

# Global Shutdown, Turnaround, Outages and Inspections Forum

21-22-23 May 2025

Van der Valk Hotel Schiphol Amsterdam,  
Netherlands

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# CONFIRMED SPEAKERS 2025



**Jaap-Klaas Hoekstein**  
Vice President  
SAP



**Dr. Nikolaos Liapis**  
Energy Consultant  
ActaNonVerba  
Managing Partner



**Fiorenzo Calo**  
Specialist – Loss Prevention  
STUDIO ING CALO



**Giuseppe Chiofalo**  
Senior Maintenance Engineer  
Raffineria Di Milazzo



**Abidul Islam**  
Manager, Inspection & Corrosion  
ADNOC



**Dr. Chandima Ratnayake Mudiyansele**  
Professor  
University of Stavanger



**John Lilley**  
Operations Director  
EEMUA (Engineering  
Equipment & Materials  
Users Association)



**Akachidike Kanu**  
Projects Leader  
Repsol



**Mehmet Sahin Cengiz**  
Rotating Engineer and Subject  
Matter Expert Explosion Protection  
Shell



**Ayssar Hanza**  
Risk Engineering Director  
ACE Energy



**Nezar Baaqeel**  
Reliability Engineer  
Aramco



**Ricardo Gonzalez**  
Corporate Inspection Expert  
TotalEnergies



**Erik Nijveld**  
CEO  
TechnologyCatalogue.com



**Tomasz Jarmicki**  
Director  
Gas Technologies Development and  
Implementation Office  
ORLEN SA



**Cromwell Cuvalay**  
Business Change Manager  
Tata Steel



**Neil Endley**  
Global Director,  
Consulting & Engineering  
TRIGO



**Hansjoerg Zimmermann**  
Professor  
Macromedia



**Colin Xander**  
North America Turnaround Director  
INEOS Styrolution



**Ahmed El Sherif**

Reliability and Asset Management Department Head at AMOC  
Reliability & Asset Management Consultant



**Karin Lugnégard**

Head of Health & Safety  
Vattenfall



**Meqren K. Al meqirem**

Maintenance and the T&I Engineer, Gas Storage Department  
Aramco



**Quintin Griessel**

Area Manager Maintenance Planning  
Shutdown  
Sasol



**Eddie Young**

Managing Director, Fired  
Equipment Specialist IRED  
Engineering & Inspection



**Joji Sebastian**

Reliability Engineer  
LyondellBasell



**Faisal Mahmud**

Director of Projects  
IRED Engineering & Inspection

## ABOUT THE EVENT

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The Annual Shutdowns Turnarounds, Maintenance & Inspection Forum, taking place 21-22-23 May 2025 in Amsterdam will provide you with innovative solutions and new strategies to tackle your on-going, critical turnaround challenges. This information-packed event will help you achieve your turnaround milestones, delivering proven solutions, applicable case studies and problem-solving discussions. Your team and your company will benefit from your new plan of action.

## MAJOR TOPICS

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- ▶ V-Planning – stepwise shutdown and startup of process-systems
- ▶ Applicable methods for the identification and the assessment of hazards related to shutdowns and turnaround: What if, HAZID, HAZOP, Layers of Protection Analysis (LOPA)
- ▶ Asset management and TA planning on aged process unit
- ▶ Turnaround Proactive Rotating Equipment Time-Based-Inspection
- ▶ Asset integrity assessment and control to enhance reliability
- ▶ Latest updates on AI, Avatar and Ed-Tech Training
- ▶ Leveraging smart Inspection Technologies for Efficient Turnaround Execution
- ▶ Enhancing Shutdowns and Turnarounds: The Critical Role of Process Safety in the Oil and Gas and Chemical Industries



## INDUSTRIES TO ATTEND:



Oil and Gas  
Companies



Finance and Insurance



Utilities



OEM



Biolng & RNG  
Plants Operators



Technology &  
Equipment  
Suppliers



Renewable  
Energy  
companies



Policy Makers



Consultancies



Technology and  
Service Providers



Environmental  
Managers



## ATTRACTING KEY INDUSTRY PROFESSIONALS:

CEO, VP, Head, Director, and Manager of:

- Shutdown/Turnaround
- Asset Management
- Scheduling and Planning
- Technology: Digitalisation, AI, Robotics
- Engineering and Consultancies

8:30	<b>Registration and morning coffee</b>
9:00	<b>Opening address from the Chairman</b>
9:05	<p><b>Easy access to hundreds of proven technologies</b></p> <p>The B2B technology platform TechnologyCatalogue.com was launched in 2018 with the aim to make it as easy as possible to find &amp; select technologies, and to get those technologies deployed. It contains hundreds of proven technologies for maintenance &amp; turnarounds.</p> <p><b>Erik Nijveld</b> CEO TechnologyCatalogue.com</p>
9:35	<p><b>Reliability and Turnaround: Key Considerations in Business</b></p> <ul style="list-style-type: none"> <li>· Integrate Reliability into Turnaround Planning to Prevent Unplanned Downtime</li> <li>· Align Operations, Maintenance and Reliability for Sustainable Improvements</li> <li>· Use Real Time Data and Analytics to Prioritize Maintenance and Mitigate Risks</li> </ul> <p><b>Joji Sebastian</b> Reliability Engineer LyondellBasell</p>
10:05	<p><b>InGrid, Power to Gas. Testing &amp; Experimental Facility for addressing transformation challenges</b></p> <ol style="list-style-type: none"> <li>1. Introduction ORLEN Group Energy market transformation</li> <li>2. Implication for petro and refinery sector</li> <li>3. The challenges that have to be addressed in delivering green H2 for petro and refinery STO</li> <li>4. Power to Gas installation Testing &amp; Experimental Facility</li> <li>5. Flexibility and facilitating potential of Power to Gas installation</li> </ol> <p><b>Tomasz Jarmicki</b> Director Gas Technologies Development and Implementation Office ORLEN SA</p>
10:35	<b>Networking coffee break</b>
11:05	<p><b>Applicable methods for the identification and the assessment of hazards related to shutdowns and turnaround: What if, HAZID, HAZOP, Layers of Protection Analysis (LOPA)</b></p> <p><b>Fiorenzo Calo</b> Specialist – Loss Prevention STUDIO ING CALO</p>
11:35	<p><b>Latest updates on AI, Avatar and Ed-Tech Training</b></p> <p><b>Hansjoerg Zimmermann</b> Professor Macromedia</p>

# AGENDA

# DAY 1

21 / 05 / 2025

12:05	<b>Lunch break</b>
13:35	<p><b>A comprehensive review of the inaugural Turnaround and Inspection Program conducted at the Kingdom's first facility.</b></p> <p><b>Meqren K. Al mequirem</b> Maintenance and the T&amp;I Engineer, Gas Storage Department Aramco</p>
14:05	<p><b>Enhancing Shutdowns and Turnarounds: The Critical Role of Process Safety in the Oil and Gas and Chemical Industries</b></p> <p>Effective management of shutdowns and turnarounds is critical in the oil and gas and chemical industries, where the stakes for safety, efficiency, and operational continuity are high. This presentation focuses on the essential role of process safety in these complex operations and explores how a comprehensive understanding of risk management, team dynamics, leadership, culture, and human factors can significantly impact their success.</p> <p>Shutdowns and turnarounds are periods of intense activity, involving numerous personnel and intricate tasks within a limited timeframe. The potential for hazardous incidents is elevated, making process safety a paramount concern. This session will illustrate how robust process safety protocols and a proactive approach to risk management can mitigate these risks, ensuring both personnel safety and asset integrity.</p> <p>Key topics include the importance of clear and effective leadership, fostering a safety-centric culture, and the pivotal role of human factors in minimizing errors and enhancing performance. Examples from the oil and gas and chemical industries will highlight successful strategies and lessons learned. Attendees will gain insights into the integration of safety principles into team working and decision-making processes, emphasizing the necessity of comprehensive training and continuous improvement.</p> <p>By understanding and applying these principles, organizations can not only improve the safety and efficiency of shutdowns and turnarounds but also enhance their overall operational excellence with the knowledge and tools needed to navigate the complexities of shutdowns and turnarounds, ultimately contributing to safer, more effective operations.</p> <p><b>Ayssar Hanza</b> Risk Engineering Director ACE Energy</p>
14:35	<p><b>Manufacturing Operational Turnaround and financial performance</b></p> <p><b>Neil Endley</b> Global Director, Consulting &amp; Engineering TRIGO</p>

15:05 Turnaround, corrosion, inspection and a risk-based work selection

**Ricardo Gonzalez**  
Corporate Inspection Expert  
TotalEnergies

15:35 Implementing Industry 4.0 Technologies in STO Management

Explore the role of Industry 4.0 technologies (Internet of Things (IoT), Artificial Intelligence (AI), Big Data Analytics) in managing shutdowns and turnarounds.

Highlight predictive maintenance and real-time monitoring solutions development through Industry 4.0

Present case studies showcasing technology-driven improvements.

**Dr. Nikolaos Liapis**  
Energy Consultant  
ActaNonVerba  
Managing Partner

## AGENDA

## DAY 2

22 / 0 5 / 2 0 2 5

09:05 EEMUA's guidance in relation to STO processes

**John Lilley**  
Operations Director  
EEMUA (Engineering Equipment & Materials Users Association)

09:35 Asset integrity assessment and control to enhance reliability

Asset integrity management/ ISO55000, 1&2.  
Role of human factors in minimizing variability in assets' performance for reliable operations.  
Asset integrity failures: organizational and technical perspectives.  
Utilizing artificial intelligence (AI) to minimize waste in asset integrity assurance processes and enhance operational reliability.

**Dr. Chandima Ratnayake Mudiyansele**  
Professor  
University of Stavanger

10:05 Networking coffee break

10:35



11:05 Topic TBA

**Cromwell Cuvalay**  
Business Change Manager  
Tata Steel

11:35 Asset management and TA planning on aged process unit

**Giuseppe Chiofalo**  
Senior Maintenance Engineer  
Raffineria Di Milazzo

12:05 Lunch break

13:35 Turnaround Proactive Rotating Equipment Time-Based-Inspection

In one of the gas plants, the gas processing trains are subjected to turnaround every 3-5 years to perform required cleaning and inspection activities for the major equipment, specifically static equipment such as (sulfur pits, vessels, columns, stacks, furnaces... etc, though the static equipment are governed and mandated to be inspected in the aforementioned interval, the rotating equipment however are kept on condition-based inspection.

Such maintenance strategy although it might seem cost effective at the short term, or from direct expenditure perspective but, evidence indicates that it might not be as effective on the long term. These trains are operated usually at their max capacity, and operated until the next turnaround. In the event where condition monitoring detected symptoms of abnormality, it will usually require operational interruptions (load reduction, gas divergence...etc) to check and correct this abnormality which will incur both direct and indirect expenditures.

To overcome this obstacle the gas plant has developed a time-based inspection for selected rotating equipment with high operational impact to attend these equipment during planned and scheduled turnarounds. The program is set with an objective to attend time-affected components such as mechanical seals, wear rings, carbon rings, antifriction bearings...etc, to tackle potential wear related defects ahead of time to avoid encountering them during normal operation.

The program was implemented for over period of 3 years where major reliability improvements were realized upon starting of the trains, equipment defects due to wear and tear were decreased to almost zero percent which reflected positively on the department and equipment Mean Time Between Failures (MTBF), equipment availability and reliability.

**Nezar Baaqeel**  
Reliability Engineer  
Aramco



14:05	<p><b>Fire and Explosion Risk Management during Maintenance Operations: Strategies and Solutions</b></p> <p><b>Mehmet Sahin Cengiz</b> Rotating Engineer and Subject Matter Expert Explosion Protection Shell</p>
14:35	<p><b>Are you thinking of turnaround in terms of ROI?</b></p> <p>Identify the expenditures</p> <p>Identify the incentives</p> <p>Identify any process inefficiencies/deficiencies</p> <p><b>Eddie Young</b> Managing Director, Fired Equipment Specialist IRED Engineering &amp; Inspection</p> <p><b>Faisal Mahmud</b> Director of Projects IRED Engineering &amp; Inspection</p>
15:05	<p><b>Networking coffee break</b></p>
15:35	<p><b>Leveraging smart Inspection Technologies for Efficient Turnaround Execution</b></p> <p><b>Abidul Islam</b> Manager, Inspection &amp; Corrosion ADNOC</p>
16:05	<p><b>Panel discussion:</b></p> <p><b>Sharing best practises and lessons learned</b></p>

09:35	<p><b>Effective Asset Management Practices</b></p> <p>Effective asset management is critical for organizations seeking to optimize their maintenance and reliability strategies, reduce downtime, and improve overall efficiency. I will present a comprehensive approach to asset management, focusing on six key practices that promote a holistic approach to asset maintenance and reliability. These practices include asset value realization, design to disposal, balancing asset aging and maintenance budget, reliability distribution tracking, proactive asset risk mitigation and control, and RCM (Reliability-Centered Maintenance) maximizing value realization.</p> <p><b>Ahmed El Sherif</b> Reliability and Asset Management Department Head at AMOC Reliability &amp; Asset Management Consultant</p>
10:05	<p><b>Networking coffee break</b></p>
10:35	<p><b>Managing contractor relationships</b></p> <p><b>Colin Xander</b> North America Turnaround Director INEOS Styrolution</p>
11:05	
11:35	<p><b>How Sasol digitally prepare, track, report and execute Turnarounds in excess of 1.9million manhours.</b></p> <p>Playbook used for regional alignment In-house Software developed to support preparation and execution tracking Site coordination when executing Large Turnarounds</p> <p><b>Quintin Griessel</b> Area Manager Maintenance Planning Shutdown Sasol</p>
12:05	<p><b>Lunch break</b></p>

**AGENDA** **DAY 3**  
23 / 05 / 2025

09:05	<p><b>Effective H&amp;S contractor management during Shutdowns/Outages</b></p> <p>Strategies to ensure effective H&amp;S contractor management</p> <ul style="list-style-type: none"> <li>- Preparations</li> <li>- Communication</li> <li>- Engagement</li> <li>- Site supervision &amp; coordination</li> </ul> <p>H&amp;S contractor management challenges</p> <p><b>Karin Lugnegard</b> Head of Health &amp; Safety Vattenfall</p>
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13:35	<p><b>STO solution integrated in SAP landscape</b></p> <p><b>Jaap-Klaas Hoekstein</b> Vice President SAP</p>
14:05	<p><b>Topic TBA</b></p>

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**Allan Bernard**

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