

OPERATIONAL EXCELLENCE OIL & GAS LIVE AGENDA

May 19-21 2020

(Timings and content subject to change as the agenda develops)

Day One: May 19, 2020

9:00 EST CASE STUDY: BP's Modernization and Transformation on a Major Capital Project

Ken Nguyen is the Digital Program Manager for one of BP's major oil & Gas facilities in the Gulf of Mexico. Ken will discuss how he and his team are using new technologies including:

- Modernization & Transformation: Digital, Agility, and Mindset
- M&T Initiatives on Mad Dog 2: AR, Digital Twin, ROV's, underwater Wifi, offshore IT etc.
- Using Dynamic Digital Twin
- Immersive Quality Inspection using Mix Reality
- Creating a Nextgen Collaboration Environment

Ken D. Nguyen, Digital Program Manager, Mad Dog 2, Upstream Global Projects Organization, BP

10:00 EST: Boosting Productivity Through Process Digitalization

*Digitizing processes and tasks offers the opportunity to oil and gas companies to use the data and information they have at their fingertips to streamline operations and maintenance, improve safety and make better – and faster - decisions. While some oil and gas companies are taking advantage of mobility to connect workers - **most are not capturing the significant value it offers**. Join Giorgio Rossi as he takes you on a journey to process digitization, so you can learn how to:*

- Enhance frontline worker productivity by up to 50%
- Decrease human error from estimated 4% to below 1%
- Cut down final report delivery from days to seconds
- Utilize mobile devices, wearables, and AR for training, asset monitoring, safety & quality compliance, step by step procedures and more
- Modernize your business and become a truly digital data-driven organization

Giorgio Rossi, Business Development Leader, Resco

11:00 EST: Next Generation Operational Excellence Digital Twins to Support Business Continuity and Weather Future Oil & Gas Storms

Learn how two major oil and gas operators are using Sphera's Operational Excellence Digital Twin Control of Work software to deliver a proactive view of risk and improve operational efficiencies and asset reliability.

- Keeping plants running to meet the critical needs of society while developing new capabilities and ways of working that will adapt to longer-term changes
- In 2020, why operators are focusing heavily on maintenance to reduce their safety-critical backlogs to enable safer, more efficient, and competitive operations
- Showcasing digital operational excellence strategies to simulate asset performance in live operations and better see the risk impact of equipment health, planned maintenance work, isolations, process safety risk, and more

Abhilash Menon, Business Solutions Consultant, Sphera

12:00 EST: CASE STUDY: How Shell is Using Data Analytics to Streamline Internal Processes and Systems

As the Technology Lead for the PI Center of Excellence at Shell, Peter is passionate about new technologies, and what they can do for the business. Discover why he believes that good data management is the future for oil and gas companies everywhere to enable the transition through to a more sustainable future.

- The need for evolution: Why Shell's real time platform has had to change, and how CoE has helped maximise the value from existing PI Systems
- How our PI Center of Excellence is exploiting emerging technologies
- Challenges of the PI-Landscape today and how Shell are overcoming them
- How Data has helped and continues to shape our digital transformation activities moving forward

Peter van den Heuvel, Technology Lead, PI Center of Excellence, Shell

Day Two: May 20, 2020

9:00 EST: CASE STUDY: Business Transformation: Preparing for the Impact of Digitalization on your business and your people

For any company to succeed, its people are a key asset. With business transformation, skillsets will need to be monitored, developed and honed so that new systems can be managed by staff effectively. People also need to buy into the transformation vision, to make sure that change really sticks. Join Deana A. Werkowitch as she identifies how to execute transformation effectively, explaining what the roadmap to success really looks like:

- The Transformation Journey: Shifting from passenger to driver on your journey
- People, Process & Technology: Creating the integration and having the strategic vision to put the business transformation 'wheels in motion'
- Growing people and changing behaviors: Why operational transformation is not just about redesigned business processes and new technology applications
- Organizational Readiness: Taking into consideration all aspects of the transition, including operational processes, roles and delegations of authority, documentation, data management, IT systems, resources, and governance
- Identification: How do you identify, develop, and design with current digital skills and capabilities required?

Deana A. Werkowitch, Vice President, Business Process Optimization, Crestwood Midstream

10:00 EST: Improve Asset Diagnosis and Real-Time Monitoring Through Self-Service Advanced Analytics

The direct relationship between revenue and production rate requires maximum asset availability. All captured data over the last decades have already been used to improve performance and reliability of the most critical assets. For a next level of optimization, process experts should be empowered with advanced analytics for asset diagnostics and real-time monitoring. In this way a truly data-driven Oil & Gas company can be created, for making analytics-based decisions and controlling business outcomes. In this presentation Julian Pereira from TrendMiner will explain and demonstrate:

- A quick overview of the key capabilities of TrendMiner
- Demonstrate how to use self-service industrial analytics to perform asset trip diagnosis and real-time monitoring.
- Show how contextual information from 3rd party business applications can add valuable context for root cause analysis
- Use pattern recognition for real time monitoring/surveillance in order to avoid abnormal situations before they occur
- Facilitate and automate the communication of asset diagnosis and monitoring throughout the business using TrendMiner as a Production Cockpit.
- Benefit areas of TrendMiner in the context of operational excellence (OPEX) in O&G

Julian Pereira, Head of Customer Success EMEA, TrendMiner

11:00 EST: OPEX in Oil & Gas LIVE: Digital Maturity in Upstream Oil & Gas: Are You a Starter or a Performer?

Upstream O&G has always been at the forefront of technology development and adoption. To stay competitive, a new wave of transformation enabled by digital is now needed. Many companies have started on this journey, but they are facing challenges such as:

- *How to ensure tangible and sustainable impact?*
- *How to efficiently scale solutions across assets, geographies and technical disciplines?*
- *How to ensure adoption of the necessary changes in the front line of their businesses?*

BCG has conducted a study with top companies in the industry to gauge digital maturity. Join them as they share their latest thinking and insights from their recent study on digital maturity among 50 upstream O&G operators:

- Digital maturity correlates with value delivery; "digital performers" are an average 6 ppt. higher 3-year TSR compared to the "digital starters"
- Although there are pockets of excellence, most upstream O&G companies are struggling to deliver value from digital at scale
- To accelerate their digital transformation, upstream operators need a pragmatic digital maturity assessment to get actionable guidance on where to focus to capture more value from digital

Håvard Holmås, Partner & Associate Director, Upstream Oil & Gas, Boston Consulting Group (BCG)

Sverre Lindseth, Principal, Oslo, Boston Consulting Group (BCG)

Mauro Castilhos, Senior Knowledge Analyst, Madrid, Boston Consulting Group (BCG)

Michael Leyh, Knowledge Expert, Team Manager, Düsseldorf, Boston Consulting Group (BCG)

Dr Nick Mayhew, Chief Commercial Officer, Axora

12:00 EST: Case Study: Driving Successful Digital Transformation at BP

Discover how new technologies for managing internal operations are at heart of BP's group strategy, and why they also see creative freedom and the human touchpoint as essential parts of the plan:

- Collaborating externally and internally to drive successful digital transformation at BP
- Combining emerging technologies with creativity is key to building a sustainable future through energy transition
- Innovate, don't create: Why we should be innovating around the core transactional system (as opposed to disrupting existing operations) to increase business value and drive ROI

Noorddin Taj, IT Strategy, Architecture & Digital Innovation, BP

Day Three: May 21, 2020

9:00 EST: Building an Automation Center of Excellence (CoE)

- Building an Automation Center of Excellence (CoE)
- Embedding IA technologies deeply and effectively within your organization
- How using a CoE can better leverage your automation investments, moving from distributed organizations that individually own technologies to one vertical center that is capable of providing automation solutions across the enterprise
- Enabling a stronger emphasis on innovation

Biju Misra, Director, Operations - Enterprise Services, Enbridge

10:00 EST: Maximizing Automation ROI in the Age of Disruption

Join Adam Woznicki for a practical insight into how companies are now harvesting millions of dollars in savings through automation, featuring Vernon Dickson from Range Resources.

- Exploring how Robotic Process Automation can amplify productivity benefits
- Using RPA to drastically improve customer experience, reduce errors and increase process transparency
- As we grapple with the cost pressures in the current uncertain environment, why companies are leveraging intelligent automation and bots to gain productivity benefits and Rapid ROI to the tune of more than 600%

Adam Woznicki, Sr. Strategic Account Manager, Automation Anywhere
Vernon Dickson, Senior Corporate Program Manager, Range Resources

11:00 EST: Rapid Enablement of a “Work from Home” and Mobile Workforce Through Digital Process Automation

Join K2 as they discuss today’s challenges around a rapidly changing and dynamic workplace and showcase adaptive ways for companies to streamline processes for productivity, visibility, and automated task management.

- How Digital Process Transformation will enable organizations to automate current state processes, provide performance metrics and identify opens tasks of a re-organized workforce
- Discussing the benefits of digital process transformation, including:
 - Capturing knowledge and process being lost to attrition
 - Providing a mobile and offline experience for field activities
 - Adhering to compliance requirements effectively

Andy Hayes, Technical Specialist, K2 and Scott Swope, Account Executive, K2

12:00 EST: CASE STUDY: Human Performance & Risk Management: The Next Step in the Evolution of Risk and Incident Management in Oil & Gas

A human performance mindset acknowledges that to understand incidents, you have to understand the point of view of the people involved, and how people interact in a system. Human factors and performance are the next step in the evolution of risk and incident management in hazardous

industries. This session, led by BP's Hugo Ashkar, will provide practical tools and tips to help you integrate human factors and human performance mindset into your safety and risk management programs.

- Understanding the actions of humans in complex systems
- What is the link between safety incidents and risk management barrier weaknesses?
- Identifying types of barriers: passive, active and procedural barriers - and using risk management tools and principles to prevent future incidents
- Understanding and improving how people interact with the plant, processes, and each other to create a safe state environment
- Investigating safety incidents: Asking 'what' and not 'who'
- Developing an approach to understand the actions of humans in complex systems
- How can you merge your safety rules with industry practices for better alignment?
- Looking at how we, as leaders, react to incidents – and how leader reactions determine how well organizations learn and prevent future incidents
- Developing a framework around human performance, including the elements against which you should measure performance

Hugo Ashkar, Global Risk Manager, BP