

DIGITAL SHUTDOWN & TURNAROUND

21ST - 22ND JUNE 2021 | VIRTUAL CONFERENCE



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21st -22nd June 2021 | Virtual Conference

“An operationally excellent company will have lower operational risk, lower operating costs, and increased revenues relative to its competitors, creating value for customers and shareholders.”

– Martin Richards, Senior Director – Energy Industry Strategist, OpenText

EVENT OVERVIEW

Today, many organisations in the industrial sector are facing the growing challenge of ageing assets and increasingly complex infrastructure. Whilst safety remains paramount, optimizing asset reliability has become just as crucial to stay competitive and to realize cost efficiencies. This has been the case for Shutdowns, Turnarounds & Outages (STOs), which typically incur significant expenditure for the operator.

Clearly, a need to address the estimation of costs and scheduled time for STOs, and the efficiency of planning and execution of them, still stands. This challenge certainly isn't a new one but substantial gains are being made by organizations that have employed data analytics and digital technologies for asset maintenance and operations. By leveraging digital resources to manage complex challenges, many inherent risks of STO activities are being mitigated, avoiding negative impacts on facility profitability, safety performance and regulatory compliance. As such, more organizations are keen to reduce their capital expenditures and improve overall turnaround efficiency.

Achieving better outcomes from the STO phase, however, effectively demands a maintenance 'model' that can be readily tuned to changing reliability and economic parameters quickly and effectively. Such approaches can be found at the **Digital Shutdown & Turnaround by Trueventus**. Come join us at our conference where professionals are brought together to discuss about the cost-effective means of maintenance optimisation through the life of facilities.

WHY YOU CANNOT MISS THIS EVENT

- Optimize the delivery of project scope on budget by using predictive analytics to inform required maintenance procedures
- Capture asset performance more accurately with advanced sensors to gauge the right amount of effort and time needed for maintenance
- Schedule and manage work orders more efficiently with integrated systems built for greater oversight
- Pursue higher job efficiency and minimized operational downtime through tighter quality control enabled by monitoring technologies

WHO SHOULD ATTEND?

This event is targeted but not limited to:

- CEOs, CFOs, CIOs & COOs
- Project Directors & Managers for STO / Commercial / Facility / Asset / Plant / OHSE
- Plant Engineers & Supervisors for Maintenance / Mechanical / Planning & Scheduling
- Asset Management Specialists
- STO Planners

VPs/ Directors /Heads /Managers of:

- Shutdown & Turnaround
- Research & Development
- Inspection
- Planning
- Operations
- Maintenance

From the following industries:

- Oil & Gas (Offshore & Onshore)
- Natural Gas Processing
- Petrochemicals
- Energy & Utilities
- Engineering & Construction
- Manufacturing
- Refineries
- Information Technology & Services
- BIM Consultancy
- Project Management
- Suppliers & Manufacturers
- Mining

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FEATURING PRESENTATION AND CASE STUDIES BY DISTINGUISHED SPEAKERS



Mohammad Siddiq
Construction Specialist
SPIE Oil & Gas Services, Dubai



Sergio Vidal
Pump Maintenance Specialist
North Oil Company, Qatar



Emile Fakhoury
Senior Manager
Energy Consultant, Dubai



Ghulam Mustafa
Sr StartUp &
Commissioning Engineer
**Petroleum Development Oman,
Oman**



Manoj Kumar Singh
Global IT
Program Manager
**McDermott International Inc,
Dubai**



Dr Ghulam Hashmi
Condition Monitoring Expert
Saudi Aramco, Saudi Arabia



M. Rehan Afzal
Senior Process Engineer
Wood, UAE



Giorgio Geraci
Manager, Operation Readiness & Assurance
ADNOC, Dubai



Ir. Rachman Ardiansyah, MSc., LSBB.
Facility Engineering Superintendent
Sele Raya Belida, Indonesia



Abhijit Hazarika
Technical Specialist
Oil & Gas Operations Management
ADNOC Group, Abu Dhabi



Sara Abdel Hameed
IT Project Management
Office & Governance
ASGC Constructions L.L.C



Tamer Elzayyat
Lead Engineer,
Manufacturing IT Applications
Methanex Corporation, Egypt



Ahmed Radwan
Central Maintenance &
Reliability Manager
Air Liquide, UAE



Shahrin Oli Mohamed
Chief Information Technology &
Digital Officer, Global LNG
Shell, Dubai



Mahmoud Abd El-Wahab
Instruments &
Control System Engineer
Mansoura Petroleum Company.



Dimple Trivedi
PMO Risk Leader,
MEA Region
GE, UAE



Auson Alex Kamugisha
Senior Planner
Karara Mining, Perth

DIGITAL SHUTDOWN & TURNAROUND

21st-22nd June 2021 | Virtual Conference

Day One: Monday 21st June 2021

0800 **Registration**

0845 **Opening keynote address**

0900 **Session One**

Futureproofing STO Processes: Making the Digital Improvements to Get On with Better Maintenance

- Integrating digital solutions into existing STO, safety & security systems to improve the data capture process, which enables more accurate analytics and smoother work flow
- Mobile tracking applications to ensure safety of personnel and allow live and accurate transmission of data
- Automated maintenance alert devices that are able to scan and determine if a systems efficiency is reducing

Shahrin Oli Mohamed, Chief Information Technology & Digital Officer, Global LNG
Shell, Dubai

0945 **Session Two**

Lifecycle Management: Mitigating slow-maintenance time and STO schedule overrun using integrated change management software

- Streamline processes within the work scope by fully developing digital workflows for agile job completion
- Establish a necessary framework for an extensive level of collaboration between project stakeholders
- Accurately assess the extent of contractors' involvement in STO with predictive analytics to manage scope effectively and simplify workflow organization

Ghulam Mustafa, Sr Start-Up & Commissioning Engineer
Petroleum Development Oman, Oman

1030 **Morning break**

1100 **Session Three**

Data Reusability: Deriving critical insights from previous STO data collected in a digital content library

- Use a 'single source of truth' to simplify the retrieval and tracking of STO-critical documentation
- Improve understanding of the expected performance of systems and how various components will work together to meet project demands
- Ensure better outcomes on future STOs by optimizing the failure prevention recommendations automatically generated by the system through selections

Manoj Kumar Singh, Global IT Program Manager
McDermott International Inc, Dubai

1145 **Session Four**

Scope Management: Leveraging AI-powered planning tools to identify STO risks and eliminate scope creep

- Reduce the likelihood of new scope items from potentially impacting cost, schedule, quality, and safety
- Use data analytics to evaluate contractor performance and predict potential risks on a day-to-day basis
- Review quality and safety risk patterns across STOs to inform decisions within the STO steering team and drive continuous improvement

Rehan Afzal, Senior Process Engineer
Wood, UAE

1230 **Networking luncheon**

1400 **Session Five**

Offshore pumps performance monitoring – examples and practical case

- Current and best practices of pumps performance monitoring to the Oil & Gas offshore environment
- Sea water lift pumps and Crude oil export pumps
- Examples and practical cases of this methodologies and its benefits in maintenance planning, pump repair costs reduction and equipment availability improvement

Sergio Vidal, Pump Maintenance Specialist
North Oil Company, Qatar

1445 **Session Six**

Syncing STO Data: Utilizing machine learning to provide translations between various data sources to ensure information is standardized and compatible for all stakeholders

- Overcome traditional barriers to the alignment of contractor safety and regulatory compliance standards
- Ensure full transparency of critical information and that it is kept up-to-date according to context
- Support better-coordinated maintenance efforts by facilitating the smooth exchange of information between various teams

Giorgio Geraci, Manager, Operation Readiness & Assurance
ADNOC, Dubai

1530 **Afternoon break**

1600 **Session Seven**

Structuring advanced work packages to minimize the chances of on-site accidents and increase job efficiency

- Design advanced work packages to align complex engineering jobs with necessary procurement
- Significantly reduce the number of contractors on-site by planning work schedules to complete scope items in sequence
- Enhance workforce planning for STOs by prioritizing tasks according to time, effort and skills required

Mohammad Siddiq, Construction Specialist
SPIE Oil & Gas Services, Dubai

1630 **Session Eight**

Virtual Guidance: Mastering 3-D visual aids on-site to maintain higher safety standards during STO

- Supplement on-the-job, in-context training with AR and VR technology to accelerate the onboarding of seasonal contractors
- Heighten workers' awareness of safety risks by incorporating visual references and alerts
- Augment maintenance instructions by overlaying them onto physical assets to help workers better understand tasks and how to complete them

Dimple Trivedi, PMO Risk Leader, MEA Region
GE Power, UAE

1700 **Session Nine**

Turnaround Execution: Monitoring STO progress through automated dashboards to accurately track on-site productivity and record vital data

- Enable dashboard data with integrated display for responsible supervisors or divisions to observe safety, operations and maintenance remotely
- Connect to other information processing systems for complete data flow
- Allow the user to seek role-based, customized information content suited to personal job requirement and effective tasks delivery

Auson Alex Kamugisha, Senior Planner
Karara Mining, Perth

1730 **End of day one**

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Day Two: Tuesday 22nd June 2021

0800 Registration

0845 Opening keynote address

0900 Session One

Supporting Digital STO: Ensuring that initiatives for optimal STOs incorporate the digital upskilling of workers

- Seamless, human-machine collaboration enables workers to make continuous improvements on maintenance
- Establish adaptive ergonomics, digital assistance functions, and ability amplifiers for your workers' benefit
- Set up a dedicated digital academy to develop workers' skills and drive a culture of digitalization across the entire project life cycle

Sara Abdel Hameed, IT Project Management Office & Governance

ASGC Constructions L.L.C

0945 Session Two

Data-Driven Problem-solving: Establishing a digital specialist team to continuously improve the STO process for optimum successes in the future

- Data engineers develop more efficient information technology systems such as databases, fast data processing, or new and reliable data sources
- Data scientists use those systems to unlock new insights or knowledge from the data by developing analytical techniques and efficient algorithms
- Translators use their domain knowledge to evaluate and continuously refine digital and advanced analytics solutions

Mahmoud Abd El-Wahab, Instruments & Control System Engineer
Mansoura Petroleum Company, Egypt

1030 Morning break

1100 Session Three

Project Cost Management: Streamlining the functions of estimating, benchmarking and forecasting on a digital platform for accurate tracking of STO costs

- Acquire a unified view of STO costs from previous records to develop more cost-effective maintenance procedures
- Constantly monitor, update and disseminate information across all stakeholders to ensure that true cost savings are being shared
- Determine through templates, cost libraries and third-party cost databases whether using a certain procedure or procurement method will save time and money

Emile Fakhoury, Senior Manager

Energy Consultant, Dubai

1145 Session Four

Optimum Repairs: Running detailed simulations and predictive applications before undergoing STO processes to test applicability of maintenance work

- Strategically plan the STO to minimize necessary downtime for production
- Support better decision making by understanding the suitability of various technical solutions
- Increase energy efficiency and investigate areas of poor performance by collecting and analyzing all kinds of critical data

Ahmed Radwan, Central Maintenance & Reliability Manager
Air Liquide, UAE

1230 Networking luncheon

1400 Session Five

Sensor Tech: Pairing advanced IIoT technologies with predictive analytics to provide project managers with real-time information and optimal control over assets

- Develop a greater, in-depth overview of plant operations via smart connected equipment
- Improve condition monitoring through better remote sensing
- Cut mean time-to-repair and significantly reduce the impact of equipment failures

Dr Ghulam Hashmi, Condition Monitoring Expert
Saudi Aramco, Saudi Arabia

1445 Session Six

Turnaround Execution: Monitoring STO progress through automated dashboards to accurately track on-site productivity and record vital data

- Enable dashboard data with integrated display for responsible supervisors or divisions to observe safety, operations and maintenance remotely
- Connect to other information processing systems for complete data flow
- Allow the user to seek role-based, customized information content suited to personal job requirement and effective tasks delivery

Tamer Elzayyat, Lead Engineer, Manufacturing IT Applications
Methanex Corporation, Egypt

1530 Afternoon break

1600 Session Seven

Committing to the safety and coordination of on-site contractors during STOs by using wireless real-time locating system (RTLS) tags

- Bypass labour management issues by utilizing a smart method of tracking workers in real time across the project's wide location and orientation
- Reduce potential risks and maintenance delays by designing shift schedules according to fatigue incident trends
- Establish a means of monitoring critical events alerts such as man-down, distress calls, and unauthorized area access
(Speaker to be advised)

1630 Session Eight

Digitalization Improves Turnaround (TAR)

- TAR Definition.
 - TAR Scope of Work.
 - Project Management Phase.
 - Digitalization Concept
 - Digitalization Benefits
- Ir. Rachman Ardiansyah**, MSc., LSBB., Facility Engineering Superintendent
Sele Raya Belida, Indonesia

1700 Session Nine

Regulating Heat Exchange: Employing fully modulated controls to maintain the optimal mixture of energy, fuel and oxygen for combustion

- Optimize fuel usage and sustain a longer heater life to minimize the need for STO
- Reduce energy costs by automating precise temperature control so that the heater can maintain operations within design limits
- Improve the overall safety of personnel that may need to perform minor maintenance work without impacting plant's production

Abhijit Hazarika, Technical Specialist Oil & Gas Operations Management
ADNOC Group, Abu Dhabi

1730 End of conference

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COMPANY DETAILS

Name	Industry
Address	
Postcode	Country
Tel	Fax

ATTENDEE DETAILS

1	Name	Job Title
	Tel	Email
2	Name	Job Title
	Tel	Email
3	Name	Job Title
	Tel	Email
4	Name	Job Title
	Tel	Email
5	Name	Job Title
	Tel	Email

APPROVAL

NB: Signatory must be authorised on behalf of contracting organisation.

Name	Job Title
Email	
Tel	Fax
Authorising Signature	

COURSE FEES

	Corporate
Virtual Delegate	USD 995

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PAYMENT METHODS

Payment is due in 5 working days. By Signing and returning this form, you are accepting our terms and conditions.

By Cheque
 Bank Transfer
 Credit Card

REGISTER NOW

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E: johnk@trueventus.com
Take a Snapshot or Scan and Email us

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Limited packages are available.

For further details, contact:

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TERMS & CONDITIONS

- The course fee is inclusive of the event proceedings, materials, refreshment and lunch.
- Upon receipt of the complete registration form, invoice will be issued. Trueventus request that all payments be made within 5 working days of the invoice being issued. Full payment must be received prior to the event. Only delegates that have made full payment will be admitted to event. Clients are responsible for their own banking fees and banking fees will not be absorbed into the booking price.
- Substitution & cancellations policy. Should the registered delegate is unable to attend, a substitute delegate is welcome at no extra charge. Written notifications of all substitutions is required 5 working days prior to the event. Trueventus contracts carry 100% full liability upon receipt of registration. Non payment does not constitute cancellation. A 100% of cancellation fee will be charged under the terms outlined below: Due to limited event seats, Trueventus agrees to book and confirm the seat for the client upon issuance of invoice. Upon signing of this contract, client agrees that in case of dispute or cancellation of this contract Trueventus will not be for total contract value. If a client does not attend the event without written notification at least 5 working days prior to the event date, he/she will be deemed as no show. A no show at the event still constitutes that the client will have to pay the invoice amount that was issued to them. Trueventus does not provide refunds for cancellations. By signing this contract the client also agrees that if they cancel that Trueventus reserves the right to pursue monies owned via the use of local debt collection agency were the client is situated. Furthermore the client will be held liable for any costs incurred in collection of outstanding monies. When any cancellations are notified in writing to Trueventus 5 working days prior to the event, a credit voucher will be issued for use in future Trueventus events.
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- All Trueventus events are held in a classroom or theater format.
- All Trueventus events are held at either 5 or 4 Star Hotels.



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