

In the presence of

**H.E. Dr. Mohamed bin Mubarak Bin Daina**  
Minister of Oil and Environment  
Special Envoy for Climate Affairs  
Kingdom of Bahrain

**REGISTER  
NOW!**

# maintcon

7TH INTERNATIONAL MAINTENANCE,  
RELIABILITY, AND ASSET MANAGEMENT  
CONFERENCE & EXHIBITION



20  
24  
13 - 16  
OCT

Exhibition  
World Bahrain

## BUILDING RESILIENCE IN ASSETS FOR SUSTAINABLE TOMORROW

Organized by:

**CSMR**  
الجمعية الخليجية للصيانة والأتمتة  
Gulf Society For Maintenance & Reliability



Supported by:

  
وزارة النفط والبيئة  
Ministry of Oil and  
Environment

  
**GFMAM**  
Global Forum on Maintenance  
& Asset Management

  
**WPAM**  
World Partners in  
Asset Management



**Saad Al Shamrani**  
Conference Chair



**Mahmood Mirza Abdullah**  
Conference Co - Chair

## CHAIR'S MESSAGE

We are thrilled to welcome you to the upcoming **7<sup>th</sup> International Maintenance, Reliability, and Asset Management Conference and Exhibition (MAINTCON 2024)**, scheduled from October 13–16, 2024, at Exhibition World Bahrain. With this year's theme, "**Building Resilience in Assets for Sustainable Tomorrow**", we are dedicated to advancing the global shift towards sustainability and resilience in asset management.

MAINTCON 2024 aims to bring together over 3,000 participants from around the world to explore and embrace the latest advancements in technology and best practices in maintenance, reliability and asset management.

The technical program will feature insightful keynote sessions from prominent speakers representing leading global organizations. Attendees will benefit from a series of specialized pre-conference workshops, designed to provide in-depth knowledge and practical skills. We are also pleased to continue offering the Maintenance & Asset Reliability Certification (MARC) exam, developed by Gulf Society for Maintenance & Reliability (GSMR). Additionally, the Certified Asset Management Assessor (CAMA) exam will be offered by GSMR in support of the World Partners in Asset Management (WPIAM).

The exhibition will showcase 80+ sponsors and exhibitors, highlighting the latest developments, products and services from national oil companies and international service providers. Don't miss the Innovation Corner, where innovative research and advancements will be presented, and top innovators will be recognized. A new addition this year is our Podcast Centre in the exhibition hall, featuring live interviews and discussions with industry leaders and experts, offering valuable insights and trends.

The Youth Hall at MAINTCON 2024 will be a vibrant space dedicated to young maintenance and reliability professionals. It will feature discussions on industry challenges specific to youth, a Future Leaders Mentorship Program (GSMR-FLMP) connecting young talents with seasoned experts, and career development workshops on essential skills. This area is designed to support, inspire, and connect the next generation of industry leaders.

The GSMR Excellence Award will honor exceptional achievements in three categories for organizations and individuals, with winners announced during the conference opening ceremony. Additionally, the Women in Industry and Asset Management (WIAM) initiative will celebrate and encourage women leaders and emerging professionals, featuring a dedicated WIAM night event with keynote addresses from influential women in the industry.

MAINTCON 2024 promises to be an extraordinary event, and we warmly invite all industry professionals to join us in making this conference a tremendous success.

Together we make MAINTCON 2024 a successful event.

Looking forward to seeing you at the event!

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|                   |                            |
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|                     |                           |
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|                       |  |
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# EVENT HIGHLIGHTS 2024

**06**

KEYNOTE  
SPEAKERS

**80+**

PARTICIPATING  
COMPANIES

**20+**

PARTICIPATING  
COUNTRIES

**4,000**  
Sq.m

EXHIBITION  
AREA

HACKATHON

YOUTH  
HALL  
TRACK

PODCAST  
CENTRE

INNOVATION  
CORNER:  
**25+**  
INNOVATIVE  
PROJECTS

GSMR EXCELLENCE  
AWARDS

WOMEN IN INDUSTRY AND  
ASSET MANAGEMENT (WIAM)

CERTIFICATION EXAMS  
MARC & CAMA

# Youth Hall

## Description :

The Youth Hall is a dynamic and engaging space dedicated to nurturing the talents and ambitions of young professionals interested in the fields of maintenance and asset management. This section of the conference is designed to provide invaluable opportunities for personal and professional growth through a variety of interactive sessions and resources.

## Youth Hall Sections :

- » **Resume Writing Clinics**
- » **Interview simulations**
- » **Interactive Soft Skills Sessions**
- » **Q&A with Industry Veterans**
- » **Mentoring Sessions**

## Elements Descriptions :

### **Resume Writing Clinics:**

Offer sessions where attendees can receive feedback on their resumes, learn tips for optimizing them for job applications, and receive guidance on how to effectively showcase their skills and experiences.

### **Interview simulations:**

This component is designed to enhance skills such as Stress Management, Effective Communication, and the Exchange of Constructive Feedback.

### **Interactive Soft Skills Sessions:**

Conduct workshops focused on various aspects of career development, such as goal setting, skill-building, personal branding, and navigating career paths within the industry.

### **Q&A with Industry Veterans:**

Host panel discussions featuring experts from different areas of maintenance and reliability to discuss emerging trends, challenges, and opportunities in the field. This provides valuable insights and encourages dialogue among attendees.

### **Mentoring Sessions:**

Pair young attendees with experienced professionals in the maintenance and reliability field for one-on-one mentoring sessions. This provides an opportunity for guidance, advice, and career insights.

## MAINTCON Hackathon : Empowering Future Leaders in Asset Management

Are you ready to tackle real-world challenges in maintenance and asset management? The MAINTCON Hackathon is your opportunity to innovate, learn, and network in a unique, youth-focused event that brings together the brightest minds from across the region!

### Event Overview :

**Duration:** 48 Hours, packed with exciting activities

**Participants:** 10 teams of 5 participants each

**Challenges:** Compete in two major challenges designed to push your creativity and technical skills

**Prizes:** Compete for prizes, plus trophies and outshine in front of industry leaders

### Why Participate?

- Innovate and Create.
- Learn from Industry Experts
- Expand Your Network
- Gain Recognition and exposure

### The Challenges :

#### 1. Circular Economy in Asset Management

Design a strategy that integrates circular economy principles into asset management practices. Develop a plan to extend the life cycle of assets, minimize waste, and reduce the environmental impact.

#### 2. Leveraging AI & Digitalization for Resilient Asset Management

Create a strategy that leverages AI, big data, and advanced analytics to enhance the resilience of asset management. Focus on ensuring assets can withstand, adapt to, and recover from disruptions while maintaining operational continuity.

### How to Join?

Registration is open to all interested in participating. You can register individually or as a group through the official MAINTCON website. Individuals will be guided to form teams.

Don't miss this chance to showcase your talents, learn from the best, and potentially change the future of asset management. Be a part of the MAINTCON Hackathon and make your mark!



# GSMR Excellence Award 2024

## AWARD GUIDELINES, SCOPE & CRITERIA



The GSMR Excellence Award is designed to promote excellence in the fields of maintenance, reliability, and asset management. With a robust mission to facilitate knowledge exchange, represent the pinnacle of business achievements from both private and public sectors and nurture professional development. Through the two subsequent award series, we have successfully honored outstanding practitioners and various industries in the Gulf.

### Individual Award

- Awarded to individuals who have led or have vastly contributed in the fields of maintenance, reliability and asset management. All Professionals working in GCC countries only.
- Achievers Award (10+ years + experience in field)  
Two Winners- Elite & Excellent
- Future Leaders Award (less than 10 years)  
Two Winners- Elite & Excellent

### Organizational Award

- Designed to recognize initiatives within leading organizations that have had a significant impact (financial, cultural etc.) in the field of maintenance, reliability, and asset management.
- Three Winners- Elite, Excellent & Premium

#### Previous Winners



We welcome you to be part of this important initiative by GSMR, a not-for-profit, professional organization for maintenance, reliability & asset management professionals.





WOMEN IN INDUSTRY & ASSET MANAGEMENT | **CSMR**  
المجموعة الخليجية للصيانة والأعطامدية  
Gulf Society For Maintenance & Reliability

## Women in Industry and Asset Management (WIAM)

The Women in Industry and Asset Management Committee (WIAM) aims to inspire young women in the region to road-map careers in Industry and Asset Management. WIAM provides a supportive platform for women to progress their careers through networking, gaining insights and expertise. WIAM recognizes and honors the valuable contributions of talented professionals across various industries in the region through its award categories.

# AWARD CATEGORIES

In 2024, WIAM will introduce three major award categories



## Emerging Professional

Women professionals who have emerged by outstanding contributions and have demonstrated their skill set within their industry/or to the profession in the field of Maintenance, Reliability and Asset Management.

- ▶ With 5-15 years of experience and can self-nominate for this award or can be nominated by colleagues or team members.



## Women in Excellence Achievement

Women Leaders who have been an epitome with core values as a remarkable leader or achiever by continuing commitment to excellence, developing best practices and innovative strategies within their industry/or to the profession in the field of Maintenance, Reliability, and Asset Management.

- ▶ With 15+ years of experience and can be self-nominated for this award or can be nominated by colleagues or team members.



## Women Empowerment

Women or Men leaders who have empowered women as key change-makers and to enable women to excel and create a positive work culture within their industry.

- ▶ To be nominated by an individual who was influenced by the leader (women or men)





We are pleased to invite you to visit our “Innovation Corner” where the latest inventions and recent research in the fields of maintenance, reliability, asset management, and related industries will be showcased.

This will provide a unique opportunity for innovators and pioneers to share their talents among the regional Oil & Gas companies, service providers, universities, and high-profile individuals in the industry.

By spearheading innovation, the “Innovation Corner” is the most coveted regional innovation recognition where it recognizes outstanding innovations and encourages innovators, researchers, and creators in the region to continue investing in inventions.

The best innovation showcased will be honored and recognized at the end of the exhibition. Innovators, researchers, and creators from around the region are invited to enter their eligible projects to vie for top honors in this unique opportunity.

# Certification Exams



## MAINTENANCE & ASSET RELIABILITY CERTIFICATION (MARC)

MARC Certification is designed to assess a professional's competency in Maintenance, Reliability and Asset Management Excellence following the asset management standards.

GSMR Body of Knowledge (BoK) and MARC Certification are focused on covering the entire asset lifecycle to achieve industry-leading MR&AM performance. Here's your chance to earn this prestigious certification and join an elite group of professionals in the region.



## CERTIFIED ASSET MANAGEMENT ASSESSOR (CAMA) EXAM

The Gulf Society for Maintenance & Reliability (GSMR) In partnership with World Partners in Asset Management (WPiAM) is pleased to offer the "Certified Asset Management Assessor" (CAMA) exam.

This certification establishes an individual's credentials in asset management knowledge and -, globally in accordance with ISO 55001 and GFMAM auditors specifications.

For further information about certification, please contact GSMR Office on +973 17180398 or email- [hello@gsmrgulf.org](mailto:hello@gsmrgulf.org)

AFFILIATE  
World Partners in Asset Management **WPiAM**

# Pre-Conference Workshops

1

## GSMR BODY OF KNOWLEDGE (BOK)



**Hussain Al Ali**

Gulf Society for Maintenance & Reliability (GSMR)

### Background

The GSMR Body of Knowledge (BoK) was created with a focus placed on all aspects of maintenance from addressing the basics of world-class-maintenance, to creating a reliability culture in the organization. To achieve the best-in-class MR&AM performance, the GSMR BoK is based on five pillars with emphasis on covering the asset life cycle.

- **Pillar 1** MR&AM Strategy: Ensuring asset management fundamentals are in place (value, alignment, leadership & assurance).
- **Pillar 2** Asset Reliability: Describes all reliability activities that must be in place.
- **Pillar 3** Maintenance Work Processes: Describes all maintenance activities that must be in place.
- **Pillar 4** Systems & Technologies: Enablers (software or hardware) of successful maintenance and reliability within the context of asset management.
- **Pillar 5** People & Leadership: The human factor that, with all the elements above, will carry the journey of excellence in maintenance and reliability.

### Benefits to the Audience

- To define the competency requirements for minimum knowledge in the field of MR&AM and support professionals to achieve performance excellence.
- To offer a structured knowledge representation by GSMR while helping professionals adopt/apply MR&AM concepts.
- To certify MR&AM Professionals in the region.
- To provide general reference and standardize knowledge and concepts in the MR&AM field.

2

## IR 4.0 PREDICTIVE MAINTENANCE (PDM) STRATEGY



**Muhammad Al Qureshi**

Saudi Aramco

### Background

This workshop is designed for Reliability Engineers and technicians of all backgrounds involved in rotating equipment management. It will cover maintenance strategies, Predictive Maintenance (PdM) essentials, and data's role in trend analysis and maintenance aligned with Industrial Revolution 4.0 and Internet of Things (IoT) - based cloud storage. Participants will learn about the five key PdM techniques: Vibration Analysis, Lube Oil Analysis, Ultrasound Analysis, Thermal Imaging, and Motor Circuit Evaluation, with real case studies from Aramco to illustrate the benefits and integration of these methods. Additionally, the workshop will address ultrasonic based lubrication for bearings, propergreasing methods using ultrasonic tools, and advanced fault prognosis in bearings utilizing latest ultrasound methodology.

### Benefits to the Audience

The workshop will equip attendees with comprehensive knowledge of Predictive Maintenance (PdM) and state-of-the-art Condition Monitoring techniques, highlighting the advantages of these maintenance programs. Professionals will deepen their understanding of industrial PdM techniques, including vibration, oilsensor, ultrasonic, and electrical analyses, to prevent early failures and enhance operational efficiency. The focus will be on applying PdM for diverse machinery, from electric motors to high-speed turbines, guiding participants in choosing appropriate maintenance strategies and techniques for their critical rotating equipment. Emphasizing cost savings through reduced downtime and repairs, the workshop will also cover optimal greasing methods using Ultrasound technology to maintain bearing health.

# Pre-Conference Workshops

3

## BASIC ROOT CAUSE ANALYSIS (RCA)



**Abdulaziz Al-Ghamdi**  
Reliability Expert Center (REC)



**Omar Abdulaziz Al-Ghamdi**  
Reliability Expert Center (REC)

### Background

Basic Root Cause Analysis workshop is designed for one day and will focus on RCA. The workshop will include a case study based on a true event for practicing RCA.

### Who Should Attend?

The Root Cause Analysis workshop is designed for individuals in Management, Safety, Engineering, Technical, Reliability, Operation, Maintenance, and professionals participating in investigations as a Member & Facilitator.

### Agenda

- |                                  |                            |                                   |                    |
|----------------------------------|----------------------------|-----------------------------------|--------------------|
| A. RCA Introduction and Overview | B. Use of RCA              | C. RCA Investigation Requirements | D. Define Problem  |
| E. Investigation Work plan       | F. Data Collection Process | G. Data Collection                | H. Data Analysis   |
| I. Timeline Process              | J. Cause Analysis Process  | K. Solution Process               | L. Final Reporting |
| M. Tracking and Implementation   | N. Supplementary           | O. Case Study (During Workshop)   |                    |

### Benefits to the Audience

- To define the competency requirements for minimum knowledge in the field of MR&AM professionals and to achieve performance excellence.
- To offer a structured knowledge representation by GSMR and to help professionals adopt/apply MR&AM concepts.
- To certify MR&AM Professionals in the region.
- To provide general reference and standardize knowledge and concepts in the MR&AM field.

4

## MULTI-WEEK ROLLING SCHEDULE

The Foundation of Planned Work culture in the Industry 4.0 Era



**Jean Charbonneau**  
Maintenance Excellence Group

### Background

Industry 4.0 is revolutionizing maintenance, yet over half of asset-heavy firms remain more than 50% reactive. This workshop covers the foundation of implementing a sustainable proactive maintenance work culture, centered around a multi-week rolling schedule managed by Industry 4.0's software that ensures everybody is performing their required role flawlessly. Key points include:

- Planned work culture for Planners, Schedulers, Supervisors and Production Reliability coordinators roles.
- Multi-week scheduling process: the foundation of executing work in planned mode.
- Using Industry 4.0 software to ensure everybody is playing their roles flawlessly.
- Developing a strong bonding between Maintenance and Production.
- Establishing a long-term sustainment program for lasting benefits.
- Maximizing the value across large organization.

### Benefits to the Audience

A Multi-week rolling schedule process with proper role definition is the foundation of implementing a planned work culture and ensuring timely equipment maintenance. Success hinges on:

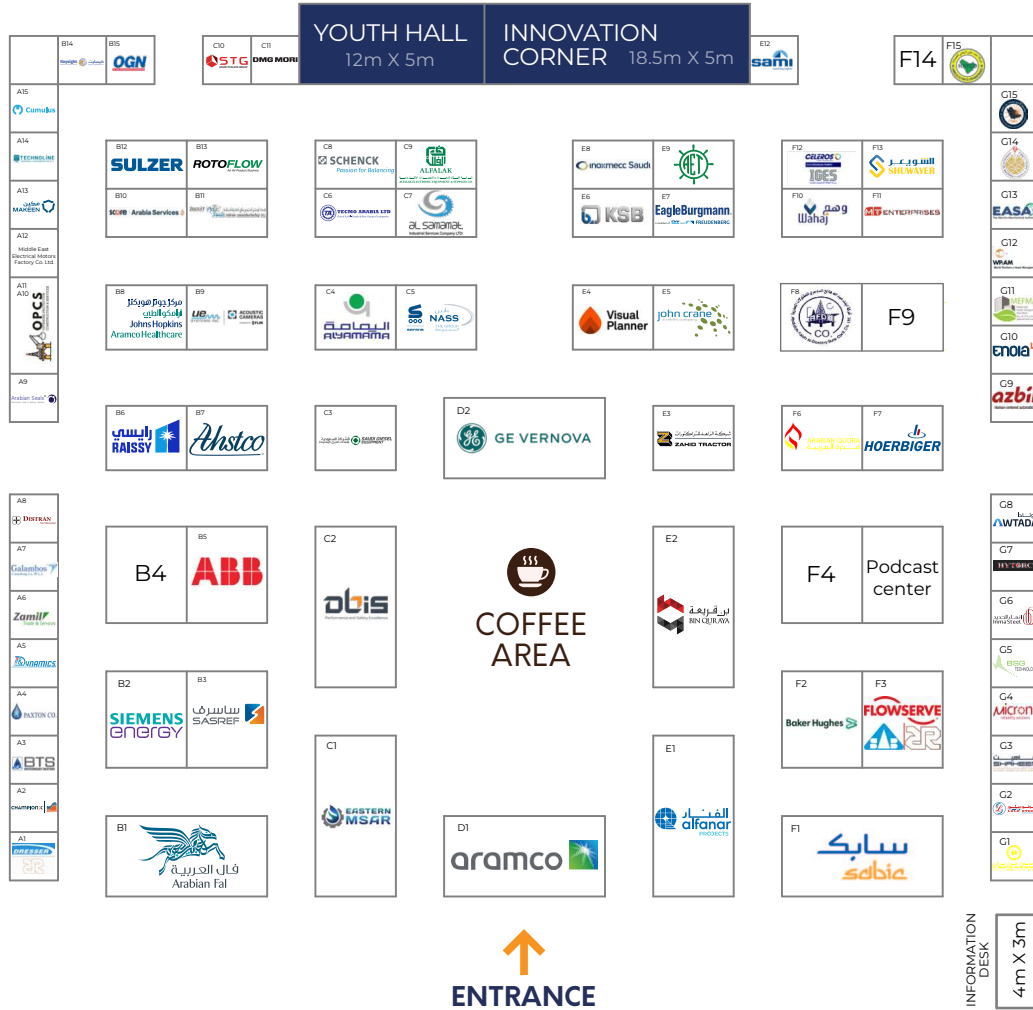
- Clearly defining and controlling the roles of people required to get the benefits from the multi-week scheduling process.
- Implementing an Industry 4.0 digital solution that will ensure people of performing their roles flawlessly.
- Prioritizing change management and sustainment for lasting implementation success.





# EXHIBITION FLOOR PLAN

## HALL 2



## SPONSORS, EXHIBITORS, PARTNERS

| S. NO. | COMPANY   | COUNTRY      | CATEGORY | STAND NO. |
|--------|---|--------------|----------|-----------|
| 1      | Saudi Aramco  | Saudi Arabia | Prime    | D1        |
| 2      | Easten MSAR Trading & Contracting Co.                           | Saudi Arabia | Diamond  | C1        |
| 3      | GE Vernova  | Saudi Arabia | Diamond  | D2        |
| 4      | Bin Quraya  | Saudi Arabia | Diamond  | E2        |
| 5      | Alfanar Projects - Engineering Services                         | Saudi Arabia | Diamond  | E1        |
| 6      | Arabian Fal Company   | Saudi Arabia | Diamond  | B1        |
| 7      | Abdulla A. Al Barrak & Sons Co. (Abis)                          | Saudi Arabia | Diamond  | C2        |
| 8      | SABIC   | Saudi Arabia | Diamond  | F1        |
| 9      | ABB Electrical Industries Co. Ltd.                              | Saudi Arabia | Platinum | B5        |
| 10     | Baker Hughes  | Saudi Arabia | Platinum | F2        |
| 11     | Flowserve   | Saudi Arabia | Platinum | F3        |
| 12     | Saudi Aramco Jubail Refinery Co. (SASREF)                       | Saudi Arabia | Platinum | B3        |
| 13     | Bapco Energies  | Bahrain      | Platinum | -         |
| 14     | Siemens Energy Ltd  | Saudi Arabia | Platinum | B2        |
| 15     | Gulf Petrochemical Industries Co. (GPIC)                        | Bahrain      | Gold     | -         |
| 16     | Saudi Diesel Equipment  | Saudi Arabia | Gold     | C3        |
| 17     | Zahid Tractor & Heavy Machinery                                 | Saudi Arabia | Gold     | E3        |
| 18     | Arabian Qudra   | Saudi Arabia | Gold     | F6        |
| 19     | Al Yamama Company for Trading and Contracting                   | Saudi Arabia | Gold     | C4        |
| 20     | CM Maintenance  | Canada       | Gold     | E4        |
| 21     | AHSTCO  | Saudi Arabia | Gold     | B7        |
| 22     | UE SYSTEMS & FLIR   | USA          | Gold     | B9        |
| 23     | John Crane Saudi Arabia   | Saudi Arabia | Gold     | E5        |
| 24     | Sarens Nass Middle East W.L.L.                                  | Bahrain      | Gold     | C5        |
| 25     | Raissy Trading & Contracting Co. Ltd.                           | Saudi Arabia | Gold     | B6        |
| 26     | Johns Hopkins Aramco Healthcare                                 | Saudi Arabia | Gold     | B8        |
| 27     | Aluminium Bahrain (ALBA)  | Bahrain      | Gold     | -         |
| 28     | Abdullah Faleh Al-Dossary Sons Contracting Co. Ltd.             | Saudi Arabia | Gold     | F8        |
| 29     | HOERBIGER Service Middle East FZE                               | UAE          | Gold     | F7        |
| 30     | Saudi Aramco Total Refining and Petrochemical Company ( SATORP) | Saudi Arabia | Luncheon | -         |
| 31     | Al Samamat Industrial Services Company Ltd.                     | Saudi Arabia | Silver   | C7        |
| 32     | Sulzer Saudi Pumps Company                                      | Saudi Arabia | Silver   | B12       |
| 33     | Abdullah H. Al-Shuwayer Sons Trading & Contracting Co.          | Saudi Arabia | Silver   | F13       |
| 34     | KSB Pumps Arabia Ltd  | Saudi Arabia | Silver   | E6        |
| 35     | Al Falak Electronic Equipment and Supplies Co.                  | Saudi Arabia | Silver   | C9        |
| 36     | Inoxmecc Group  | Italy        | Silver   | E8        |
| 37     | EagleBurgmann Saudi Arabia Company Limited                      | Saudi Arabia | Silver   | E7        |
| 38     | Score Arabia Services   | Saudi Arabia | Silver   | B10       |
| 39     | Tecmo Arabia Ltd.   | Saudi Arabia | Silver   | C6        |
| 40     | Saudi Advanced Technologies Company (Wahaj)                     | Saudi Arabia | Silver   | F10       |
| 41     | Rotoflow, an Air Products business                              | Saudi Arabia | Silver   | B13       |
| 42     | Saudi Protech Valves Manufacturing Co.                          | Saudi Arabia | Silver   | B11       |

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|    |   |              |               |           |
|----|---|--------------|---------------|-----------|
| 43 | Mahmoud Mohammed Tulbah Contracting Est. (MT Enterprises) | Saudi Arabia | Silver        | F11       |
| 44 | Schenck RoTec GmbH  | Germany      | Silver        | C8        |
| 45 | Arabian EST. for Trading, Shipping & Petroleum Works      | Saudi Arabia | Silver        | E9        |
| 46 | IGES - Electronic Energy Trading Company                  | Saudi Arabia | Silver        | F12       |
| 47 | Offshore Protection Construction & Services               | Saudi Arabia | Silver        | A10 & A11 |
| 48 | Dresser Al Rushaid Valve & Instrument Co. Ltd             | Saudi Arabia | Exhibitor     | A1        |
| 49 | Biotechnology Solutions TX                                | USA          | Exhibitor     | A3        |
| 50 | Al Masood John Brown                                      | UAE          | Exhibitor     | G1        |
| 51 | Lulu Store Maintenance Equipment W.L.L.                   | Bahrain      | Exhibitor     | G2        |
| 52 | Distran Switzerland                                       | Switzerland  | Exhibitor     | A8        |
| 53 | Arabian Seals Company                                     | Canada       | Exhibitor     | A9        |
| 54 | ChampionX   Windrock                                      | USA          | Exhibitor     | A2        |
| 55 | Azbil Saudi Ltd   | Saudi Arabia | Exhibitor     | G9        |
| 56 | SAMI  | USA          | Exhibitor     | E12       |
| 57 | Saudi Thalate General Manufacturing Industrial Services   | Saudi Arabia | Exhibitor     | C10       |
| 58 | DMG MORI  | UAE          | Exhibitor     | C11       |
| 59 | AWTADA  | Saudi Arabia | Exhibitor     | G8        |
| 60 | Shaheen Arabia Company for Industry                       | Saudi Arabia | Exhibitor     | G3        |
| 61 | Galambos Consulting Co., W.L.L.                           | Bahrain      | Exhibitor     | A7        |
| 62 | PAXTON Company W.L.L.                                     | Bahrain      | Exhibitor     | A4        |
| 63 | Microns Reliability Solutions W.L.L.                      | Bahrain      | Exhibitor     | G4        |
| 64 | BSG Technology LLP  | Kazakhstan   | Exhibitor     | G5        |
| 65 | Dynamics Scientific, Inc                                  | USA          | Exhibitor     | A5        |
| 66 | Inma Steel Fabricators Co.                                | Saudi Arabia | Exhibitor     | G6        |
| 67 | Hytorc International                                      | Saudi Arabia | Exhibitor     | G7        |
| 68 | Key Sight Contracting                                     | Saudi Arabia | Exhibitor     | B14       |
| 69 | Cumulus Digital Systems, Inc.                             | USA          | Exhibitor     | A15       |
| 70 | Technoline Mechanical & Instrumentation W.L.L.            | Bahrain      | Exhibitor     | A14       |
| 71 | Zamil Group Trade and Services Company                    | Saudi Arabia | Exhibitor     | A6        |
| 72 | Enoia Dynaflo LLC   | UAE          | Exhibitor     | G10       |
| 73 | Makeen - Saudi Engines Manufacturing Company              | Saudi Arabia | Exhibitor     | A13       |
| 74 | Middle East Electrical Motors Factory Co. Ltd.            | Saudi Arabia | Exhibitor     | A12       |
| 75 | Hamad Ali Alyami Company for Maintenance                  | Saudi Arabia | Exhibitor     | F15       |
| 76 | Middle East Facility Management Association (MEFMA)       | UAE          | Partner       | G11       |
| 77 | World Partners in Asset Management (WPIAM)                | Australia    | Partner       | G12       |
| 78 | Electrical Apparatus Service Association, Inc. (EASA)     | USA          | Partner       | G13       |
| 79 | University of Bahrain (UOB)                               | Bahrain      | Partner       | G14       |
| 80 | Prince Mohammed bin Fahad University (PMU)                | KSA          | Partner       | G15       |
| 81 | MISK  | Saudi Arabia | Partner       |           |
| 82 | Eye of Riyadh   | Saudi Arabia | Media Partner | -         |
| 83 | OGN   | Saudi Arabia | Media Partner | B15       |
| 84 | Al Bilad  | Bahrain      | Media Partner | -         |
| 85 | The Majlis Podcast  | Saudi Arabia | Media Partner | -         |

## CONFERENCE REGISTRATION FEES

| CATEGORY         | EARLY BIRD REGISTRATION | FULL REGISTRATION   | ONE - DAY REGISTRATION |
|------------------|-------------------------|---------------------|------------------------|
| <b>Delegates</b> | BHD 330 / USD 880       | BHD 385 / USD 1,025 | BHD 220 / USD 585      |
| <b>Speakers</b>  | Complimentary           | Complimentary       | Complimentary          |
| <b>Students*</b> | BHD 100 / USD 270       | BHD 100 / USD 270   | BHD 80 / USD 215       |

\*Students should provide proper authentication.

\*10% VAT included

## WORKSHOP REGISTRATION FEES

| WORKSHOP NO. | WORKSHOP TITLE  | WORKSHOP DETAILS   |
|--------------|---|--|
| 1            | GSMR BODY OF KNOWLEDGE (BoK)  | 13 October 2024<br>Time: 08:30 - 15:30<br>Fees: BHD150 / USD 400 |
| 2            | IR 4.0 Predictive Maintenance (PdM) Strategy  |  |
| 3            | Basic Root Cause Analysis (RCA)   |  |
| 4            | <b>Multi-week Rolling Schedule</b> "The Foundation of Planned Work culture in the Industry 4.0 Era" |  |

\*10% VAT included

## CERTIFICATION EXAMS REGISTRATION FEES

| CERTIFICATION EXAMS                                       | GSMR MEMBERS      | NON - MEMBERS     |
|---|-------------------|-------------------|
| Maintenance & Asset Reliability Certification (MARC) Exam | BHD 115 / USD 310 | BHD 155 / USD 415 |
| Certified Asset Management Assessor (CAMA) Exam           | BHD 125 / USD 335 | BHD 185 / USD 495 |

\*10% VAT included

### NOTE :

- Workshop & Certification Exams require a separate payment to participate.
- Only Conference Delegates are eligible to register for the workshops.

### Cancellation and Refunds

Cancellation must be received in writing to the Conference Secretariat. A cancellation fee of BHD 30 (USD 80) will be charged for cancellation received before 10th September 2024. After this date no refund will be considered.

# MAINTCON 2024 TECHNICAL PROGRAM

Note: This technical program is tentative.  
Please scan the QR here to get the latest  
updated program.



## 13-OCT-24

|               |  |
|---------------|--|
| 09:00 - 16:00 | Workshop 1, Workshop 2, Workshop 3, Workshop 4                                 |
| 15:00 - 18:30 | Conference Registration  |
| 19:30 - 21:15 | Conference Opening, Executive Panel Discussion, GSMR Excellence Award Ceremony |
| 21:15 - 22:00 | Exhibition Inauguration & Tour   |
| 22:00 Onwards | Opening Ceremony Dinner  |

## 14-OCT-24

|               |   |
|---------------|---|
| 08:00 - 15:00 | Registration  |
| 09:00 - 09:10 | Opening Remarks   |
| 09:10 - 09:40 | Keynote 1: Ibrahim AlBuainain - Executive Vice President , Global Manufacturing, Saudi Aramco |
| 09:40 -09:50  | MoU Signing   |
| 09:50 - 10:25 | Coffee & Networking Break   |

| TIME                 | TRACK 1  | TRACK 2  | TRACK 3   | TRACK 4   |
|----------------------|--|--|---|---|
|                      | Asset Management Practices, and Aspects for Future Sustainability  | Utilizing Digital Technologies for Asset Management  | Performance Measurement and Benchmarking Strategies   | Future Outlook & Challenges of Maintenance and Reliability Engineering  |
|                      | <b>Track Chair:</b><br><b>Abdullah Mugahwy</b>   | <b>Track Chair:</b><br><b>Bandar Abuainassr</b>  | <b>Track Chair:</b><br><b>Dr. Suad Alradhwan</b>  | <b>Track Chair:</b><br><b>Maram Al Hammad</b>   |
| <b>10:30 - 10:55</b> | Enhancing Turbomachinery Reliability and Sustainability: A Holistic Approach<br><b>Parimal Deshpande</b><br>Regal Rexnord<br>United Kingdom                            | Centralized Reliability Center<br><b>Majed Alageel, Muhannad Alhazmi, Abdulaziz Alzahrani</b><br>Saudi Aramco<br>Saudi Arabia  | Accelerated and Sustained World Class Reliability Performance Utilizing Solomon Associates RAM Study Results<br><b>Khalifa Alsaad</b><br>Bapco Refining<br>Bahrain  | The importance of Coordination: The core principle of Asset Management and its importance in achieving resilience in assets and a sustainable tomorrow.<br><b>Travis Soutter</b><br>Concordia Asset Management<br>Australia |
| <b>11:00 - 11:25</b> | Enhancing Efficiency and Sustainability: Introducing a Real-Time Sensing Technology to Minimize Passing Valves<br><b>Ali Alrasheed</b><br>Saudi Aramco<br>Saudi Arabia | Reciprocating vs Rotating – What Makes Analyzing Reciprocating Machinery Different from Traditional Rotating Machinery Vibration Analysis.<br><b>Edward Kelleher</b><br>ChampionX   Windrock<br>United States  | Connecting People, Process and Technology for a successful Asset Performance Management (APM) implementation<br><b>Johan Ferket</b><br>Bilfinger/Stork Asset Management Tech<br>Belgium                   | Analyzing Maintenance Challenges and Strategies in Bapco Refining's Modernization Program<br><b>Habib Rajan Habib Afnan Ramadan</b><br>Bapco Refining<br>Bahrain  |
| <b>11:30 - 11:55</b> | Expansion Joint Solutions for High Cycling Gas Turbine Combined Cycle Plants<br><b>Jake Waterhouse</b><br>DEKOMTE DE TEMPLE<br>United Kingdom                          | Predicting Failures for Electrical Submersible Pumps Through Data Modeling and Machine Learning<br><b>Rami Osman</b><br>Nybl<br>United Arab Emirates   | Digital Twin initiatives in Hydrogen Production Unit in KIPIC<br><b>Mohammad Jarkhey</b><br>KIPIC<br>Kuwait   | Special Purpose Steam Turbine: Current to Pressure Converter (CPC) Failure Detection and Resolution<br><b>Nezar BaAqeel</b><br>Saudi Aramco<br>Saudi Arabia   |
| <b>12:00 - 13:10</b> | <b>Lunch Break</b>   |  |   |   |
| <b>13:15 - 13:45</b> | <b>Keynote 2 : Nabil AlNuaim - Senior Vice President , Digital &amp; Information Technology , Saudi Aramco</b>   |  |   |   |
|                      | Asset Management Practices, and Aspects for Future Sustainability  | Utilizing Digital Technologies for Asset Management  | Performance Measurement and Benchmarking Strategies   | Planning, Material and STO (Shutdown, Turnaround, Outage) Management  |
|                      | <b>Track Chair:</b><br><b>Mohammed Al-Zawad</b>  | <b>Track Chair:</b><br><b>Majed Alaqeel</b>  | <b>Track Chair:</b><br><b>Anas Al Saggaf</b>  | <b>Track Chair:</b><br><b>Dr. Saleh Dafouha</b>   |
| <b>13:50 - 14:15</b> | Advancements in Cooling Technology: Implementing Forced Draft FRP Cooling Towers<br><b>Mohammad Humaidi</b><br>Saudi Aramco<br>Saudi Arabia                            | Advanced Analytics And Domain Expertise In Baker Hughes Drive Predictive Performance Analytics On Centrifugal Compressors Through Operational Data<br><b>Daniele Porciani</b><br>Baker Hughes Company<br>Italy | Maximum Recovery of Off Gases During Lower Feed Rates<br><b>Aishah Aljalalmah</b><br>KIPIC<br>Kuwait  | Implementation of Permanent Guided Wave For Road Crossing T&I<br><b>Yasser Alrehailli</b><br>Saudi Aramco<br>Saudi Arabia   |
| <b>14:20 - 14:45</b> | Update on WPIAM's Global Certification Scheme for Asset Management Practitioners<br><b>Robert Childs</b><br>IMQS Software Pty Ltd<br>South Africa                      | Digital transformation of Management of Change business process at Kuwait Oil Company<br><b>Omar Bader Al-Hattab</b><br>Kuwait Oil Company<br>Kuwait   | A Reliability Study of Fin Fans Air Cooled Heat Exchangers Transmission System<br><b>Mohamed Almahdi</b><br>Bapco Refining<br>Bahrain   | Using AI to Predict Fouling in Gas Turbines<br><b>Hussain Gerashi</b><br>ALUMINIUM Bahrain (ALBA)<br>Bahrain  |
| <b>14:50 - 15:15</b> | Investigation of High Vibration in Platformer Recycle Gas Compressor<br><b>Fatema Shukri</b><br>Bapco Refining<br>Bahrain  | Advanced Inspection of Reinforced Concrete Cooling Tower using Drone<br><b>Fahad Al - Mutlaq</b><br>SABIC<br>Saudi Arabia  | District Cooling System Approach for Higher Energy Efficiency, Improved System Reliability, and Reduced Maintenance Costs on HVAC Systems<br><b>Abdulrahman Alkulaibi</b><br>Saudi Aramco<br>Saudi Arabia | Saudi Aramco Best Practices in Air Compressor Maintenance and Repair Program (New Ways to Overcome Unreliable Compressor Events)<br><b>Mohammed Altawili</b><br>Saudi Aramco<br>Saudi Arabia                                |
| <b>15:20 - 15:45</b> | A Guide to Motor Diagnostics – Theory, Practical Aspects & Field Experiences<br><b>Aditya Korde</b><br>Diagnostic Technologies India Pvt Ltd<br>United Arab Emirates   | Asset Health for Digital Enterprise with Hybrid Analytics<br><b>Adeel Ahmed</b><br>Baker Hughes<br>Saudi Arabia  | Logic Verification Task Force for Hydrogen Production Unit (HPU) in KIPIC<br><b>Mohsen Rustom</b><br>KIPIC<br>Kuwait  | Reverse Engineering Utilization for Manufacturing complex Multi-Stage Steam Turbine Blades<br><b>Humberto A. Carrillo L.</b><br>Saudi Aramco<br>Saudi Arabia  |
| <b>15:45 - 16:00</b> | <b>Closing and Raffle draw</b>   |  |   |   |
| <b>18:30 Onwards</b> | <b>WIAM Ceremony &amp; Dinner (By Invitation)</b>  |  |   |   |



08:00 - 15:00

Registration

09:00 - 09:10

Opening Remarks

09:10 - 09:40

Keynote Speaker 1 - Mohamed Yousif Al Binfalah, Chief Executive Officer, Bahrain Airport Company

9:40 - 10:10

AI & Human Debate

10:10 - 10:25

Coffee & Networking Break

| TIME          | TRACK 1  | TRACK 2  | TRACK 3  | TRACK 4  |
|---------------|--|--|--|--|
|               | Asset Management Practices, and Aspects for Future Sustainability  | Utilizing Digital Technologies for Asset Management  | Circular Economy applications for Maintenance & Reliability  | Spare Parts Management & Reverse Engineering Challenges and Opportunities  |
|               | Track Chair:<br>Saad Ulaimi  | Track Chair:<br>Sara Faqih   | Track Chair:<br>Dr. Khalid Jabr  | Track Chair:<br>Ahmed Barnawi  |
| 10:30 - 10:55 | NonMetallic Sealless Pump for Hypochlorite Usage by Sharib A Khan<br><b>Sharib Khan</b><br>Saudi Aramco<br>Saudi Arabia                                    | What Boeing's Quality Issues Can Teach Us About Maintenance and Reliability<br><b>Mark Litke</b><br>Cumulus Digital Systems, Inc.<br>United States                       | Non-man entry storage tank cleaning & robotic inspection of storage tank floors<br><b>Mohamed Alrowaihi</b><br>Bapco Refining<br>Bahrain   | First Turnaround of the World's Largest ARDs Complex in Al-Zour Refinery KIPIC. A Successful implementation of DMAIC Six Sigma Case study for analysis & improvement of three Consecutive ARDs shutdowns.<br><b>Nourah Saad</b><br>KIPIC<br>Kuwait |
| 11:00 - 11:25 | Core Elements of Asset Management<br><b>Raymond AmaningAgyarko</b><br>Evraz North America<br>United States   | Rv Automation Process<br><b>Marwan Alomari</b><br>SASREF<br>Saudi Arabia   | Gas Turbine Life cycle optimization for a challenging offshore environment<br><b>Abdullah Alkhaibri</b><br>Saudi Aramco<br>Saudi Arabia  | System restoration testing of communication -based distribution automation schemes<br><b>Mohamed Ali</b><br>OMICRON<br>Bahrain   |
| 11:30 - 11:55 | From Reactive to Proactive: Advancing Sustainability in GSE Asset Management<br><b>Abdullah Alrehaili</b><br>TLD Arabia Equipment Services<br>Saudi Arabia | Energy Optimization of Flow Loops<br><b>Dilip Aramana</b><br>Flowserve<br>Netherlands  | Pump performance audit & optimization identification<br><b>David Martin</b><br>Sulzer Middle East<br>United Arab Emirates  | Innovative Repair Strategy for Deteriorated Rafters in a Water Tank<br><b>Senthil Kumar</b><br>Saudi Aramco<br>Saudi Arabia  |
| 12:00 - 13:10 | <b>Lunch Break</b>   |  |  |  |
| 13:15 - 13:45 | <b>Keynote 2 : Santiago Gallego , Partner &amp; Associate Director, Asset Management 4.0 &amp; Digital Operations</b>                                      |  |  |  |
|               | Asset Management Practices, and Aspects for Future Sustainability  | Utilizing Digital Technologies for Asset Management  | Organizational Culture and HR Initiatives in Maintenance and Reliability   | Future Outlook & Challenges of Maintenance and Reliability Engineering   |
|               | Track Chair:<br>Ahmed Ismail   | Track Chair:<br>Mahmood Dashti   | Track Chair:<br>Saeed Al Shahrani  | Track Chair:<br>Dr. Adel Younis  |
| 13:50 - 14:15 | Curing the "Everything is Urgent" Production Syndrome<br><b>Jean Charbonneau</b><br>Maintenance Excellence Group<br>Canada                                 | ABB Ability™ LEAP<br><b>Rashed AlShammari</b><br>ABB<br>Sweden   | Habituation Effect in Routine Preventive Maintenance: Strategies for Sustained Attention and Reliability<br><b>Ahmed Iskandar</b><br>Sadara Chemical Company<br>Saudi Arabia   | Effects of Seal Configuration on Seal Performance in Contaminated Applications<br><b>Mohammad Al Zaher</b><br>Flowserve<br>Saudi Arabia  |
| 14:20 - 14:45 | Troubleshooting Water desalination Pumping System Using Root Cause Analysis<br><b>Mohammed Alamoudi</b><br>Saudi Aramco<br>Saudi Arabia                    | Bapco Refining Accelerates its Digital Transformation Journey by implementing Asset Performance Management (APM).<br><b>Yousif Alsalmán</b><br>Bapco Refining<br>Bahrain | The impact of senior management strategies on functional isolation behavior in the workplace An analytical study in the Iraqi Media and Communications Commission and the Iraqi Engineers Syndicate<br><b>Ahmed Abdul Ali</b><br>Iraqi Engineers Syndicate<br>Iraq | SASREF Maintenance Work process Transformation Cost Saving in OPEX<br><b>Muhammad Atif</b><br>SASREF<br>Saudi Arabia   |
| 14:50 - 15:15 | Minimizing Lost Profit Opportunities (LPOs) Through Enhanced Electrical Motor Condition Monitoring<br><b>Faisal Hashem</b><br>Bapco Energies<br>Bahrain    | Transforming Asset Condition Monitoring and Proactive Maintenance with Ultrasound Technology<br><b>Ahmed Moataz</b><br>UE Systems<br>Egypt                               | Digital Dexterity Reshaping Digital Capabilities In Ai Era<br><b>Asmaa Mohammad Al Rayes</b><br>KIPIC<br>Kuwait  | Electrical Equipment in Hazardous Areas<br><b>Ayman Badawy</b><br>Alfanar Projects<br>Saudi Arabia   |
| 15:20 - 15:45 | Adopting advanced concrete inspection techniques as asset management practice<br><b>Mohsin Murtaza</b><br>SASREF<br>Saudi Arabia                           | Wireless Electrical Conditioning Monitoring and Predictive Maintenance Analytics System<br><b>Ahmad Alameer</b><br>KIPIC<br>Kuwait                                       | Shaping Asset Management Culture: The Journey to Unlock Organizational Potential<br><b>Loic Taugourdeau</b><br>S.A.M.A. - Strategic Asset Management Advisory<br>United Arab Emirates  | HP Connectors Abstract<br><b>Mustafa Ahmed</b><br>Bapco Energies<br>Bahrain  |

15:45 - 16:00

Closing and Raffle draw

19:00 onwards

Gala Dinner (By Invitation)

08:00 - 12:00

Registration

09:00 - 09:05

Opening Remarks

## Executive Panel Discussion

**Topic: Forging Strategic Alliances for Tomorrow's Asset Management Excellence**

### Executive Panelists:

1. Sattam AL-Motairi, VP Sales, Alfanar Projects
2. Areije Al Shakar, Chief Executive Officer, BeVentures
3. Johannes Coetzee, Chairman, Global Forum for Maintenance & Asset Management
4. Fernando Lopez, Senior Asset Leader for Maintenance AI, Mickinsey & Company

09:05 - 09:55

### Moderator:

Yasmin ALKhowaiter  
Founder & Host of the Majlis Podcast

10:00 - 10:30

Coffee & Networking Break

TIME

TRACK 1

TRACK 2

TRACK 3

TRACK 4

Asset Management Practices, and Aspects for Future Sustainability

Planning, Material and STO (Shutdown, Turnaround, Outage) Management

Organizational Culture and HR Initiatives in Maintenance and Reliability

Future Outlook & Challenges of Maintenance and Reliability Engineering

Track Chair:  
**Abdullah Al Harbi**

Track Chair:  
**Khalil Ebrahim Suhail**

Track Chair:  
**Fawaz Al Khulaiwi**

Track Chair:  
**Zuhair Mansouri**

|               |   |   |  |   |
|---------------|---|---|--|---|
| 10:30 - 10:55 | Artificial Intelligence in Pipeline Integrity Management<br><b>Dr. Adel Younis</b><br>Australian University<br>Kuwait                                 | Safety and Economic Efficiency in Refinery Shutdown Management: Strategies for Minimizing Downtime Costs<br><b>Alaa Aladwani</b><br>KIPIC<br>Kuwait | Current Sensor Measurement Method for Testing HV GIS Circuit Breakers<br><b>Mohamed Alsaif</b><br>OMICRON electronics Middle East<br>Bahrain   | Smart lubrication system for reciprocating compressors<br><b>Dmitry Moskalenko</b><br>Hoerbiger<br>United Arab Emirates                         |
| 11:00 - 11:25 | Installation and Field Experience of Mechanical Seal Monitoring Kit to increase availability<br><b>Andreas Pehl</b><br>Eagleburgmann<br>Germany       | Optimizing Inventory for Enhanced Bottom-Line Performance<br><b>Majd Kinawi</b><br>John Crane<br>Saudi Arabia                                       | Leveraging the competency of employees and contractors through an In-House developed Basic Hazard Recognition simulations<br><b>Abdulrahman A. Alsharif</b><br>Saudi Aramco - Yanbu Refinery<br>Department<br>Saudi Arabia | Test Bench for Turbo charger<br><b>Alajmi, Ahmed A.</b><br>Saudi Aramco<br>Saudi Arabia   |
| 11:30 - 11:55 | Driving sustainability through Prescriptive Analytics in Asset Management<br><b>Muhammad Shafique</b><br>Emerson Automation Solutions<br>Saudi Arabia | Modernization with Cooling Tower Direct Drive Solution<br><b>Shubhankar Mishra</b><br>ABB<br>India  | Abqaiq Plants Empowerment Toward Reliability<br><b>Abdulrahman Aburoyan</b><br>Saudi Aramco<br>Saudi Arabia  | Enhancing Asset Management for Future Sustainability: "Best Practices and Aspects"<br><b>Mohamed Rashad</b><br>Alfanar Projects<br>Saudi Arabia |
| 12:00 - 12:25 | Seal-Less Magnetic Drive Units: Enhancing Pump Reliability and Efficiency - A Case Study<br><b>Hasan Ali</b><br>Bapco Refining<br>Bahrain             | An Optimization Model for Manpower Maintenance Capacity Planning<br><b>Mohammed AL-Shaeya</b><br>Ma'aden Aluminium Company<br>Saudi Arabia          | Increasing Plant Capacity Through Reliability<br><b>Ibrahim Al Brahim</b><br>Arab Paper Manufacturing Co.<br>Saudi Arabia  | Maintenance Competency Certification Dashboard<br><b>Naif Almohatrish</b><br>Saudi Aramco<br>Saudi Arabia                                       |
| 12:30 - 12:55 | Mechanical Seal Failure Analysis of a VS6 Type Surface Condenser Pump<br><b>Ali Almuathen</b><br>Bapco Refining<br>Bahrain                            | Optimization & Digitization of Gas -Oil Separation Plant (GOSP) Using an Hybrid/AI Model<br><b>Faisal Raza</b><br>SCHLUMBERGER/CAMERON<br>Bahrain   | Gaspac® LE & ZE - Low and Zero Emission Dry Gas Seals<br><b>Hussain Almahfoudh</b><br>Flowserve  | Robotic Process Automation (RPA) in Maintenance<br><b>Norah Alshammery</b><br>Saudi Aramco<br>Saudi Arabia                                      |

13:00 - 13:30

Hackathon Winners Announcement

13:30 Onwards

Closing Ceremony, Raffle Draw, and Lunch

## Conference Venue

The conference and exhibition will be held at the Exhibition World Bahrain.

Exhibition World Bahrain is a stunning piece of architecture that embraces the rich Arabic art and culture within its design. An innovative, flexible and adaptable space that is able to cater to every type of event from large conventions and exhibitions to meetings, entertainment, concerts, gala, events and celebrations.

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## Accommodation Information

Hotel accommodation has been reserved at the hotels near the conference venue at a special rate.

For special rates please visit our website [www.maintcon.org](http://www.maintcon.org)

The Kingdom of Bahrain, an archipelago of 33 islands, is rich in history and ancient civilizations, and is situated in the Arabian Gulf, off the east coast of Saudi Arabia. The country offers a fascinating blend of eastern and western cultures. The capital, Manama, is quite modern cosmopolitan city, which boasts world class restaurants, shopping centers, and tourist attractions. The climate is hot in summer and mild in winter. From October to March, the weather is very pleasant, with temperatures ranging from 15 to 24 degree centigrade. Arabic is the official language, but English is widely used by most businesses.

# About Bahrain



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