.
Manager

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
Global Head of Digital
Twin

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
CEO

INL Digital Engineering

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



Maria Coelho
Model Based Systems
Engineering Scientist

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
Senior Product Manager,
Cybersecurity

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
Chief Architect, B2C

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
IT RETAIL MANAGER

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
Section Head Wells C&P

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
Senior Solutions Architect

REAL-TIME PROCESS MANAGEMENT - NEW STANDARD FOR ORGANIZATION

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



Sarunas Strasevicius
ECEO & Co-founder

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
Global Subject Matter
Expert - Condition
Monitoring

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 any time
- Providing the up to date information to a dispersed workforce
- Production enablement and optimisation using off the shelf / cloud based technology



Kai Eberspaecher
Chief Operating Officer

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
Upstream Change
Management Officer

Save The Date!

Join us 12 - 13 September, 2023, for **OIL AND GAS DIGITAL TRANSFORMATION**. An exclusive face to face event consisting of top-level content and thought leadership discussions exploring the digital transformation ecosystem.

Reserve your seats: digital-transformation-conference.com/delegate_packages/