



Oil & Gas Digital Twin Conference & Exhibition 2025

May 13-14, 2025 | Houston, TX, USA

Discover latest solutions and emerging trends in the industries!



Our current & previous sponsors:



ABOUT CONFERENCE

The Oil & Gas Digital Twin Conference 2025 stands as a pivotal gathering where industry professionals and technology innovators convene physically to spearhead an extensive digital transformation within the Oil & Gas sector.

In this immersive environment, participants can anticipate a wealth of insights, including real-world case studies and engaging discussions on the latest technological advancements.

This exclusive event is dedicated to exploring the nuances of the digital twin ecosystem, delving into crucial aspects such as sustainability, operational impact using Digital Twin and Generative AI, digital integration in the upstream sector, cybersecurity considerations, and efficiency improvements in Asset Performance Management. Notably, the conference highlights the crucial role of Digital Twin in steering the industry towards a Net Zero Future, emphasizing sustainability and operational excellence as key objectives.

CONFERENCE PROGRAM KEY TOPICS



Upstream Digital Integration Analysis

Examining the digital integration in the upstream sector amidst disruptions, technology transitions, and an agile workforce, while simultaneously evaluating the cybersecurity risks associated with enhanced technology deployment



Best Practices and Case Studies

Highlighting best practices and real-world examples in understanding the dynamics between operators and vendors, focusing on roles, data ownership, and collaborative pathways



Net Zero Future

Exploring the critical role of a Digital Twin and a data-driven ecosystem in the Sustainable Roadmap for achieving a Net Zero Future through the process of decarbonization



Digitalizing Asset Performance

Improving business efficiency through digitalization in Asset Performance Management, emphasizing effective data handling and operational models



Opportunities and Challenges

Navigating opportunities and challenges in corporate adaptation and change management while redefining leadership models



Digital Twin Impact

Leveraging Digital Twin and Generative AI to gauge their impact on operational efficiency and productivity

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Exhibition Sponsor

Gold Sponsor



Session Sponsor



Bronze Sponsor



FEATURED SPEAKER



Andrea Mancini

Senior Engineering Manager, Europe & CIS

Honeywell



Kamilah M A Jamil

Head Value Creation,

Petronas



Giuseppe Trefiletti

Digital Transformation Manager

Saipem



Saad Kisra

Global Head of Process Simulation

Schlumberger



Rafiq Khurshid

IT Security Solutions Specialist

Saudi Aramco



Wassim Ghadban

Vice President, Global Innovation & Digital Engineering

Kent PLC



Stelios Panaretos

IT Retail Manager

Motor Oil Hellas



Vitor Do Valle

Head of Centre of Excellence in UX & Digital Technology

Petrobras



Subrata Bhowmik

Principal Engineer - Innovation

McDermott International, Ltd



Iniesta Alberto

Director - Customer Solutions

Worley



Crispin Chatar

Drilling Optimization Champion

SLB



Tim Bartlett

Leading Engineer Technology Management

Equinor US



Vinayak Kharche

Head Of Information Systems & Automation

Adani Petrochemicals

CONFERENCE IN NUMBERS

Overview on attendee demographics

Read more information about conference attendees, job titles, job functions, and more.



COMPANY SIZE

- ✓ 1-100 Employees - 26%
- ✓ 100-1,000 Employees - 22%
- ✓ 1,000-10,000 Employees - 22%
- ✓ 10,000+ Employees - 30%

350+
Attendees

24+
Technical
Speakers

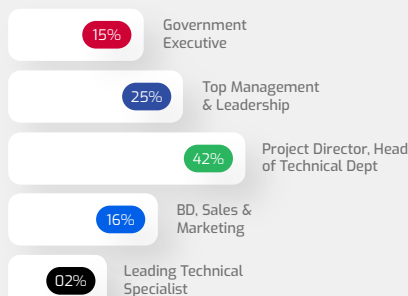
18+
Sponsors &
Exhibitors

250+
Companies

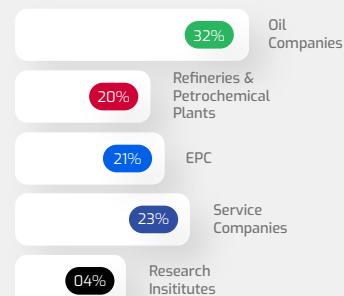
35+
Countries

45+
Media Partners

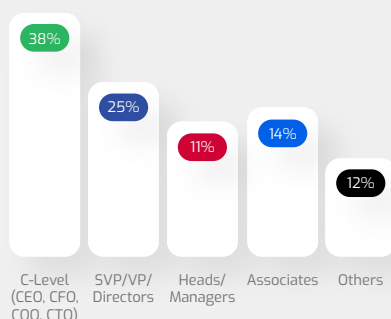
ATTENDEE JOB PROFILES (%)



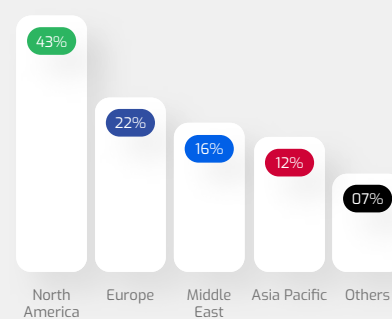
ATTENDING COMPANIES (%)



ATTENDEE SENIORITY LEVEL (%)



INTERNATIONAL ATTENDANCE (%)



ATTENDEE JOB FUNCTIONS

- ✓ Exploration & Production
- ✓ Refineries
- ✓ Oilfield Services Companies
- ✓ Drilling Companies
- ✓ Pipeline Operators
- ✓ Governmental Bodies
- ✓ Project Excellence
- ✓ IT Services and IT Consulting
- ✓ Business Development
- ✓ Equipment Manufacturers
- ✓ Software Development
- ✓ Wireless Services
- ✓ Engineering, procurement, and construction (EPC)
- ✓ Technology, Information and Internet
- ✓ Data Infrastructure and Analytics
- ✓ Data Security Software Products
- ✓ Automation Machinery Manufacturing
- ✓ Digital Innovation
- ✓ Business & Digital Transformation
- ✓ AI & ML

AMONG REGULAR PARTICIPANTS



“ Thanks very much for this opportunity. I was impressed by the quality of your event. It was as well run and organized as I’ve ever attended. Great experience! ”



Arthi Vasudevan
Senior Product Manager
at Baker Hughes

What can you expect?

Insightful keynotes, user case studies, technical demos, a startup competition, brainstorming sessions, open dialogue, the feel of community, and non-stop networking!

Day 1
Monday, May 13, 2025

● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:30

Registration & Refreshment Networking



09:00

Advanced Data Analytics for Business Growth – to Oil and Gas (O&G) Industry
Harnessing IoT and Digital Twins for Predictive Maintenance and Sustainable Operations.



Sree Muktevi
Regional Vice President, **Yash Technologies**



Gopal Krishnaswamy
Asst. Vice President (Analytics Thought Leader), **Yash Technologies**



09:30

Using Digital-twins to Optimize Heat Exchanger Networks and Monitor Operations

- We first show how digital twin software fits into existing data workflows, and how it can be used to optimize exchanger cleaning schedules.
- Then we delve into a case study where a digital twin was used to select an optimal turnaround cleaning schedule based on total costs, including CO2 impact.
- Finally, we explore other applications for a digital twin, and pending features currently in development.



Greg Magness
Regional Sales Manager, **HTRI Heat Transfer Research, Inc.**



10:00

Patenting Internet of Things (IoT) and AI inventions in the Oil & Gas industry

- Patent filings statistics in the oil and gas industry dealing with Internet of Things (IoT) and AI inventions
- Patenting strategies for protecting Internet of Things (IoT) and AI inventions in the oil and gas industry



Ryan phelan
Registered Patent Attorney and Partner, **Marshall, Gerstein & Borun**



10:30

Powering the Future of Energy Markets with Innovation

- Comprehensive Product Portfolio – Covering Spot Gas, Future Gas, Day-Ahead Market, Intra-Day Market, Power Futures, Renewable Energy Guarantees, and more.
- Tailor-Made Solutions – Offering SaaS & on-premise deployments, customized to local regulations and market needs.
- Cutting-Edge Technology – Backed by 200+ experts, utilizing Latest Best Practices-Technologies, Blockchain and Proven Quality with CMMI 3 for robust solutions.
- Scalable & Reliable Architecture – Implementing Microservices & Cloud-Native Applications for high-performance energy market solutions



Mehmet Uçansoy
Director, Information Technology, **EXIST**



Hayri Simsek
Manager of Product Strategies at EPIAS, **EXIST**



11:00

Data-driven Virtual Flow Meter

- Introduction physical meters vs virtual flow meter(VFM) for production flow estimation
- Machine learning/deep learning modeling for VFM
- Automated workflow pipeline



Yongfeng Li
Manager Eng Analytics, **Oxy**



11:30

Enhancing Asset Integrity and Performance in Oil & Gas Operations Using Performance Digital Twins

- Performance Digital Twins for Offshore Assets – Digital replicas integrating real-time sensor data with design criteria, industry standards, and operational KPIs to enhance asset integrity management and decision-making.
- Real-Time Data Integration & Insights – Combines environmental (wind, wave, current) and structural response sensors (strain, motion, GPS) to provide actionable engineering insights for safety, reliability, and performance optimization.
- Use Cases & Applications – Supports real-time condition reporting during hurricanes, post-event integrity assessments, operational decision-making, and continuous asset monitoring to enhance offshore asset resilience and efficiency.
- Advanced Technologies & Scalability – Leverages automated data processing, machine learning, and visualization tools to analyze vast sensor data streams, extending asset life and reducing operational risks in offshore environments



Phani Shakkari
Principal Data Analyst, **bmtglobal**



LUNCH AND NETWORKING BREAK

12:00 [1 Hour]

13:00

AI-Driven Mobile Suite: Revolutionizing Oilfield Service Operations

- Objective: Implement a mobile solution to enhance field efficiency and streamline equipment management.
- Methods: Integrate AI-powered communication, real-time management, and digital authorization.
- Results: Achieved 30% efficiency increase and reduced document approval times from 2.5 days to 4 hours.



Michael Maltsev
CEO, **riger® - Oilfield Services ERP**



13:30

Smart Manufacturing 4.0 (Focus on Data, Digital twin, Sustainability, NetZero) driven by Digital Innovations

- Leveraging Applied AI based Digital Solutions for achieving Sustainability/Net Zero targets in Oil and Gas
- Centralized datahubs, Real time seamless data access, High Fidelity Digital twins
- Machine Learning algorithms for Predictive Maintenance and Run-length/Cycle-time optimizations
- Gen AI Powered Chatbot tailored to Oil and Gas: "INGIE"



Chandra Pulleti
Director Value Enhancement Program, Americas, **Ingenero**



14:00

Digital Transformation, from the edge to the Cloud

- Digital Transformation, what do you mean?
- Edge data storage solutions
- Introduction to the Data Storage Appliance
- Much more than storage
- Imagery service offerings



Thomas Peters
Founder, **Imagery Business Systems, LLC**



Michael Hotrum
CEO, **Imagery Business Systems, LLC**



NETWORKING BREAK

14:30 [30 Min]

15:00

Optimizing Natural Gas Compression: Utilizing a Digital Twin to Revolutionize Compressor Control

- Operators managing compressor fleets face challenges with dynamic field conditions, limited asset visibility, strict environmental regulations, & costly downtime. Traditional solutions often rely on fragmented systems & manual processes, leading to inefficiencies & suboptimal performance.
- This session explores how Dynamic Package Control, achieved with Digital Twin technology running on edge devices, addresses these challenges. Attendees will gain insight into the evolution of compressor management, from reactive maintenance to predictive insights & autonomous operation.
- We will discuss the current challenges, the limitations of existing approaches, and the vision of an ideal state where edge-enabled Digital Twin models enhance control and optimize performance.
- Learn how this approach extends operating ranges, prevents failures, reduces emissions, and supports sustainability, ultimately transforming compressor management into a streamlined, efficient process.



Zachary Bennett
SME, **DETECHTION**



15:30

Real Time Well Engineering with Generative Artificial Engineering Intelligence (GenAel): At Speed, At Scale, At Edge, in Real Time

- It is not just drilling ahead with digital transformation but with data, ML, AI, automation, and people converging to autonomics making the well construction in self-configuring, self-diagnosis, self-healing, self-optimizing and self-managing state.
- Digital well program consists of engineering formalism through engineering microservices, plus interpretation of data and thus providing the reaction link between the mathematical formulation and elements of the physical world.
- The talk will provide the context and the requirements of engineering microservices coupled with GenAel models for the new paradigm of well construction at scale, at speed and at edge.



Robello Samuel
Chief Technical Advisor & Senior Fellow, **Halliburton**



16:00

Booked for FTI
Vice President of Automation and Digital Strategy, **Operations Technology Specialists, LLC**



END OF DAY 1

Day 2
Tuesday, May 14, 2025

● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:30

Registration & Refreshment Networking

09:00

Advanced Data Analytics for Business Growth – to Oil and Gas (O&G) Industry
Harnessing IoT and Digital Twins for Predictive Maintenance and Sustainable Operations.

Sree Muktevi
Regional Vice President, **Yash Technologies**

Krenal Chauhan
Sr. Technical IoT Architect, **Yash Technologies**

09:30

From Data to Decisions: HTRI Digital Twin Solutions for Heat Exchanger Performance Monitoring, Optimization, and Troubleshooting

- HTRI is a trusted research and software provider in the oil and gas processing industry for computer simulation of heat transfer equipment.
- HTRIconnect™ integrates near real-time plant data with heat exchanger simulations to realize digital twins of air coolers, economizers, and furnaces, as well as plate-fin, spiral plate, and shell-and-tube heat exchangers.
- Explore applications of digital twins in realistic scenarios to estimate fouling that affects heat transfer performance and tube metal temperatures that cause creep failure in operation.

Fred Hendrix
Group Lead, Software Development, **HTRI Heat Transfer Research, Inc.**

10:00

Digitalization Drives Turnaround and Plant-Based Project Excellence

- Review industry turnaround and plant-based project performance trends
- Demonstrate how digital technologies contributes to better performance:
- Discuss how organizations can effectively implement digital tools

Brett Schroeder
Co-Founder and CEO, **AP Networks**

10:30

Clean Energy for Data Centers - Small Modular Nuclear Reactors (SMR)

- Benefits of SMR's for Data Centers and AI servers – Our next tier of life Artificial General Intelligence (AIG)
- Achieving Cost Reduction at Scale: Lessons from France's Model for Building These Reactors
- Safety Challenges associated with projected increased density of nuclear reactors within civic locations

Saeed Mehmood
Program Manager - Commissioning and Quality, **Tesla**

11:00

Rapid Technical Analysis Digital Twin Technology

- Using Digital Twin technology to rapidly analyze operational risk and reliability
- prepare industry/regulatory certified 3rd party reports on demand

Garry Davis
President and CEO, **BOP Risk Mitigation Services, LLC**

11:30

Booked for FTI
Vice President of Automation and Digital Strategy, **Operations Technology Specialists, LLC**

LUNCH AND NETWORKING BREAK12:00 [1 Hour]

13:00

Digital Transformation for Equipment Health in a Refinery Setting using a Digital Infrastructure and Analytics to Inform Decisions

- The Digital Transformation ERA
- Understanding Equipment Health and Performance
- Digital Transformation Technology Components (People, Process, and Technology)
- A Refinery of the Future Pilot case study

Preston Johson
Business Development Leader, **Cutsforth**

13:30

Improving Safety, Efficiency, and Sustainability with Digital Twins in Oil & Gas

- Understand the key benefits of implementing digital twin technology in oil and gas operations
- Learn how digital twins can address specific safety, efficiency, and sustainability challenges
- Discover real-world examples of successful digital twin implementations in the oil and gas industry
- Gain insights into the future of digital twin technology and its potential impact on the oil and gas sector

Keshav Sundaresh
Senior Director of Digital Transformation, **Altair**

14:00

Title will be published soon

- Point 1
- Point 2
- Point 3
- Point 4

Andrea Craig
Principal, Client Solutions, **BairesDev LLC**

NETWORKING BREAK14:30 [30 Min]

15:00

Harnessing Data for Smarter Operational Excellence: Driving Safety, Reliability, and Profitability.

- Leveraging Advanced Data for Operational Optimization
- Enhancing Safety, Security, and Reliability Through Data
- The Digital Workforce: Empowering the Next Generation of Terminal Operators
- Breaking Down Data Silos: From Fragmented Information to Operational Insights

Salman Khan
Managing Director **Digineox Consulting**

15:30

How digital twins help companies scenario plan in times of uncertainty

Title will be published soon

- Point 1
- Point 1
- Point 1

Jason Hehman
Vertical Lead for Industry 4.0, **United States**

16:00

The Digital Twin. It's not just for breakfast anymore.

- If a plant's lifecycle were a day, breakfast would be construction. A poor breakfast leads to bad choices at lunch and dinner.
- Transformations are painful and expensive, but don't require luxury; they can start with existing tools in any company's kitchen.
- Getting the digital twin right from the start can prevent costly transformations and accelerate performance to first-quartile levels.

James Haw
Vice President of Automation and Digital Strategy, **Operations Technology Specialists, LLC**

END OF DAY 2

SPEAKING OPPORTUNITIES

Want to become a speaker?

Get in touch with us for more information on Speaking opportunities!



Production Team

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misbah.shaikh@ptnevents.com

Noah Scott
noah.scott@ptnevents.com

PTN Events Team
info@ptnevents.com



Speaking Session

30 minutes session includes 10 min Q&A's

Live sessions in-front of delegates

Certificate of Appreciation

20 min for talk + 10 min for Q&A's

USD \$1299



Panel Discussion

1 hour session for 5 speakers

Live panel discussion in-front of delegates

Certificate of Appreciation

Discussion between panelists only

USD \$1699

Please note that Speaker package is available only after the topic approval by the Production team.



DELEGATE REGISTRATION

Want to book delegate ticket?

Below are the various options for delegate participation.



Super Early Bird
SOLD OUT

USD \$799



Early Bird
Window closing on Mar 05, 2025

USD \$899



Regular Pass
Window closing on May 14, 2025

USD \$999

Ticket includes



- Watch any talk live during the conference days
- Certificate of participation
- Q&A discussions
- Full access to all conference stages and the exhibitions
- Online access to selected post-conference materials
- Networking opportunities on the Exhibition Floor
- Access to all networking activities
- End of Day 1 networking drinks reception

GROUP DISCOUNTS

10%
GROUP OF 2

15%
GROUP OF 3

20%
GROUP OF 5

Get in touch with us on info@ptnevents.com to avail group discounts on your purchases.

Want to become a sponsor or exhibitor?

Get in touch with us for more information on Sponsorship opportunities!



Sponsorship & Media Team

Chris Lee
chris.lee@ptnevents.com

Sarah Jones
sarah.jones@ptnevents.com

Benefits include

- Acquire valuable sales leads and customer feedback
- Deliver presentation in front hundreds of decision makers
- Network with leaders, grow your business at this event
- Share your company's expertise with a targeted group of experts
- Showcase advanced technologies, valuable services & unique expertise
- Personally interact with potential and current customers
- Fastest & most cost-effective platform to meet buyers
- Identifying new potential customers, suppliers and partners

Comparison of packages with speaking options

	TITLE PACKAGE	PLATINUM PACKAGE	GOLD PACKAGE	EXHIBITOR PACKAGE	SESSION PACKAGE
BRANDING & PROMOTIONS	USD \$22999	USD \$9599 <small>USD \$12599</small>	USD \$7099 <small>USD \$10599</small>	USD \$3799 <small>USD \$5099</small>	USD \$3799 <small>USD \$5099</small>
Logo placement and Sponsorship/Exhibitor title on the Event website	✓	✓	✓	✓	✓
Scanned business card copies of all the participants	✓	✓	✓	✓	-
Your Logo on Delegate Packs	✓	✓	✓	-	-
Email Blast - Sponsorship Announcement (Email to 100k+ active subscribers)	✓	-	-	-	-
One Advertisement section (placement) on the conference brochure - Full Page	✓	✓	-	-	-
One Advertisement section (placement) on the conference website - Home page	✓	-	-	-	-
Banner at the registration desk (printed & installed by the organizer)	✓	✓	-	-	-
CONFERENCE ACCESS					
Full access to all conference activities	✓	✓	✓	✓	✓
Hosted Luncheon and Drinks Reception	✓	✓	✓	✓	✓
Premium Delegate Passes and Client Passes	8	5	4	3	1
30 Minutes Premium Speaking Slot (Includes 10mins of Q&A's)	✓	✓	✓	-	✓
Speaker Pass and/or Co-Speaker Pass(es)	1 + 2 Pass	1 + 1 Pass	1 Pass	-	1 + 1 Pass
Exhibit Space (Includes draped table approx. 6ft, 4 chairs)	10ft x 20ft	10ft x 20ft	10ft x 10ft	08ft x 08ft	-
Literature Distribution in Delegate packs (materials supplied by you)	✓	✓	✓	✓	-
Video interview with the company's representative	✓	✓	✓	-	-
VIP Pre-Set Meetings with Clients	5	2	-	-	-
Lanyard Sponsorship	✓	-	-	-	-
Banner on conference floor (3x2m)	✓	-	-	-	-
POST CONFERENCE MATERIAL					
Video interview session with the committee members	✓	✓	✓	✓	✓
Speaking Appreciation Certificate	✓	✓	✓	-	✓
Download Copy of all participants list, scanned business cards	✓	✓	✓	-	-



“ Many thanks to you the incredible team for organizing the event. Watching for 2 days was very insightful and your team efforts to organize everyone from around created the success. ”

EXHIBITION FLOOR PLAN

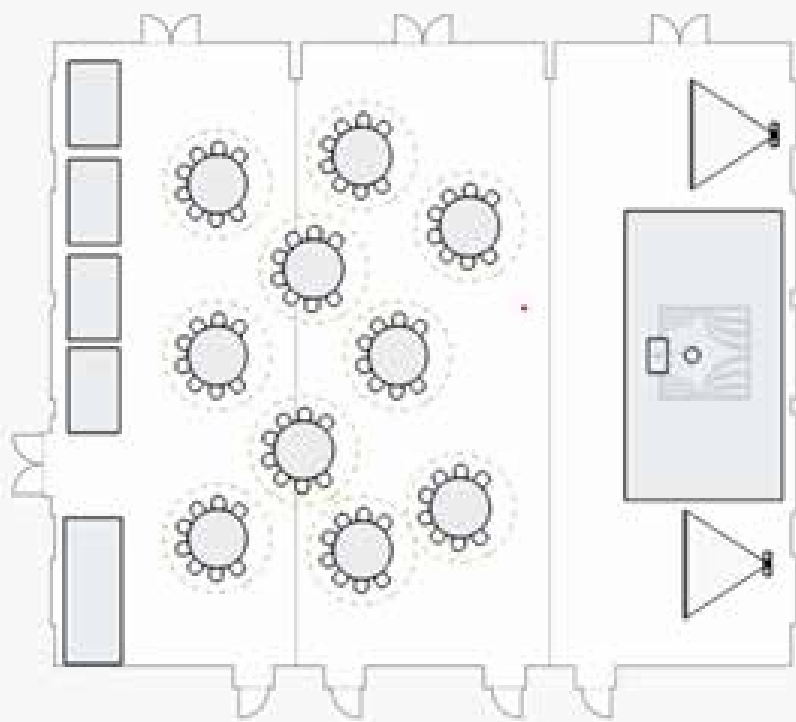


Exhibit Booths

- #1,2,3- 10ft x 10ft Booth
- #10,11,12,13,14,15- 8ft x 8ft Booth
- #16,17,18,19 - 6ft x 6ft Booth
- #4,5,6,7,8 - 4ft x 6ft Booth

Each Booth to have

- (2) Banquet Chairs
- (1) 6ft Table OR (1) Round High Top
- (Using Rooms Travis A, B & C)

ABOUT ORGANIZER

PTN Events, a premier organizer of cutting-edge B2B conferences that seamlessly blend business and knowledge. At the forefront of the industry, we curate exclusive gatherings that transcend borders, bringing together a dynamic mix of corporates, governments, associations, industry leaders, and high-net-worth individuals.

Our conferences serve as global forums where industry visionaries converge to explore and navigate the transformative landscape of cutting-edge technologies. As catalysts for innovation, we facilitate robust discussions and collaborations that transcend geographical boundaries.

At PTN Events, we pride ourselves on creating an immersive environment where knowledge flows freely, and connections flourish. Whether you're a corporation seeking strategic partnerships, a government entity exploring policy implications, or a thought leader on the brink of the next big idea, our conferences provide the platform to engage with the pulse of industry evolution.

UPCOMING EVENTS



Digital Transformation Conference and Exhibition 2025

DATA:
driven Oil & Gas

Data Driven Oil & Gas Conference and Exhibition 2025

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