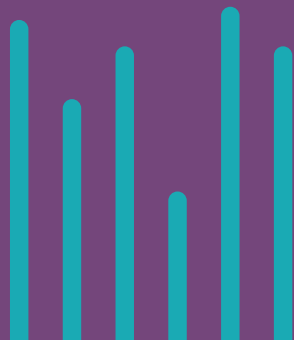




AGENDA





Opening Sessions 23th APRIL

- **Registration & Welcome Coffee** **07:30**
- **ADTC 2024 Inauguration and Keynote Session** **08:30**
- **Exhibition Opening** **09:30**

Conferences	APR 23rd	APR 24th	APR 25th
	10:30 - 16:15	08:30 - 16:15	08:30 - 14:30

DAY 1 TUE, 23rd APR, 2024

OPENING SESSIONS	
07:30 - 08:30	Registration & Welcome Coffee
08:30 - 09:30	Inauguration and Keynote: ADTC 2024
08:30 - 08:40	Welcome Address by Conference Chairman & ISA Leadership
08:40 - 9:20	<p style="text-align: center;">Opening Keynote Speakers</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Walid A. Al-Naeem VP & Chief Engineer Saudi Aramco</p> </div> <div style="width: 45%;"> <p>Norinao Sato President & Chief Executive Officer Yokogawa</p> </div> </div>
09:20 - 09:30	Sponsorship Appreciation & Plaque Distribution
09:30 - 10:30	EXHIBITION OPENING & COFFEE BREAK

DAY 1

TUE, 23rd APR, 2024

Conference Hall

10:30 - 11:15	<p>Panel Discussion: The Path to Integrating Sustainability & Digitalization</p> <p>Key Discussion Points</p> <ul style="list-style-type: none"> • Operation: Innovation, efficiency of process, resource, and productivity, impact on dematerialization, and customization. • Organizational: Workforce growth, structure, lowering risks, and enhancing relation with stakeholder, etc. • End user: Higher profitability and financial stability, new opportunities, improved image, etc. <table border="0" style="width: 100%; margin-top: 20px;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Panelist</p> <p>Abdullah M Al Hashim Transaction Lead for Smart Sustainable Business Saudi Aramco</p> <p>Panelist</p> <p>Baishakhi Bhattacharyya Vertical Growth Leader - Renewable Fuels - EMEA Honeywell</p> <p>Panelist</p> <p>Nassar AlAwami Manager - Enterprise Software Solutions - KSA Hitachi Energy</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Panelist</p> <p>Elina Idrisova Account Cross Technology Leader IBM</p> <p>Panelist</p> <p>Juan Carlos Gonzalez Bonilla Partner - Energy, MENA EY</p> <p>Panelist</p> <p>Abdulaziz Al Dossary Green Energy & Environmental Policy Saudi Aramco</p> </td> </tr> </table>	<p>Panelist</p> <p>Abdullah M Al Hashim Transaction Lead for Smart Sustainable Business Saudi Aramco</p> <p>Panelist</p> <p>Baishakhi Bhattacharyya Vertical Growth Leader - Renewable Fuels - EMEA Honeywell</p> <p>Panelist</p> <p>Nassar AlAwami Manager - Enterprise Software Solutions - KSA Hitachi Energy</p>	<p>Panelist</p> <p>Elina Idrisova Account Cross Technology Leader IBM</p> <p>Panelist</p> <p>Juan Carlos Gonzalez Bonilla Partner - Energy, MENA EY</p> <p>Panelist</p> <p>Abdulaziz Al Dossary Green Energy & Environmental Policy Saudi Aramco</p>
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11:15 - 11:35	<p>Presentation 1: Autonomous UAV Operations: A Key to a Sustainable Future</p> <p>Mudasar Ahmed Solutions Sales & Marketing Manager Yokogawa</p>		
11:35 - 11:55	<p>Keynote Presentation: Introduction to Hybrid Edge Cloud (HEC)</p> <p>Siavash AlAmouti Executive Chairman of the Board MIMIK</p>		
11:55 - 12:15	<p>Presentation 2: Operations Digital Twin – “Plant.Digital”, a Honeywell And Aramco Joint Venture for New Intelligent Operations Software Solution</p> <p>Oliver Braun Chief Commercial Officer Plant.Digital - An Aramco and Honeywell Company</p>		
12:15 - 12:35	<p>Keynote Presentation: Harnessing AI for Autonomous Operations in Oil & Gas</p> <p>Wassim Ghadban Vice President - Global Innovation & Digital Engineering Kent</p>		
12:35 - 12:55	<p>Presentation 3: OT Cybersecurity human capital Development: Developing human capabilities in the OT cybersecurity world.</p> <p>Doaa Zamzami ICS Governance Saudi Aramco</p>		
12:55 - 13:55	NETWORKING LUNCH BREAK		



DAY 1

TUE, 23rd APR, 2024



Conference Hall

13:55 - 14:15	<p>Keynote Presentation: Convergence of modern data analysis and cloud computing</p> <p>Dr. Ebtehal AlHoshan IB Cloud Application Country Manager Oracle</p>
14:15 - 14:35	<p>Presentation 4: Driving Safe, Reliable and Sustainable Operations Using A Novel Asset Performance Management Framework</p> <p>Nassar AlAwami Manager - Enterprise Software Solutions - KSA Hitachi Energy</p>
14:35 - 14:55	<p>Presentation 5: Investigating Ammonia-Based Aeration Control for Sequential Batch Reactors in Wastewater Treatment</p> <p>Dr Raed AlJowder Assistant Professor University of Bahrain</p>
14:55 - 15:15	NETWORKING COFFEE BREAK
15:15 - 15:35	<p>Presentation 6: Cybersecurity for Safe and Available Industrial environments</p> <p>Samir Mokhtar Solutions Architect Manager - EMEA Fortinet</p>
15:35 - 15:55	<p>Presentation 7: Interpreting Data as Human or Machine</p> <p>Dana Baghabrah Computer Operations System Analyst Saudi Aramco</p>
15:55 - 16:15	<p>Presentation 8: Spare Management Tool: Cutting Costs and Mitigating Risks in Your Operations.</p> <p>Ibrahim AlAbri Control & Automation System Engineer Petroleum Development Oman</p> <p>Omar Al Kindi Control & Automation System Engineer Petroleum Development Oman</p>

Poster Presentations

09:40 - 10:00	<p>Poster Presentation 1: Unified Maritime Logistics UML</p> <p>Ali Yahia Corporate Business Applications Department Saudi Aramco</p>
10:00 - 10:20	<p>Poster Presentation 2: Digital Asset & IIoT</p> <p>Alberto Duque General Manager - Middle East Antea</p>
12:00 - 12:20	<p>Poster Presentation 3: Harnessing Artificial Intelligence for Pipelines Leak Detection:</p> <p>Abduljabbar AlMohsen Digital Officer Saudi Aramco</p>



DAY 1 TUE, 23rd APR, 2024

Poster Presentations

12:20 - 12:40	<p>Poster Presentation 4: Creating smarter sites with Industrial-IoT sensors</p> <p>Nadine Herrwerth Chief Executive Officer TWTG</p>
12:40 - 13:00	<p>Poster Presentation 5: Integration of Threat Intelligence in ICS/OT Supply Chain Cybersecurity</p> <p>Norah AlKathlan Industrial Control Systems (ICS) Cybersecurity Analyst Saudi Aramco</p> <p>Prem Kumar Cybersecurity Engineer Saudi Aramco</p>
13:00 - 14:00	NETWORKING LUNCH BREAK
14:55 - 15:15	<p>Poster Presentation 6: Digitize your field operations by deploying edge AI solutions to improve productivity and sustainability</p> <p>Yves Bourgade Executive Director Deap Vision</p>

END OF DAY 1

DAY 2 WED, 24th APR, 2024

Conference Hall

08:30 - 08:50	<p>Presentation 9: A Method of Automating HR Report Generation With Code-Generating Large Language Models</p> <p>Badr Al Dhalaan AI Group - Corporate Applications Department Saudi Aramco</p>
08:50 - 09:10	<p>Presentation 10: OT Cybersecurity: The Standards Conundrum</p> <p>Mubarik Mustafa OT/ICS Cybersecurity Consultant ACET Solutions</p>
09:10 - 09:30	<p>Presentation 11: Digital TWIN and the Future of power generation</p> <p>Omran Al Majid Generation Engineer Specialist Saudi Electricity Company</p>
09:30 - 09:50	<p>Presentation 12: Intelligent Maintenance Recommender System</p> <p>Abrar Alamoudi Research Engineer Yokogawa</p>
09:50 - 10:10	<p>Presentation 13: Integration of Safety Instrumented System (SIS) with BPCS</p> <p>Shemej Kumar Design Engineer Kuwait Oil Company</p>



Conference Hall

10:10 - 11:10	NETWORKING COFFEE BREAK	
11:10 - 11:55	<p>Panel Discussion: Addressing Current & Future Challenges In Cybersecurity: Key Discussion Points</p> <ul style="list-style-type: none"> • Best practices in internal risks, industry trending risks, third party trust among other topics in cybersecurity- At personal, operating plant, and societal levels. • Reassessing methods used to fight future cyber battles. • Keeping up with the emerging threats and creative new uses of technology. • Strategies by academia that follow an agile academic program that keep up with continuous changes in trends, technologies, threats in cybersecurity. 	
	<p>Panelist Fahad A: Al Amer Manager - Process Automation Systems Saudi Aramco</p>	<p>Panelist Samir Mokhtar Solutions Architect Manager - EMEA Fortinet</p>
	<p>Panelist Salem S: Al-Elwi Manager - Industrial Control Systems Security Saudi Aramco</p>	<p>Panelist Majid Al Majid KSA Operations Manager ACET Solutions</p>
	<p>Panelist Hosni Mahjooub Expert in ICT & Digital Technology Naizak</p>	
11:55 - 12:15	<p>Presentation 14: Empowering Operators: AI-Driven Solutions for Enhanced and Future ready Industrial Operations Baishakhi Bhattacharyya Vertical Growth Leader - Renewable Fuels - EMEA Honeywell</p>	
12:15 - 12:35	<p>Taloot Al Busaidi Control & Automation Engineer Petroleum Development Oman</p>	<p>Noor Al-Hamimi Control & Automation Engineer Petroleum Development Oman</p>
12:35 - 12:55	<p>Presentation 16: Smart Underground Water Consumption Monitoring Abduljabbar AIMohsen Digital Officer Saudi Aramco</p>	
12:55 - 13:55	NETWORKING LUNCH BREAK	
13:55 - 14:15	<p>Keynote Presentation: OQ TEC Presentation Omar Qaise Founder & CEO OQTEC</p>	
14:15 - 14:35	<p>Presentation 17: Introduction of IoT in the Process Industry Rick West Vice President - Global Engineering Weidmuller</p>	
14:35 - 14:55	<p>Soliman Walaie Senior Engineering Consultant Saudi Aramco</p>	<p>Abdulkarim AlWathnani Control & Instrumentation Engineer Saudi Aramco</p>
14:55 - 15:15	NETWORKING COFFEE BREAK	
15:15 - 15:35	<p>Presentation 19: Operational Digital Twin Abstract Michele Cacciari Industry Expert in Oil & Gas and Petrochemicals AVEVA</p>	



DAY 2

WED, 24th APR, 2024



Conference Hall

15:35 - 15:55	<p>Presentation 20: Can Process Safety Systems Contribute to Digital Transformation?</p> <p>Edward Naranjo Business Development Manager - Process Safety Automation Equipment Honeywell</p>
15:55 - 16:15	<p>Presentation 21: Non-Contact Radar Wellhead Growth Monitoring Digital Solution to Protect Well Integrity</p> <p>Jai Chainani Senior Process Control System Engineer Saudi Aramco</p>

Poster Presentations

10:10 - 10:30	<p>Poster Presentation 7: AI-driven data contextualization</p> <p>Ruslan Miftakhov Head of Solutions Cntxt</p>
10:30 - 10:50	<p>Poster Presentation 8: ISA 112 - A SCADA standard made by automation engineers, for automation engineers and for everyone else</p> <p>Omar Bin Abdul Aziz Vice President - Digital Transformation Avanceon</p>
10:50 - 11:10	<p>Poster Presentation 9: Patching or Pausing? The OT/ICS vulnerability dilemma</p> <p>Nebras Qureshi Founder OTSEC:IO</p>
12:20 - 12:40	<p>Poster Presentation 10: A Systematic Methodology to Address the Gas Detection System Issues</p> <p>Farhan Baig Team Lead Farabi Petrochemicals</p>
12:40 - 13:00	<p>Poster Presentation 11: Digital Twins</p> <p>Ezzat Sabry Managing Director Geomatex</p>
13:55 - 14:15	<p>Poster Presentation 12: Happy Operators and Safe Operations by making a big impact on Nuisance Alarm Management</p> <p>Jai Chainani Senior Process Control System Engineer Saudi Aramco</p>
14:15 - 14:35	<p>Poster Presentation 13: SLB Asset Performance</p> <p>Adnan Chughtai Global Alliance Business Development & Technology Manager Schlumberger</p>
14:35 - 14:55	<p>Poster Presentation 14: Revolutionizing Post Weld Heat Treatment: The Power of Digital Recording for Enhanced Efficiency</p> <p>Abdullah Al Issa Upstream Oil Projects Inspection Department Saudi Aramco</p>

END OF DAY 2

DAY 3

THU, 25th APR, 2024

Conference Hall

08:00 - 08:30	Welcome Coffee	
08:30 - 08:50	Presentation 22: Building Blocks to Empower Cognitive Internet with Hybrid Edge Cloud Siavash AIAmouti Executive Chairman of the Board MIMIK	
08:50 - 09:10	Presentation 23: Digital - Smart Asset Management Solutions Mike Shepherd Group Business Development Director Alderley	
09:10 - 09:30	Presentation 24: Control system upgrade/migration experience Abdulmajeed AIAbdulhadi IT Governance Group Saudi Aramco	
09:30 - 09:50	Presentation 25: Inspection Water pipelines using an underwater ROV Nikhilesh Prasannakumar Lead Embedded and Software Engineer EyeROV Technologies	
09:50 - 10:10	Presentation 26: Cybersecurity and Large Language Models Dr. Nazeeruddin Mohammad Director of Cybersecurity Center Prince Mohammad Bin Fahd University	
10:10 - 10:30	Presentation 27: IEC61499 as a collaboration platform and an enabler to reduce engineering effort Mohamed AIMaz Multi-Technology Architect Schneider Electric	
10:30 - 11:00	NETWORKING COFFEE BREAK	
11:00 - 11:20	Presentation 28: Saudi Aramco journey toward Industrial Internet of Things (IIoT):Transforming Quality Aspects of Oil & Gas Capital project facilities Meshari AIOTAibi Supervisor-Inspection Department Saudi Aramco	
11:20 - 11:40	Presentation 29: Elevating Industry Through Seamless Digital Transformation Abdullah Khalifah Engineering Director Taquein Automation	
11:40 - 12:00	Presentation 30: Boiler Diagnostic Digital Solution Shaima AIMajed Hydrogen Systems Engineering Group Saudi Aramco	Hissah AIKhalidi Digital Engineering Solutions Div Saudi Aramco
12:00 - 12:20	Presentation 31: Future of IMoM Implementation Nile AIRushaid Automation & Project Management Expert Fathom.io	

DAY 3 | THU, 25th APR, 2024



Conference Hall

<p>12:20 - 12:40</p>	<p>Presentation 32: Enabling Interactive Conversations with PDO Standard Specification Documents using ChatGPT</p> <p>Saif Al Farai C & A Construction Engineer Petroleum Development Oman</p> <p>Dr. Fahad Al Kalbani Control & Automation System Engineer Petroleum Development Oman</p>
<p>12:40 - 13:00</p>	<p>Presentation 33: Operation excellence & Digital transformation go hand in hand</p> <p>Arun Kumar General Manager - Operation Excellence & Engineering HPCL Mittal Energy Limited</p>
<p>13:00 - 14:30</p>	<p>NETWORKING LUNCH BREAK</p>

Poster Presentations

<p>10:30 - 10:50</p>	<p>Poster Presentation 15: Industrial Internet of Things Architecture Standardization (Benefits, Challenges & Remediations)</p> <p>Omar T Abdulwahed OT Cybersecurity Engineering Saudi Aramco</p> <p>Dr. Mohammed Alsaeed Engineering Consultant Saudi Aramco</p>
<p>10:50 - 11:10</p>	<p>Poster Presentation 16: Yes...it is possible to safely upgrade legacy DCS during Live Production</p> <p>Jai Chainani Senior Process Control System Engineer Saudi Aramco</p>

END OF CONFERENCE