OIL & GAS DIGITAL TRANSFORMATION CONFERENCE 2023

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

AGENDA 2023

Day 1
Tuesday, 16 May 2023
US Eastern Time Zone (ET)

7:45 **Welcome Speech**

8:00 **Information Intelligence: The key to mitigating geopolitical risk and gaining competitive advantage**

- Geopolitics is back and energy companies have been caught in the middle, and often lost as a result
- Geopolitics is only getting harsher and could create further instability in the energy markets
- How can you better navigate a volatile geopolitical landscape with robust information intelligence tools?

Sam Olsen & Mike Hepburn | Adarga
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adarga

8:30 **Overview of Oil recovery mechanisms and water injection**

- This presentation tals about the different oil recovery mechanisms, need for water injection.
- Also covers an overview of the seawater injection schemes, spectrum of filtration, particle removal

Manikandan Sakthivel | SLB

slb

9:00 **Digital Transformation in the Oil and Gas Industry - A roadmap**

- All industries and functions are undergoing digital Transformation and Oil and Gas too is undergoing bgi changes due to cost drivers, move towards green energy and global economic trends .
- Digital Transformation in today's context is using the latest digital technologies to derive 2 X to 10 X benefits,
- This is a new and evolving area, where speed is of the essence. Citizen developers, Low code / No Code

Mohan Madhurakavi | KissFlow
Title Sponsor

kissflow

9:30 **DQRA – digital and dynamic 3D risk watcher and activity planner**

- While traditional QRAs provides significant insight in risk drivers during design of facilities and plants, they are not able to sufficiently support the day to day decision making during operation
- Vysus Group has developed a new approach to 3D risk calculations which utilises digital information to
- DQRA aim to take the QRA down from the bookshelf and into the control room for improved operational

Joar Dalheim | Vysus Group

Vysus Group

10:00 **Networking Break**

11:00 **Top 4 Lessons Learned as a Digital Project Manager: Insights from a Digital Factory**

- Who am I? My experience as a digital manager and how my personal life informs my professional life.
- The #1 skill to work as digital manager: Empathy. The need to ask and give at the same time for team growth and development.
- Digitalizing is faster through the implementation of mVPs, which allows for business ideas and processes to be automated faster and more efficiently
- Investing on discovery phase is key to save time and resources in the long run.
- The hardest part of project management is transitioning knowledge and processes to new maintenance

Nuno Martins | EDP

edp

11:30 **IoT and Big Data: Opportunities for the Upstream Oil and Gas Industry**

- IoT technologies, deployed with big data and analytics delivers value by ensuring greater asset integrity, optimising production, minimising downtime, achieving cost efficiency, and ensuring safer operations.

Bolarinwa Durojaiye | HeirsHoldings Oil & Gas Ltd.

Heirs Oil & Gas

12:00 **Data-driven to Knowledge-driven organizations - "Model Based Anything (MBx)"**

- The impact of each decision in oil & gas industry is significant. Oil & Gas companies invest into a data platform to make best possible decisions - "do things right".
- However this is not enough to prepare for any future disruption. Managed knowledge can help employees to "do the right thing" and "avoid the same mistakes".
- NASA is driving digital transformation with 'MBx' to effectively manage $40B asset and supply chain. We'd like to explain how MBx can be applied to oil & gas industry.

Hosin Min | Rock15 Inc.

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12:30 **Networking Break**

13:00 **Antecedents for the adoption of Big data and AI in Chemical Industry**

- This presentation follows results of a survey-based quantitative method using structural equation modelling. The data collected was studied to draw scientific conclusions about the myriad of hypothesised relationships. This was accomplished by employing a positivist paradigm in the process
- This study recognises the strong relationship between data scalability, process monitoring, and the investment in tools for big data/AI adoption as a contribution towards industry application and practice. Mediation effects between the constructs and final measures, and the significance of their relationships was established
- This finding of this presentation contributes to the application of the Unified Theory of Acceptance and Use of Technology in chemical industry to be limited in early stages of technology adoption. Based on the literature survey and outcomes, it positions the chemical industry in early stages of big data maturity
- This presentation conclusions and contributions towards practical application are expected to enable a shift from conventional methods towards a data-driven approach to decision-making in the chemical industry

Ashiff Khan | Saudi Aramco

aramco

13:30 **Leveraging digital initiatives for business transformation**

- Larsen and Toubro (L&T) Heavy Engineering have been leveraging digitalisation and automation to improve business delivery.
- Some examples of such digitalisation initiatives for Modification, Revamp & Upgrade (MRU) Business and Specialised Fabrication Unit (SFU) business will be discussed during this session

Anupam Ghosal | L&T

14:00 **End of Day 1**

Day 2
Wednesday, 17 May 2023
US Eastern Time Zone (ET)

8:30 **Real Industrial AI applications deployed in Upstream Enhanced Oil Recovery, Process Optimisation in Downstream Refineries.**
- Prognostic Health Management and Predictive Maintenance. VIDEO Analytics for Safety SOPs Monitoring.
- ESG Intelligence and Compliance.

Nandan Mishra | Algo8 AI

9:00 **Digital Office – Next Gen in Productivity Delivery for Capital Projects**
- Oil & Gas industry is transitioning resulting in strategic investment into ESG projects and move to net zero
- Traditional approach and capital project lifecycle has not worked
- Until recently technology adoption in capital project was costly and presented more risk
- Digital office presents a catalyst for significant change in the industry
- Digital office uses data and digital technology to provide insights, transparency, better coordination and predictive risk modelling
- Leverage Low code No code platform radically reduce time needed to develop solutions
- New ways of thinking are necessary, along with better ways of working across the entire capital project lifecycle

Ian Duncan & Stephen P. Mulva | FTi Consulting

9:30 **Leveraging advanced Machine Learning Methodologies for transforming good governance practices in Oil & Gas retailing.**
- The goal of any O&G process is revenue generation. As on date, the O&G retailing market is a "Pull market", meaning there is "little" to "no effort" required to sell the finished products.
- As corporates who handle the retailing of O&G retailing business, it is our responsibility that the end customer is provided with the fuel that ensures 100% Q&Q & provides customer delight.
- With the high volume of transactions happening at Gas Stations, we have enough data to drive complex ML algorithms that leverage Blockchain fundamentals to gain speed of processing, to generation ac analytics insights and reduce First-Time-Not-Right percentages.

Pragyaditya Das | Indian Oil Corporation Limited

10:00 **Networking Break**

10:30 **The New Digital Economic model Trifecta – Decentralization, Decarbonization, Digitalization**
- Challenge: Decarbonize O&G for Net Zero
- Solution: DLT Green Bonds & Carbon Trading
- Process: DLT Capital Markets

Eduardo Rodriguez | Trident Xchange

11:00 **Change Leadership – The Secret to Successful Digital Transformation**
- What does good (business change) look like
- The role of change leadership in securing the success of your digital transformation
- Top 5 business change best practices to support your digital transformation

Gill Hughes | Afiniti
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11:30 **Digitizing Well Construction operations to optimize cost per feet**
- Improved data accessibility
- Faster data processing and analysis
- Enhanced accuracy and consistency
- Better decision-making
- Improved safety and environmental compliance
- Cost savings

Sameer Bisht | SLB

12:00 **Connectivity's role in Digital Transformation: How Private Cellular can help push the value argument forward.**
- Understand the challenges that are faced by O&G companies today, and how connectivity can act as a roadblock to moving forward.
- Learn about what private cellular networks are, and how various use cases enabled by private cellular networks are driving operational efficiency, safety and environmental excellence.

Viren Parikh | Ericsson

12:30 **Transform or Go Extinct: How the future of the oil and gas industry is hinged on the successful implementation of digital transformation projects**
- Digital Transformation as the future- an outlook on how a complete digitization Roadmap for a company is more efficient than individual automation or digitalization projects.
- Success Factors for digitization Projects - How can these projects give maximum value to the company
- Case study: How is the application of Artificial Intelligence, Business Intelligence and Automation transforming other industries?

Oladotun Lofinmakin | NNPC

13:00 **Networking Break**

13:30 **Conversational AI in Oil and Gas Data Center**
- Conversational AI utilizes advanced machine learning technologies to convert natural language queries (text or voice) to database SQL and immediately returns the data required from oil industry engineers and decision-makers

Frank Jin | Chata Technologies

14:00 **Developing a Digital Transformation Plan for Oil & Gas Industries – From Business Outcome to Technical Capabilities**
- Develop a 3-Horizon Map for Digital Transformation
- Identify Technical Capabilities based on Business Outcome and Value Drivers
- Use Design thinking methodology (Case study to demonstrate the process)

Raj Krishnan | Microsoft

14:30 **Innovation as part of a successful digital transformation strategy – Meet the case of Supergasbras, a Brazilian LPG subsidiary from SHV-Energy group**
- The role that innovation can play in the digital transformation framework
- Culture of Innovation: How to Implement a Program of Ideas in the Search for the Balance Between Top-Down and Bottom-Up Initiatives
- Trends in the LPG market

Marcus Ghedini | Supergasbras

15:00 **End of Day 2**