

11th Annual OPERATIONAL EXCELLENCE IN OIL AND GAS

November 2-4, 2020

Online Event | Free to attend for In House Industry Professionals



Monika Mangla
Director, Global
Finance Digital
Transformation
Chevron



Robin Gardiner
Vice President,
HSE Deployment
Husky Energy



Eric Wakley
Vice President,
Safety, Risk &
Central Operations
Integrity and
Environment.
Husky Energy



Mark Hutcherson
Director,
Operations
Excellence
ConocoPhillips



Fakhri Landolsi
COO DIGITAL
COE, Head of Data
Science, North
America
Equinor



Camille Peres
Assistant Professor,
Environmental
and Occupational
Health
Texas A&M
University



Walter Pesenti
Global Operational
Excellence
Manager
BP



Jason Pigott
CEO
Laredo Petroleum



Liz Sturman
Vice President,
Technology and
Innovation
Shell



Brandon Brown
Vice President &
Chief Information
Officer
Laredo Petroleum



**Michele
Harrandence**
SVP & Chief
Operations Officer,
Gas Transmission &
Midstream
Enbridge



**Karthick
Srinivasan**
Director, Process
Automation
- Operations
Excellence
DelekUS

Proudly Sponsored By



11th Annual
Operational Excellence in Oil & Gas

November 2-4, 2020 | Online Event

Monday, November 2, 2020: Online Conference Day One

**10:30 am EST
(35 mins)**

Meeting New Challenges – and Opportunities - to Emerge Stronger Than Ever

The challenging economic landscape has forced oil and gas companies to scrutinize their operations in pursuit of greater productivity and asset efficiency. Operational excellence is as important as ever, but the current market dynamics demand more. We must operate more efficiently than ever while maintaining high safety and environmental protection standards, new business models, service excellence, and top-tier data capabilities are needed to win. This executive panel will bring together business leaders to discuss the key levers oil and gas companies can be leveraging now to improve operational performance.

Panellists:

Jason Pigott, CEO, Laredo Petroleum

Michele Harradence, Senior Vice President and COO, Gas Transmission and Midstream, Enbridge

Walter Pesenti, Global Operational Excellence Manager, BP

Moderator: *Pete Mansel, SVP, Industrials & Healthcare, Accruent*

**11:10 am EST
(35 mins)**

Accelerating your Digital Strategy – and the Action Plan to Make it Happen

The recovery and “new normal” will be digital. Digitization and digital transformation projects are being accelerated across all industries due to the need to rapidly adjust to changing market conditions. As companies and enterprises continue on their digital transformation journey, the following guidelines provide the best chance for successful transformation projects.

- Identify products and services that are good candidates for digital transformation
- Look for the low-hanging fruit (quick, achievable victories)
- Seek projects with 3 to 6-month ROI (i.e. don't try to boil the ocean)
- Determine / Establish KPI's – performance indicators
- Obtain agreement / buy-in from stakeholders (i.e. define a successful implementation)
- Obtain input from field
- Seek synergy between “operations” and “data experts”
- Start small and scale up from there

Bob Baughman, CEO, HUVRdata

Shankar Nadarajah, Global Drone Visual Inspection Project Manager, Equipment Technology Division, Exxon

**11:50 am EST
(35 mins)**

Optimizing the Turnaround Process with Data Management

Managing turnaround is for many asset owners one of the biggest challenges that they face as an organization. The strict timelines of turnarounds and minimizing the interruption to production combined with the scale of the turnaround operation put pressure on any size organization as overrun on cost or timeline will directly impact the bottom line of an organization. In this session, we will present some of the best practices that we have encountered in the industry during all phases of turnaround that help companies minimize risk and cost. Using case studies and examples, you will hear how some of the largest organizations in the process manufacturing

11th Annual
Operational Excellence in Oil & Gas
November 2-4, 2020 | Online Event

industry have optimized their turnaround process using engineering data. In this presentation, you will:

- Learn how international standards are evolving around the turnaround process
- See how the impact of the digital plant can improve your family life
- Learn about some of the ways large organizations are managing turnaround together with their contractors
- Discuss the impact of BIM on turnaround
- How a data driven environment can help your organization save money and time
- Find out what to do if you are stuck in the basement

Arjen Bos, Product Owner, Accruent

**12:30 pm EST
(35 minutes)**

Digitalization: Preparing for the Impact of Digitalization on Your Business and Your People

- Understanding the potential impact of digitization on your business – and your people
- Selecting, designing and installing operations systems to ensure operations availability and integrity
- Fostering a culture that accelerates technology adoption
- Assessing and ensuring readiness for operations, taking into consideration all aspects of the transition, including operational processes, roles and delegations of authority, legal and/or operations documentation, data and IT systems, resources and competencies; and governance

Brandon Brown, Vice President & Chief Information Officer, Laredo Petroleum

Charles Osborn, Vice President and Chief Information Officer, Enable Midstream

Liz Sturman, Vice President, Technology and Innovation, Shell

Moderator: *Robert Ratchinsky, CEO, ENGAGE*

**1:10 pm EST
(45 mins)**

Pivot to Profitability in O&G in Four Steps

The market downturn in 2020 resulting from the global pandemic led to falls in demand, supply disruptions, and pricing volatility. Amid all the tactical decisions to keep your company afloat, it is crucial to take a step back and think about your long-term strategy. All departments and different teams across the value chain must collaborate on a journey that will provide significant impact on the overall business. While each downturn will have its own characteristics, we'll explore the things that can be done to help your company survive and thrive.

In this session, we will cover 4 steps to pivot to profitability:

1. Unify Your Supply Chain
2. Increase Efficiency in Your Operations
3. Optimize Your Process
4. Holistic Approach to Your Value Chain

Joseph McMullen, Value Chain Optimization Marketing, AVEVA

11th Annual Operational Excellence in Oil & Gas

November 2-4, 2020 | Online Event

1:55 pm EST
(35 min)

The Power of Analytics in Your Control Room: New Approaches for Solving Age-Old Problems

Using a real world example of automating a compressor start-up, we will take you on a journey that breaks down buzzwords and will demonstrate practical, easy-to-use approaches that you can employ on a daily basis. Attendees of this interactive session will get an overview of the machine learning landscape, focusing on the advantages of classifiers.

Nick Petrosyan, Customer Success Manager, Trendminer

2:35 pm EST

Analytics Driven Operational Excellence

- How to take asset reliability and twin initiatives beyond POC to become standard procedure across the business
- Why it's critical to apply digital twins to reliability and integrity work processes.
- How to standardize and improve key asset performance KPIs

Jared Hartness, Director, Industry Solutions, GE Digital

Paul Casto, APM Industry Principal, GE Digital

Tuesday, November 3, 2020: Online Conference Day Two

9:00 am EST
(35 mins)

People, Process, Technology: Enabling the High Performing Organization

Oil and Gas companies are striving to achieve excellence in operations, maintenance, reliability and HSE. Whether you call it continuous improvement, operational excellence, process excellence or being world class it all boils down to people, process and technology. This workshop will focus on how to improve all three of these elements so that Operational Excellence is enhanced. Workshop topics will include:

- People (Managers) Improvement – what managers can do to enable performance
- People (Doers) – How to choose the right people and keep them in a High Performance Organization
- Process Improvement – What processes are commonly used including ISO (45000, 14000, 9000), BSEE SEMS, OSHA PSM, EPA RMP, OIMS...
- How to continuously improve all of these processes simultaneously at once using the Plan, Do Check, Act process for continuous improvement
- Leveraging Technology Like a Boss – Best Practices in Technology that yield results including:
 - Dashboards, KPI reporting, metrics for Insight and Decision Support
 - Automatic Risk Registers that give managers the information they need real-time
 - How to leverage what you know across your enterprise using the HUAA (Heard, Understood, Acknowledged, Actioned) process that works!
 - Enabling Technology and the Dos and Don'ts

Mike Bearrow, Global Process Safety Leader, Visium KMS

9:45 am EST
(45 mins)

Connect Workers, Boost Productivity and Reduce Human Mistakes through Digitalization & Mobility

Questions about this year's event? Email Event Director Leslie Allen at leslie.allen@iqpc.co.uk

11th Annual Operational Excellence in Oil & Gas

November 2-4, 2020 | Online Event

During our session, we will show you how Resco platform is helping Oil&Gas Industry digital transformation through his powerful platform and ready-to-go module for any step-by step procedure as Pipes Inspections, Machines Maintenance, Work Orders, Quality Check, Health & Safety controls.

Thanks to many pre-build modules to organize the staff work, check real-time data on the field and analyzing trends, supervisor can have all data to take the most efficient and cost-saving decisions

Giorgio Rossi, Business Development Leader, Resco

10:35 am EST (35 mins) **Inside Chevron's Finance Digital Transformation**

- Harness power of data to drive decision making
- Business simplification and standardization
- Agility and Innovation

Monika Mangla, Director, Global Finance Digital Transformation, Chevron

11:15 am EST (45 mins) **Enhancing Process Safety Management With Digital Solutions**

Advances in digital technology provide opportunities for enhancing the management of process safety risks by providing greater insight into the barriers and controls at the core of process safety. During this session you will learn from a leading expert on the potential to enhance process safety management with digital technology.

Paul McCulloch - Process Safety & Implementation Consultant - Enablon | CGE Risk

12:05 pm EST (35 mins) **Digital Procedures: The great, the good, the bad, the ugly—Notes from the Field**

Dr. Camille Peres will share some of the insights her team has gained regarding procedure use—particularly for digital procedures. These insights come from their field studies with workers in high risk industrial settings (e.g., petrochemicals, oil and gas, etc.). She will share:

- Some of the benefits and challenges of using digital procedures
- Necessary work analysis for successful implementation of digital procedures
- “Deal breakers” for successful implementation of digital procedures

Camille Peres, Associate Professor, Environmental & Occupational Health, Texas A&M

12:45 pm EST (35 mins) **Build O&G Operational Resilience Through Practical Workforce Scheduling Automation**

Many organizations are finding the pandemic has amplified workforce management issues that have long existed for them. Addressing these issues is no longer a matter of striving for operational excellence – it is now about business survival. While digital transformation sounds like a complex undertaking, it is possible to achieve in a practical manner. Join Sachin Agrawal, CTO at Shiftboard, for an overview of the unique challenges refineries, pipelines, and petrochemical companies face, and how workforce scheduling automation can help tackle them. During this webinar, you will learn:

- How to continue to stay compliant with fatigue rules, labor laws, union agreements, and internal policies

Questions about this year's event? Email Event Director Leslie Allen at leslie.allen@iqpc.co.uk

11th Annual Operational Excellence in Oil & Gas

November 2-4, 2020 | Online Event

- How to create fair and flexible schedules for employees while keeping operations running smoothly
- How to identify and reduce unnecessary costs via smart scheduling workflows
- Scheduling practices that can maintain and build employee skills in times of labor shortage

Sachin Agrawal, Chief Technology Officer, Shiftboard

**1:30 pm EST
(35 mins)**

Applied Data Science: Value Drivers'

Data Science (DS) solutions need to lead to actions to realize value. Production DS is not only about algorithms: data pipeline development, feature engineering, model validation and lifecycle management are fundamental components. At Equinor, we are approaching DS from a platform perspective. We solve different problem sets with a common "mold". As a result, we reduce our implementation costs. We call this methodology epsilon-cost scaling. This is being applied to operational planning and predictive maintenance for instance.

Fakhri Landolsi, COO DIGITAL COE, Head of Data Science, North America, Equinor

Wednesday, November 4, 2020: Online Conference Day Three

**11:00 am EST
(35 mins)**

Optimize Manual, Paper-based Processes with AI

The goal of becoming a "data-driven" and "AI-enabled" business has never been more attainable for Oil & Gas companies. There are three major reasons:

1. Innovation has traditionally been focused on developing resources but in the current environment there is a greater focus on operating more efficiently.
2. There are many rudimentary document-based processes that have gone unchanged in decades and are ripe for optimization.
3. Significant breakthroughs in deep neural network architecture make it possible to extract information from documents and refine data for consumption by downstream systems, making it possible to automate paper-based processes

Tianhao Wu, PhD, has been a data scientist for more than 15 years. In 2005 he began working at Ask.com, one of the first search engines to respond to questions in natural language rather than by traditional keyword searching. Since then he has been deeply enmeshed in helping machines and humans communicate in natural language.

In this webinar, Dr. Wu will discuss how Oil & Gas companies can take advantage of recent breakthroughs in deep neural networks to optimize document-based processes with AI, by putting powerful AI tools in the hands of business SMEs to build their own models.

Tianhao Wu, PhD, Chief Technology Officer, Singularity Systems Inc.

Michael Grant, Vice President North American Sales, Singularity Systems Inc.

11th Annual
Operational Excellence in Oil & Gas

November 2-4, 2020 | Online Event

**11:45 am EST
(35 mins)**

The Connected Worker: Finding the Right Approach to Change

- Moving beyond the technology: improving work processes, overcoming the challenges of
- disconnected data across your operational value chain
- Transforming operational models and standardizing across business units
- Cultural leadership: getting buy-in from the top and the ground floor
- Maintaining the right approach for your change initiative to succeed

Mark Hutcherson, Director Operational Excellence, ConocoPhillips

**12:30 pm EST
(35 mins)**

Using CI Approaches Aligned with HRO Principles to Become 'Systematic and in Control'

- Reframing an Operational Management System with clear and simple requirements for the organization to achieve
- Organizing to support the change you need to make
- What is a High Reliability Organization - turning HRO principles into 'the way leaders lead'
- The role of (HRO) principle based decisions in promoting cultural change
- How to embed sustainability by how you implement change
- Using CI approaches and HRO behaviours to change company culture
- The role of assurance in creating the improvement loop

Robin Gardiner, Vice President, Deployed HSE, Husky Energy

Eric Wakley, Vice President, Safety, Risk & Central, Operations and Environment, Husky Energy

1:15 pm EST

Operational Excellence in Oil & Gas Event Ends