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Reliability & Maintainability Conference and Exhibition 2022

Main Conference Dates: 13 - 15 December 2022

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Tuesday Day 1 - 13 December 2022

08.30 Registration, Refreshments And Networking

9:00 Welcome Speech by Master of Ceremony **Ms. Lina Al-Rammah, Saudi Aramco**

09:05- 09:10 Opening Speech by Conference Chairman, **Mr. Meshaal Al Khaldi, Manager UFSD, Saudi Aramco**

09:10 – 09:20 Key Note by **Raymond Al Salhani, General Manager, Alhajry Overseas**

09:20- 09:40 **Long Term Performance Trends in Reliability and Maintenance**
Key Note Presentation By **Mr. Kevin McQuillan, Senior Advisor, Solomon Associates**

09:40- 09:50 RAMCon 22 Excellence Awards Distribution

09:50- 10:00 Plaque Distribution Sponsors & Exhibitors

10:00- 11:00 **Opening Ceremony for Exhibition Ribbon Cutting Tour & Midmorning Break**

Session 1

Opening Speech by Session Chairman Mr. Mamdouh B. Al-Aidarous, PE Mechanical, Dynamic Analysis Group, Engineering Consultant, Saudi Aramco

11:00- 11:30 How Accreditation Supporting Inspection Activities? ISO/IEC 17020:2012 specifies requirements for the competence of bodies performing inspection and for the impartiality and consistency of their inspection activities.
Eng. Saleh AlZahrani, General Manager, Inspection Body Accreditation, Saudi Accreditation Center

11:30- 12:10 Panel Discussion:
Importance of having the Optimized Maintenance and Reliability Strategies.

- Impact on Asset Life cycle
- Leveraging the Technology
- Addressing waste, Output & cost
- Contribution to the Organization success

Panel Moderator:
Ali Hazemi, CEO, Industrial Expertise

Panel Member:
Mohammed Saleh Al-Amri, Static Manager, Digitalization Leader, Sabic
Bandar Al-Anazi, Planning and Program Services Senior Planner Executive, Saudi Aramco
Raymond AL Salhani, General Manager, Alhajry Overseas
Abdullah Al Ajmi, Manager, Engineering, Technology, Quality & Customer Technical Support, Ma'aden Rolling Company

12:10 - 12:15 **Ice Breaking Session: Mr. Yahya Asiri, Manager Outbound Logistic, Tasnee**

12:15 - 12:45 **Equipment Health Management for Operational Excellence**
Ibrahim Sayed Al Hashmi, Engineer, Process Automation, Engineering & Technical Support Division, Adnoc LNG

12:45 – 13:15 AT-PAC Ringlock system & scaffolding management software, Hi-Vis®, to save days of Shutdown schedule
Mohamed Omran, Business Development Manager – Scaffolding, Doka

13:15 - 13:20 **Speaker Certificate Distribution**

13:20 – 14:15 **Prayer Break - Lunch & Networking**

| Hall 1 | Hall 2 |
|--|---|
| Themes: Plant Reliability – Session Chairman – Mohammed Saleh Al-Amri, Manager, Static Equipment, Static Equipment, Saudi Kayan | Turnaround & Inspection - Uboud Nasser Al-Ghamdi, Sr. Manager., Turnaround & Major Maintenance, Ar-Razi |
| 14:15 - 14:45 Impact of Drop let Eliminator in Conservation of Water for Ac Plant Cooling Tower in KSA Abdullah K. Alamoudi, Engineer IV, CS/U&FSD/ACSD, Saudi Aramco | Success Story for Achieving Turnaround & Inspection at Gas Oil Separation Plant GOSP in 2022 Alaa K. Al-Marzoq, T&I Director, Projects T&I Unit, South Ghawar Maintenance Division, Saudi Aramco |
| 14:45 – 15:00 First Gas Turbine Combustor Nozzle Inspection Ali Alkhateeb, Maintenance Engineer, Saudi Aramco | Reliable Maintenance during Turnaround/Shutdown Manoj Mittal, Lead Engineer, Planning, TA Maintenance, SABIC |
| 15:00-15:30 Chronic Air Compressor High Oil Temperature and Bearing Vibration Nasser Al-Drivesh , Reliability Engineer, Berri Gas Plant, Saudi Aramco | |
| 15:30 – 16:00 Saudi Aramco's Maintenance and Reliability Knowledge Management Moayad Al-Ajeeb, CSPD Engineer, Saudi Aramco | Study of Sulfuric Acid Plant Sulphur Burner Rotary Cup Enhancement Ali AlDulaijan – Mechanical Engineer, Maaden |
| Closing Remarks and Conclusion by Chairman | |
| Certificate Distribution to Committee Members, Speakers | |
| Afternoon Break and Networking and End of Day 1 | |

Day 2 - Wednesday 14th December 2022

08.00 Registration, Refreshments And Networking

Session 1

09:00 Opening Speech by Session Chairman, Mr. Mohammed M. Alshammari, Maintenance Engineering Unit, Juaymah NGL Fractionation Department, Saudi Aramco

09:00- 09:30 Maximizing Profitability with enhanced Maintenance & Reliability
Mahmoud Jarrar Abdelghani, Regional Director - Strategic Service, Endress+Hauser Middle East

09:30- 10:00 Building the Layers of Process Safety into the Organization
Ayssar Hanza, Risk Engineering Director,

10:00- 10:30 Study of Ammonia Plants Cartridge Filters Frequent Replacement
Mohammed Abdullah Al Nahdi, Engineer, Mechanical, DAP 1, Mechanical Maintenance Phosphate, Ma'aden Phosphate Company

10:30 - 11:00 Morning Networking Break

11:00- 11:30 Key Enablers for a Successful Turnaround
Jayasankar Moonakil, Deputy General Manager, Special Technical Services L.L.C. , STS Oman

11:30- 11:35 Ice Breaking Session

11:35 - 12:05 Integrated APM: Seamless Management of Asset Strategy and Health
Stephen Reeve , General Manager, ARMS Reliability

Panel Discussion:

Achieving safe and successful Turnaround

- Achieving Safe & Successful Turnaround
- use of digitalization in overall Turnaround event
- Interfaces, Alignments & integration among Stakeholders
- Effective TA Management System & ownership
- Safety is core value, not the priority
- Effective Cost and schedule management

12:05 - 12:45

Panel Members:

Moderator: Mohammed M. Alshammari, Maintenance Engineering Unit, Juaymah NGL Fractionation Department, Saudi Aramco

Panelists:

Uboud Nasser Al-Ghamdi, Sr. Manager, Turnaround & Major Maint., Turnaround & Major Maintenance, **Ar-Razi**, Sabic

Tony Zadnikar, President, Europe, Middle East & Canada, **Total Safety**

Gauri Shankar Pareek, Managing Director, **ACIC**

12:45-13:15 Best practices in inspection planning and inspection data management applying digital tools
Kazuki Morii , Operation & Maintenance Engineer| Start-Up & Operation Service Department|O&M Group, JGC Group

13:15 - 14:15 Prayer Break - Lunch & Networking

| Hall 1 | | Hall 2 | |
|---|---|--|--|
| Themes: | Reliability 4.0 | Turnaround and Inspection | |
| Opening Speech by Session Chairman, Mohammed S. Alamoudi, Maintenance Engineer III, U&FSD/WOD, Saudi Aramco | | Opening Speech by Session Chairman Mr. Manoj Mittal, Lead Engineer, Planning, TA Maintenance, SABIC | |
| 14:15 - 14:45 | Central monitor system for fire protection system (CMS) Musab Almuzayil, Saudi Aamco | RTR NHT Reciprocating compressor chronic issue Sultan M Sheikhoon, NRMD, Plant 015 Maintenance Engineer Saudi Aramco | |
| 14:45- 15:15 | Optimizing HVAC Systems in Buildings Using Machine Learning Abdulmajeed Almohanna, Utilities & Facilities Services Dept., Operation & Maintenance Services Unit, Saudi Aramco | Sipchem voyage to achieve excellence in managing Turnaround Maintenance (TAM) in the past years. Mohammed Al-Hussain, Sr. Engineer, TAM Planning, Turnaround, SIPCHEM | |
| 15:15 – 15:45 | Digital Assets to integrate maintenance training with IR 4.0 Cuevas Miranda, Oscar I Maintenance Engineer from RTR, Saudi Aramco | Work Permit Radar System (WPRS) : is an effective visual site management tool to aid turnaround execution team Mohammed Ali Alalyani, Engineer, T/A Planning, Saudi Kayan, SABIC | |
| 15:45 – 16:15 | A Systematic Approach to Evaluate Efficiency, Reliability, and Economic Viability of Using Nanofluid Technologies in HVAC Systems Abdulrahman Alkulaibi, Operation & Maintenance Engineer, Saudi Aramco | Chronic air compressor high oil temperature and bearing vibration Sultan Hamdi, Berri Gas Plant Department, Reliability Engineer, Saudi Aramco | |
| Afternoon Break and networking | | | |
| 16:15-16:20 | Closing Remarks and Conclusion by Chairman | | |
| 16:20-16:25 | Certificate Distribution to Speakers | | |
| 16:25-17:00 | Afternoon Break and Networking and End of Day 2 | | |

Day 3 Thursday - 15th December 2022

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|---------------|---|
| 08:30 | Registration, Refreshments And Networking |
| 9:00–09:05 | Opening Speech by Session Chairman Mr. Ali Hazemi, CEO, Industrial Expertise |
| Themes | Plant Maintenance & Reliability |
| 09:05–09:35 | Floating suction system in floating roof storage tanks. Nawaf Alanzan, Maintenance Engineer, Saudi Aramco |
| 09:35–10:05 | Novel Thermoplastic Lining Technologies for Protection Oil & Gas Assets From Internal Corrosion Murali Adhyatma Bhattar, Technical Business Development Manager. - STS OMAN |
| 10:05 – 10:35 | Lessons Learned in the Transition from Full-Labor Service Contract to Full-Coverage Service Contract Mohammad A. Humaidi, Saudi Aramco |
| 10:35- 11:05 | Conceptual model to assess the reliability, availability and maintainability (RAM) level of the drinking water treatment plant through RAM approach. Rashid Alkhalaf, Engineer IV, Work Planning & ControlGrou, U&FSD, Saudi Aramco |
| 11:05- 11:30 | Afternoon Break and networking |
| 11:30-12:00 | Hisaka Innovation- Sea Water Filter Omar Fahmi Abu Znait, Mechanical Engineer and Sales Manager, Hisaka |
| 12:00 - 12:30 | Journey Towards Measuring & Enhancing the Wrench Time Abdullah Al Mghamsi Maintenance Engineer from RTR, Saudi Aramco |
| 12:30 - 13:00 | Study of Energy Waste In Ammonia Plants Abdulkareem A. Al-Fayyadh, Engineer, Mechanical (PDP), Mechanical Maintenance Phosphate, MPC, Ma'aden Phosphate Company (MPC) |
| 13:00 – 13:30 | C3 Unloading in Jazan Refinery Complex Utilizing Whole Naphtha line Awadhi, Abdullah M, Jazan Refinery Complex, Saudi Aramco |
| 13:30 – 13:40 | Certificate Distribution to Speakers – Raffle Draw |
| 13:45 | Afternoon Break and Lunch and End of Day 3 |