Future Digital Twin & AI Conference Middle East

EXPLORING OPEN COLLABORATION, INNOVATION THROUGH A DIGITAL TWIN

A senior-level conference on technology, innovation, and Sustainability

30th October 2025 | Abu Dhabi | Beach Rotana Resort

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- **Saleh Al-Wadei, Senior Project Manager, Yanbu Aramco Sinopec Refining Company (YASREF)**
- **Majed AlFulaiti, VP, Panorama Digital Command Center, ADNOC**

Speakers

- **Ali Abdulla Hassan Salman, Chief of Information Technology, Ministry of Oil & Environment Bharain**
- **Saleh Al-Wadei, Director, Maintenance Manufacturer Shops, Yanbu Aramco Sinopec Refining Company YASREF (Aramco)**
- **Adolfo Perez, VP, Strategy & Business Development, ADNOC**
- **Kushal Desai, Digitalisation & Innovation Manager, Pearl GTL Plant, Shell**

- Wassim Ghadban, SVP, AI & Digital Energies, Kent
- Khaled Darwish, Lead Engineer, Smart Grid Automation, TAQA
- Dr. Omar Alfarisi, AI Senior Advisor, Dragon Oil
- Fernando Landaeta Rivas, Drilling Performance Senior Engineer, ADNOC
- Shane McArdle, CEO, Kongsberg Digital
- Arvin Singh, Partner, Head of Digital Advisory, ME & SE Asia, Wood
- Satyadileep Dara, Advisor, AI & Technology Operations, ADNOC
- Mithula Jeyabalasingam, Business Manager, Middle East, Data & Digital Integration, Wood
- Maryvi Yabet Santiago, Senior Engineer, Reservoir Management, ADNOC
- Dr Chris Cooper, Executive Advisor, Group Digital & Cyber Security, Former CEO AIQ
- Mikael Berthod, General Manager, Refining & Marketing, MEA, OMV
- Dorzhi Badmaev, Senior Specialist Cognitive Reservoir Management, ADNOC
- Izwan Adnan MBA, Senior Reservoir Engineer, Chairman SPE Northern Emirates Section Dragon Oil
- Dr Wael Ziadat, VP , Corva AI
- Utsav Kishore, Senior Project Manager, NMDC Energy
- Vinay Palankar, Lead, Procurement & Supply Chain Excellence, Borouge
- Erika Parn, Research Assistant Professor, PhD, NYU Abu Dhabi
- Dr. Ebrahim Al Alkeem Al Zaabi, Ph.D., Board Member of Cybersecurity Academy, Government of Abu Dhabi
- Richard Mohan, Senior Specialist, Advanced Reservoir Solutions, ADNOC
- Yara Alatrach, Energy Industry Director, AI, Microsoft
- Mostafa Mobasher, Assistant Professor of Civil & Urban Engineering, NYU Abu Dhabi
- Clayton Ludik, VP, EMEA & APAC, Worley
- John Cumming, Director Centre of Excellence, Digital Twin & Simulation, Worley
- Sara Al Wehaibi, Digital Factoy Specialist, Operational Excellence, ADNOC
- Kari Manner, Director, Business Development, Process Industry, Cadmatic
- Mike Roshchin, Ph.D., Senior Vice President, Inception
- Partha Pratim Dev, Venture Manager, Offshore Engineering Structure, Rosenex
- Manish Thakur, OT Network & Cybersecurity Manager, Kent
- Berdivar Saurbayev, Head of Operational Transformation, Energy, EPAM
- Eiman Alhashmi, Digital Engineer, Kent
- Simon Williams, CAIO, Atelic AI
- Meaghan Snethlage, VP of Business Development, VEERUM
- Nadun Muthukumarana, CEO, V2T

08.00 Registration & coffee & networking

8.45 Welcome Address from the Event Organiser
Adam Soroka, CEO, Cavendish

8.50 Chairman of ME Advisory Board Opening Remarks
Wassim Ghadban, SVP, AI & Digital Energies, Kent

8.55 Opening Remarks Advisory Board
Shane McArdle, CEO, Kongsberg Digital

9.00 "Thought Leadership Presentation"
Wassim Ghadban, SVP, AI & Digital Energies, Kent

9.15 Panel 1 Discussion

Contextualising and Enabling Data – Creating Data Federations and Data Sharing Infrastructures

- Building a data platform for Engineering and operational data – Incorporating calculated data to the elements, measurements properties and dimensions
- Interoperability, Automation and standardisation – Creating links between data sources in a useful and logical manner
- Neutralisation of process and physical models – Assessing simulation and optimisation capabilities through contextualised data
- Integrating a common data model – How to bring to bring a digital twin to life with static and dynamic data

Speakers

Adolfo Perez, VP, Strategy & Business Development, ADNOC
Shane McArdle, CEO, Kongsberg Digital
Khaled Darwish, Acting Lead Engineer, Smart Grid Automation, TAQA
Wassim Ghadban, SVP, AI & Digital Energies, Kent
Ali Abdulla Hassan Salman, Chief of Information Technology, Ministry of Oil & Environment Bharain

Moderator

Dr Chris Cooper, Executive Advisor, Group Digital & Cyber Security, Former CEO AIQ

Scaling AI and Facility Planning

10.10 Thought Leadership Presentation
Shane McArdle, CEO, Kongsberg Digital

10.25 "Collaborative Intelligence & Democratised AI – A Hybrid Catalyst for Innovation"
Dr. Omar Alfarisi, AI Senior Advisor, Dragon Oil

10.40 – 11.10 Morning refreshments & networking break

11.10 Panel 2 Discussion

Encouraging the Development of AI in Facility Planning – Assessing the Challenges and Opportunities in Scaling Artificial Intelligence with a Digital Twin

- Cybersecurity and Privacy in Digital Twins and AI ecosystems – Overcoming hallucinations and data governance challenges
- Digital Twin and the future of custom AI agents – Exploring boundaries for responsible AI strategies
- Robotic Process Automation (RPA) – Exploring autonomous platforms that integrate robotics, AI and IoT
- Pioneering Digital twin Open Architecture – Integrating standardised data models and ensuring interoperability across multiple platforms

Speakers

Yara Alatrach, Energy Industry Director, AI, Microsoft
Saleh Al-Wadei, Director, Maintenance Manufacturer Shops, Yanbu Aramco Sinopec Refining Company YASREF (Aramco)
Dorzhi Badmaev, Senior Specialist Cognitive Reservoir Management, ADNOC
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Izwan Adnan MBA, Senior Reservoir Engineer, Chairman SPE Northern Emirates Section Dragon Oil
Dr. Ebrahim Al Alkeem Al Zaabi, Ph.D., Board Member of Cybersecurity Academy, Government of Abu Dhabi
Moderator
Mikael Berthod, General Manager, Refining & Marketing, MEA, OMV

Digital Twins, Agentic AI and RAG

12.00 "DT Framework for Late Asset Integrity Management of Oil & Gas Facilities – Separating Fact from Fiction"
Partha Pratim Dev, Venture Manager, Offshore Engineering Structure, Rosenex

12.15 Panel 3 Discussion
Understanding Agentic AI and Retrieval Augmented Generation (RAG) – Integrating AI with Digital Twin for Actionable Insights

- Defining new operating models – Enabling advance process control and distributed control systems through an operational twin
- Measuring the impact on value chains – How technology influences processes automation for downstream, production optimisation for upstream and LNG plant optimisation for midstream
- Limitations and controls of AI Models - How to prevent proprietary information from being leaked
- Practicing Secure and responsible AI – How AI can be used to support safety critical decision making
- End to end digital twin verification and validation - How can AI support uncertainty quantification

Speakers
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Meaghan Snethlage, VP of Business Development, VEERUM
Erika Parn, Research Assistant Professor, PhD, NYU Abu Dhabi
Kushal Desai, Digitalisation & Innovation Manager, Pearl GTL Plant, Shell
Dr Wael Ziadat, VP , Corva AI
Moderator
Maryvi Yabet Santiago, Senior Engineer, Reservoir Management, ADNOC

13.00 "Veerum Thought Leadership Presentation"
Meaghan Snethlage, VP of Business Development, VEERUM

13.15 – 14.45 Lunch & networking break

14.45 "Inception Thought Leadership Presentation"
Mike Roshchin, Ph.D., Senior Vice President, Inception

14.55 "Ateltic AI Thought Leadership Presentation"
Simon Williams, CAIO, Atletic AI

ML, AI & Predictive Maintenance

15.05 Panel 4 Discussion

Incorporating Machine Learning and AI Infused Models – Understanding Applications in Exploration, Drilling and Predictive Maintenance Whilst Aligning People with Process

- AI and predictive maintenance – Predicting and preventing equipment failures whilst simultaneously increasing safety and saving costs
- Enterprise best practice in AI – Understanding the legal consequence and privacy concerns when dealing with AI models and digital twin
- Empowering a diverse workforce – How to enable people to perform at their best in times of change
- Dynamic twins and autonomous operations – Enabling Digital Twin OTS with 3D visualisation
- LLM's and GenAI Applications – Assessing the risks introduced by GenAI and large language models in the field of AI

Speakers

Clayton Ludik, VP, EMEA & APAC, Worley
Fernando Landaeta Rivas, Drilling Performance Senior Engineer, ADNOC
Arvin Singh, Partner, Head of Digital Advisory, ME & SE Asia, Wood
Vinay Palankar, Lead, Procurement & Supply Chain Excellence, Borouge
Satyadileep Dara, Advisor, AI & Technology Operations, ADNOC

Moderator

Eiman Alhashmi, Digital Engineer, Kent

15.45 "The $100m Question – How to Extract Measurable ROI from Oilfield to Pump with AI Digital Twins"

Nadun Muthukumarana, CEO, V2T

16.00 "Cadmatic Thought Leadership Presentation"

Kari Manner, Director, Business Development, Process Industry, Cadmatic

16.15 – 16.45 Afternoon refreshments & networking break

Remote Operations and the Metaverse

16.45 Panel 5 Discussion

Remote Operations – Digital Twin as a Central Systems of the Industrial Metaverse Infused with AI

- Remote Monitoring and Control – Increasing efficiency and measuring the impact of a digital twin in controlling assets and lessening the need for onsite personnel
- Leveraging new technologies for AI maintenance – How can the last technology alleviate the maintenance burden and enhance operational efficiency
- Connected experiences through AR, VR and XR – Augmenting human capabilities in offshore platforms and remote industrial sites
- Safeguarding AI in critical business operations – Assessing deployment of AI and Machine learning for advanced process control

Speakers

John Cumming, Director Centre of Excellence, Digital Twin & Simulation, Worley
Manish Thakur, OT Network & Cybersecurity Manager, Kent
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17.30 Close of Conference