



# Oil & Gas Digital Twin Conference & Exhibition 2025

May 14-15, 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

## SPONSORS & PARTNERS

### Platinum 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



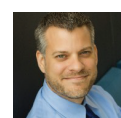
**Subrata Bhowmik**  
Principal Engineer - Innovation  
McDermott International, Ltd



**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.

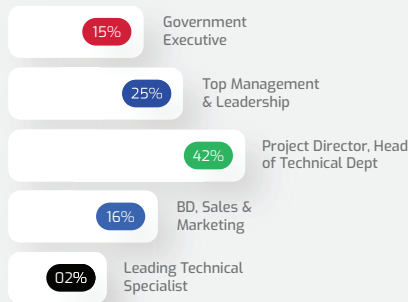


## COMPANY SIZE

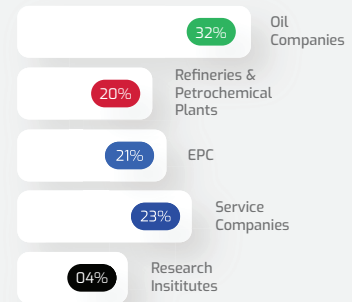
- ✓ 1-100 Employees - 26%
- ✓ 100-1,000 Employees - 22%
- ✓ 1,000-10,000 Employees - 22%
- ✓ 10,000+ Employees - 30%

<b>350+</b> Attendees	<b>24+</b> Technical Speakers	<b>18+</b> Sponsors & Exhibitors
<b>250+</b> Companies	<b>35+</b> Countries	<b>45+</b> Media Partners

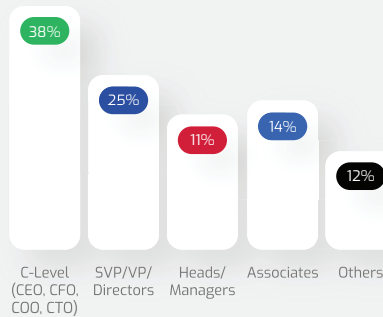
### ATTENDEE JOB PROFILES (%)



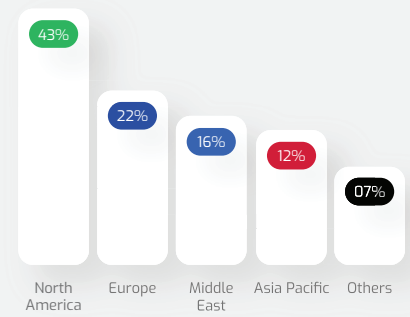
### ATTENDING COMPANIES (%)



### ATTENDEE SENIORITY LEVEL (%)



### INTERNATIONAL ATTENDANCE (%)



“ 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

## 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



### 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

## Wednesday, May 14, 2025

● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:15

### Registration & Refreshment Networking



09:00

### Available Session

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

### Booked for BMT

10:30

### Process Optimization using data

- Linking systems to pull and push data through a process, leveraging a single source of truth, automation, removal of manual handling, consistency and rapid improvement of throughput.
- Discussing our experience in this space for Australia's largest Gas Wholesaler – APA Group - as well as their return on investment, outlining their use case which is based on laying gas pipes and ensuring the As Laid engineering drawings are submitted to the regulatory body in hours rather than months.



**Cameron Wells**  
Managing Director, Data Sagacity



## NETWORKING BREAK

11:00 [30min]

11:30

### Digital Transformation in Process Safety Practices – Achieving Operational Excellence.

- Proactive Risk Management: Early detection of risks through digital analytics has allowed us to shift from reactive to proactive management, preventing incidents before they occur.
- Improved Asset Integrity: Real-time online monitoring and comprehensive dashboards have improved our management of asset integrity, reducing the likelihood of equipment failures.
- Enhanced Process Safety Culture: Digital platforms providing real-time data access have empowered teams to make informed decisions, strengthening our overall safety culture and compliance efforts.



**Arun Kumar**  
General Manager, HMEL



**Anshul Kumar Tiwari**  
Process Safety Management Lead, HMEL



12:00

### 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



12:30

### Risk Management and Community Engagement Model for High-Risk Zones

- Cox's Bazar faces escalating security challenges, including transnational crime, radicalism, and geopolitical tensions, posing threats to INGO and MNC operations.
- The risk management framework aligns with ISO 31000 standards, emphasizing hazard and threat segregation, risk scoring, and collaborative mitigation strategies.
- Platforms like BD Professionals have proven effective in fostering rapid information sharing and community support during crises.



**Tasdid Swad**  
Country Security Focal, Plan International



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



## LUNCH AND NETWORKING BREAK

13:30 [1 hour]

14:30

### AI in O&G (modernization and innovation)

- Why AI for O&G
- What AI use cases are there for O&G customers & what are the risks
- How do you go about building your AI roadmap



**Anshuman Tiwari**  
AVP Sales – Canada, Celebal



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, DETECTION



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

### 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 1

# Day 2

## Thursday, May 15, 2025

● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:15

### Registration & Refreshment Networking



09:00

### Simplified Pipeline Digital Twinovation

- Revolutionary Pipeline Management: Cenozon Inc.'s Digital Twinovation technology enhances pipeline integrity and operations management by creating a smart connectivity model, leveraging existing systems to maximize team capabilities.
- Streamlined Decision-Making: The technology links assets, processes, and maintenance data, providing instant access to critical information and enabling faster, informed decisions.
- Comprehensive Data Integration: Digital Twinovation catalogs operational data into a digital library, associating it with assets for easy future reference, helping prioritize tasks and set risk thresholds based on data-driven models.
- Operational Excellence: By simplifying complex systems, the solution reduces decision timelines from days to moments, empowering engineers to focus on critical tasks while ensuring pipeline safety and reliability.



**Mark Woynarowich**  
Director Of Operations, Cenozon Inc.



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

### Digital Transformation and Critical Minerals: Enabling a Resilient and Sustainable Energy Future

- Relevance: Combines cutting-edge digital technologies (Digital Twins) with the current focus on the energy transition.
- Strategic Insight: Positions you as a thought leader bridging Oil & Gas, critical minerals, and sustainability.
- Value for the Audience: Provides practical insights on digital adoption, real-world case studies, and solutions to industry challenges.



**Maria Peres**  
Innovation & Sustainability Strategy Partner, Deloitte



## NETWORKING BREAK

11:00 (30min)

11:30

### Designing Digital Twins: Avoiding no-ROI Twins by Working Backwards from the Real World

- Digital twins create change in the real world, but are often designed as software only bundles of capabilities.
- Multiple digital twin projects are "flaming out" 2-3 years after inception, due to lack of measurable improvements and low adoption.
- In order to avoid the no-ROI situation, digital twins require strong product thinking to create, measure and improve change in the real world.
- Digital twins create change in the real world, but are often designed as software only bundles of capabilities.
- Multiple digital twin projects are "flaming out" 2-3 years after inception, due to lack of measurable improvements and low adoption.
- In order to avoid the no-ROI situation, digital twins require strong product thinking to create, measure and improve change in the real world.



**Rob Foster**  
CEO, Geminum



12:00

### Maximizing Maintenance Savings with Digital Twins and AI

- Predict failures and reduce downtime by integrating AI models into digital twins for proactive maintenance.
- Optimize asset performance and lifecycle costs through data-driven, predictive insights.
- Enhance operational efficiency and safety with real-time monitoring and intelligent decision-making.



**Vincenzo Marchica**  
Chairman, Intelligent Automation Congress



12:30

### 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



13:00

### 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



## LUNCH AND NETWORKING BREAK

13:30 (1 hour)

14:30

### Transforming Process Safety with AI and Digital HAZOP

- In the demanding realm of process safety, plant managers continuously face the challenge of safeguarding operations while maximising efficiency.
- Traditionally, Hazard and Operability Studies (HAZOPs) have been a mainstay in identifying potential hazards within industrial processes.
- However, these studies frequently depend heavily on human judgement, making them time-consuming, costly, and susceptible to inconsistencies.
- Enter the digital revolution, where advanced technologies like Digital HAZOP and copilot systems are redefining process safety.



**Bjarne Andre Asheim**  
Managing Director, Kairos Technology AS



15:00

### Available Session

15:30

### Available Session

16:00

### Available Session

## END OF DAY 2

## SPEAKING OPPORTUNITIES

### Want to become a speaker?

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



#### Production Team

Misbah Shaikh  
[misbah.shaikh@ptnevents.com](mailto:misbah.shaikh@ptnevents.com)

Noah Scott  
[noah.scott@ptnevents.com](mailto:noah.scott@ptnevents.com)

PTN Events Team  
[info@ptnevents.com](mailto: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](mailto: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](mailto:chris.lee@ptnevents.com)

Sarah Jones  
[sarah.jones@ptnevents.com](mailto: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
<b>BRANDING &amp; PROMOTIONS</b>	<b>USD \$22999</b>	<b>USD \$9599</b> <small>USD \$12599</small>	<b>USD \$7099</b> <small>USD \$10599</small>	<b>USD \$3799</b> <small>USD \$5099</small>	<b>USD \$3799</b> <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)	✓	✓	-	-	-
<b>CONFERENCE ACCESS</b>					
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)	✓	-	-	-	-
<b>POST CONFERENCE MATERIAL</b>					
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. ”

