

SHUTDOWN, TURNAROUND, MAINTENANCE & INSPECTION FORUM

Delivering Cost Effective, Safe, Quality Shutdown , Turnaround & Maintenance planning On Time and On Budget

27th – 28th – 29th of March 2019
Amsterdam, The Netherlands

EXPERTS SPEAKER PANEL



Ali Izadi
Superintendent
Maintenance A&I
BHP
AUSTRALIA



Barney Smith
Business Development
Manager, North America
(NAM)
Aggreko
USA



Henk Van der Heide
Turnaround Manager
Stork
THE NETHERLANDS



Michel Tol
VP Product Marketing
eVision Industry
Software
THE NETHERLANDS



Lars Bessems
Expertise Manager
Turnarounds and Projects
Perfect Group
DENMARK



Ahmed A Zaher
Planning & Turnaround
Manager Technical Advisor
SIDPEC
EGYPT



EJ (Ted) Lister
Managing Director
STO Navigator Inc.
CANADA



Chris Vaughn
Plant Manager
Addivant
USA



Hossein Ghavimi
R&D Manager
Add Energy Asset and
Integrity Management
UNITED KINGDOM



John Thropp
Senior Advisor
The Project Gearbox AS
NORWAY



Elmer Sachteleben
Senior Cost Engineer, Director of
Academy
Cost Engineering
THE NETHERLANDS



Kenneth Låtveit
Business Development
Manager
IK-Norway AS
NORWAY



Chris van der Neut
Application Manager
Stork
THE NETHERLANDS



Amine Mallek
Offshore Maintenance
Superintendent
Perenco
TUNISIA



Adeel Younus Memon
Senior Contracts Engineer
KBR
UAE



Zakarya Hiba
Asset Integrity Group Leader
Saudi Aramco
SAUDI ARABIA



Mohamed Elsayed Mohamed
Maintenance Planning Team
Leader
Egyptian Ethylene &
Derivatives Company EGYPT



Martin van den Heuvel
Principal Asset Management
Consultant
MISI
THE NETHERLANDS



Peter Übelmesser
Sen. Manager Key Account
Gasket Division
Frenzelit
GERMANY



Georgia Kalogridaki
Senior Project Planner /Scheduler
Fine Consulting Ltd
GREECE



Naeem Ur Rashid
Chief Strategy Officer
Descon Engineering
PAKISTAN



Lee French
Business Development
Manager
SMS
UNITED KINGDOM

08:30 Registration

08:50 Opening address from the Chair

09:10 Opportunistic Shutdown Management

- Difference between Turnaround and opportunistic shutdown
- Opportunistic shutdown stages
- Management flow for opportunistic shutdown
- Planning for opportunistic shutdown
- Decision making and opportunistic shutdown scenarios
- Execution and close out
- Opportunistic shutdown life cycle and time line

Mohamed Elsayed Mohamed
Maintenance Planning Team Leader
Egyptian Ethylene & Derivatives Company



09:50 Turnaround Change Management: an Organization's Transformational Journey DuPont Case Study

- This presentation will follow a DuPont site's two-year journey to improve their Turnaround management system
- The journey will highlight the challenges, struggles and success of how they implemented Turnaround Best Practices during a critical period for capacity release
- The journey will also show the importance of leadership commitment, engaged employees and processes that are aligned to safely execute Turnarounds.
- This presentation will share visual management and post-Turnaround critique techniques and methodology

Chris Vaughn
Plant Manager
Addivant



10:30 Avoiding Asset Cardiac Arrest

- The fundamental considerations for building and optimising your maintenance for a streamlined and efficient shutdown
- How to Identify marginal gains to assure ROI
- Lessons learned: An insight into the execution of the world's largest asset management projects, covering over 2 million equipment tags across 7 regions

Hossein Ghavimi
R&D Manager
Add Energy Asset and Integrity Management



11:10 Introduction

Naeem Ur Rashid
Chief Strategy Officer
Descon Engineering



11:20 Coffee & Networking Break

Dynamic Scheduling for STO -Look Away from Look-Aheads

Unlike plans, which are logical, static and predictable, schedules are dynamic, ever-changing and difficult to control if you haven't programmed your scheduling software to react to changing conditions. During this presentation you'll be introduced to a scheduling methodology referred to as Dynamic Scheduling, which uses the full functionality of the algorithms programmed into the scheduling software, allowing you to re-schedule within minutes, between shifts, to adjust to changing conditions. No more issuing 3-7 Day Look-aheads because you can't respond quickly enough to changing conditions.

EJ (Ted) Lister
Managing Director
STO Navigator Inc



12:30 Business Lunch

13:30 Using Asset Real Time data from planning to execution to optimise shutdown management

- Using Asset Real Time data from planning to execution to optimise shutdown management
- Using Virtual/ Augmented Reality to execute complex maintenance tasks safely and efficiently
- Managing emerging work with minimum impact on budget and resources
- Measuring performance of plant turnarounds and shutdowns using productivity tracking throughout the project
- Improve the planning, scheduling and execution of future shutdowns through data collected from prior projects

Ali Izadi
Superintendent Maintenance A&I
BHP



14:10

Increase in performance of static seals

- Graphite gaskets:
- Impact of metal reinforcement of gasket material on sealing systems
 - Impact of brand new XP-Technology for novaphit® gaskets on maintenance costs and on safety
 - Increase in long-time performance of graphite gaskets by XP-Technology
- FA-gaskets:
- Increased adaptability of novapress® 880 and impact on sealing performance
 - Gasket-code Technology

Peter Übelmesser
Frenzelit



14:50

Asset Integrity Management: The need for technical experts in a digital(ising) world

- Digital is here (and here to stay)
- Digitally enhanced inspection services
- The need for technical experts in a digital(ising) world
- SMS case studies: Hose management and EX electrical inspection

Lee French
Business Development Manager
SMS



15:30 Afternoon Tea and Networking Break

16:00 PANEL SESSIONS / INTERACTIVE DISCUSSION WITH ATTENDEES Q&A

- How to cope with the industry challenges that we are facing today?
- Planning for a successful start up

Moderator: Chairman

Panelists: Speakers of the day/Sponsors/Delegates

17:00 Chairman's closing remarks and the end of Day One

17:30 Business Cocktail Reception

DAY TWO - Thursday, 28th March 2019

08:30 Registration

08:50 Opening address from the Chair

09:10 Long and Short-Term Project Planning and Scheduling of Tank Maintenance

Georgia Kalogridaki
Senior Project Planner / Scheduler
Fine Consulting Ltd.



09:50 Risk Based Inspection & Fitness Fir Service

Zakarya Hiba
Asset Integrity Group Leader
Saudi Aramco



10:30 Proper planning of temporary power to mitigate safety risk and reduce operating cost during turnarounds

- Hazard analysis and tools to identify and mitigate risk
- Evaluating contractor needs to avoid project oversizing
- Maximizing the use of plant power through temporary distribution systems
- Capturing load data for project review and future improvement

Barney Smith
Business Development Manager, North America (NAM)
Aggreko



11:10 Coffee & Networking Break

11:40 Improving Maintenance and Shutdown Management through digital innovation

- Understand how modern tools like digital Permit to Work can positively impact the effectivity and productivity of your workforce
- Learn about useful industry innovations, from Barrier Management to digital P&ID
- Hear testimonials from industry supermajors
- Learn how we can move forward together towards safer, more efficient operations

Michel Tol
VP Product Marketing
eVision Industry Software



12:20 Business Lunch

13:30 Digitalization in Turnarounds

- Interfacing & Simplicity is the key
- 1 database for all relevant information (work packs, progress, quality, scheduling, information, deviations)
- Direct communication and problem solving
- Availability and access to information always and everywhere
- Insight in progress, always and everywhere

Joint Presentation

Chris van der Neut
Application Manager
Stork

Henk Vander Heide
Turnaround Manager
Stork



14:10 Inspection Scope optimization for TA's using robotics such as drones, Optimized Risk Based Inspection Strategies and Non-Intrusive Inspection.

- How to save cost on the inspection scope for Turn Arouns
- Use an optimized Risk Based Inspection Strategy
- How to use robots for inspection during a TA
- What does your 4.0 strategy for inspection look like, use digital twinning, compliance monitoring, optimal use of big data files

Martin van den Heuvel
Principal Asset Management Consultant
MISI



14:50 Total Cost Management for Turnarounds: Neste Case Study

- Tendering and contracting techniques for Turnarounds
- Closing the gap between Cost Estimation and Cost Management
- Neste case study: Completing a challenging turnaround on time and under budget by implementing Total Cost Management

Elmer Sachteleben
Senior Cost Engineer, Director of Academy
Cost Engineering



15:30 Afternoon Tea and Networking Break

16:00 REVIEW & ANALYSIS BY EXPERTS /PANEL DISCUSSIONS / MASTER CLASSES

- Asset lifecycle,maintenece /overhaul or Installation - What matters most with current dynamic portfolios?
- What does the industry need the most right now? (AIM/Maintenance /Inspection Insights)

Moderator: Chairman

Panelists: Speakers of the day/Sponsors/Delegates

17:00 Chairman's closing remarks and the end of Day Two

DAY THREE - Friday, 29th March 2019

08:30 Registration

08:50 Opening address from the Chair

09:10 Plan of Actions & Milestones, (POA&M), A Proven Road-Map Toward Effective Shutdowns and Turnarounds Preparation. A Success Story

- Strategizing and recognizing values in shutdowns and turnarounds
- Building required values through step by step POA&M
- Planning shutdowns and turnarounds preparation phases with POA&M
- Managing risks in shutdowns and turnarounds preparation and execution
- Planning for logistics and support activities.

Ahmed Abdel-Zaher Khalifa
Planning & Turnaround Manager Technical Adviser for
Maintenance & Engineering
Sidi-Kerir Petrochemicals Co. (SIDPEC)



09:50 How Agile Can Help Turnarounds to Succeed

- How to make Agile and Waterfall work together
- Advantages of Agile Methodology
- Perform Continuous improvement in an agile way during the whole Turnaround
- What is the Impact on the Turnaround Team, pro's and con's

Lars Bessems
Expertise Manager
Perfact Group



10:30 If only this Flange had an Isolation valve...

- Isolating the pipe/pipeline over a 8in- class 1500 flange pair. (Purpose: Valve maintenance)
- Splitting the flange pair under full pressure (150 bar)
Remove the gasket
- Insert a blind spade
- Reverse the operation and hand over to client

Kenneth Låtveit Business
Development Manager
IK-Norway AS



11:10 Coffee & Networking Break

11:40

Impact of Maintenance Strategies in Reducing Costs and Budget

- How to build Maintenance Strategies by selecting the right combination of the four maintenance philosophies: corrective, preventive, risk-based and condition-based maintenance.
- How to reduce Maintenance Budget while preserving the optimum level of Maintenance Effectiveness and Efficiency.
- Best Practises and approach to reduce Maintenance costs by executing the right Preventive (systematic and conditional), Corrective and Predictive Maintenance.
- How to assure and improve Plants reliability through better maintenance (RCM Reliability Centred Maintenance approach).
- How to assess and improve the productivity of Maintenance Strategies.

Amine Mallek
Offshore Maintenance
Superintendent
Perenco



12:20 Business Lunch

13:30

Managing Contract Interfaces for Turnarounds

- Planning far ahead
- Managing the Contract Package Interfaces
- Interface Management in Mega-Projects
- Meanwhile, far from Utopia - being pragmatic in the real world

John Thropp
Senior Advisor
The Project Gearbox AS



14:10

Turnaround Summary: Techniques and Best Practices to Record the Lessons Learned during the Stipulated Duration of the Petrochemical Plant Shut Downs

- Reviewing the turnaround summary report and key lessons learned. What opportunities exist to make the shutdown better for next time?
- Strategies for conducting the post turnaround review meeting
- Ensuring next steps and documentation are in place to manage the quality of the start-up procedure for the next turnaround.

Adeel Younus Memon
Senior Contracts Engineer
KBR



14:50 Afternoon Tea and Networking Break

15:20

ROUND TABLE DISCUSSIONS

This session is an open discussion, before the end of the conference

16:00 Chairman's closing remarks and the end of Forum

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Descon Engineering Limited is an integrated engineering services and manufacturing company operating in Pakistan and the Middle East. We are in the business of delivering client-specific solutions for projects related to Energy, Infrastructure and Process industry. The integrated package of services encompasses engineering, procurement, manufacturing, construction, commissioning and maintenance.

We are a multinational company renowned in the region for its quality, safety and on-time delivery of projects and products. All the faculties required to deliver turnkey projects, reside within the company. This unique strength enables us to provide solutions as EPCC (Engineering, Procurement, Construction and Commissioning) services provider to a host of international clients.

Cost Engineering (Bronze Sponsor)



Cost Engineering Consultancy has been an independent and reliable partner in cost engineering services and software since 1996. Our certified cost engineers have helped owners and (EPC) contractors worldwide in their cost engineering activities on numerous industrial projects.

Cost Engineering Consultancy's main areas of expertise are:

- Cost Engineering Services (Cost Estimating, Cost Control, Risk Management)
- Total Cost Management Software - Cleopatra Enterprise
- Cost Data Development
- Cost Engineering Academy
- Professional Services

Combining a solid knowledge of the cost engineering profession with professional tools for cost estimating and project controls, Cost Engineering Consultancy is able to provide owners and EPC firms with a total solution for their cost engineering efforts.

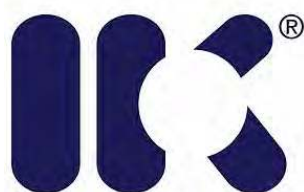
Frenzelit (Exhibitor Partner)



Family-owned company with a long tradition and a bright future Gaskets and gasket materials, insulation and insulation materials, expansion joints and heating systems – these are the product segments of the family-owned company that has been in business for more than 135 years. Around 500 employees worldwide implement innovations with a customer focus and independently shape the future of the company.

Frenzelit products demonstrate their effectiveness to customers throughout the world every day in automotive, heating and air conditioning, medical engineering, safety engineering, shipbuilding, electrical appliance, machine manufacturing, plant engineering, energy industry and process industry applications. Frenzelit is also your competent and predictable partner for maintenance and inspection – a segment in which this medium-sized family-owned company has been active for more than 135 years.

IK-Norway AS (Speaker Partner)



IK-Norway is an innovative service company specializing in the repair of pipelines and structural tubulars. Besides developing special tools for subsea applications our main area of expertise is within the plugging and clamp repair of pipelines subsea and topsides, all sizes. IK-Group focuses our attention on repair and intervention work avoiding or reducing necessary shut-down time to an absolute minimum to ensure the overall economic impact is as small as possible. We have several departments all with a key focus area including; Shut-down Field Services, Torque and Pressure Technology, Pigging Products and Services, Offshore Structural Repair, Subsea and topsides piping and pipeline plugging and permanent clamp repair.

SMS Alderley (Speaker Partner)



Throughout their history, SMS have successfully designed, delivered and maintained specialist systems for the global subsea, intervention and onshore markets.

Repeatedly partnering with some of the biggest names in the oil and gas industry, SMS' reputation is founded upon more than just their technical ability. Continuously striving to drive down costs and improve efficiency, SMS pride themselves on their customer focus, quality, operational safety and on-time delivery.

From design, engineering, installation and commissioning, to inspection, repair, upgrade and supply chain services, SMS are the trusted experts for hydraulic, pneumatic and electrical control systems in the energy industry