



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

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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



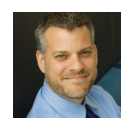
Subrata Bhowmik
Principal Engineer - Innovation
McDermott International, Ltd



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.

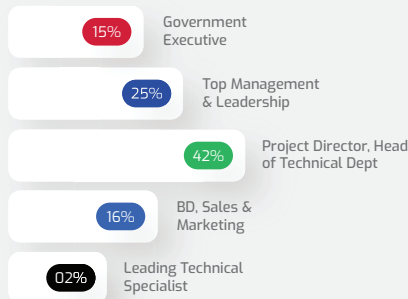


COMPANY SIZE

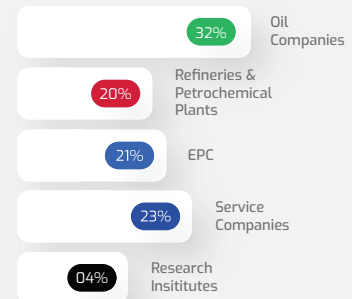
- ✓ 1-100 Employees - 26%
- ✓ 100-1,000 Employees - 22%
- ✓ 1,000-10,000 Employees - 22%
- ✓ 10,000+ Employees - 30%

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

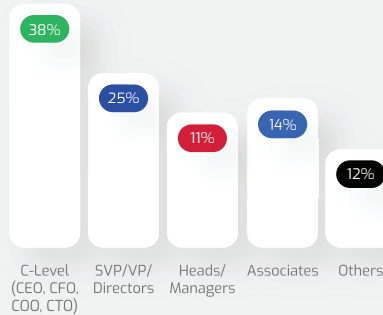
ATTENDEE JOB PROFILES (%)



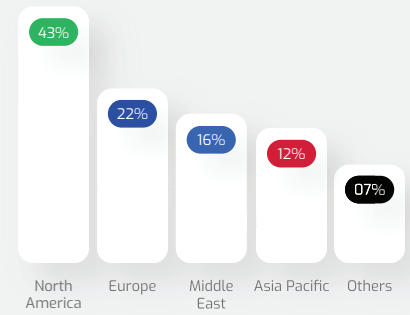
ATTENDING COMPANIES (%)



ATTENDEE SENIORITY LEVEL (%)



INTERNATIONAL ATTENDANCE (%)



“ 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

Harnessing Digital Transformation and Talent Development to Innovate the Oil & Gas Industry

- In this session, I will explore how oil and gas companies can leverage AI technologies to optimize their operations and workforce.
- By focusing on talent development and the integration of digital solutions, businesses can accelerate their digital transformation, drive innovation, and create sustainable growth.
- This talk will provide actionable strategies for leaders to build a digitally empowered workforce and navigate the complexities of the modern energy landscape.



Anushka Sonai
President, Creative Technology Hub Caribbean



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.
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- Multiple digital twin projects are "flaming out" 2-3 years after inception, due to lack of measurable improvements and low adoption.
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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

Book for 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

Transforming Construction Planning with XR for AWP Sequences

- Introduces collaborative XR technology, enabling users to visualize construction projects in 3D and discuss plans in a virtual environment.
- Highlights XR's benefits for intuitive design understanding across disciplines, promoting faster decision-making and project visualization before construction.
- Demonstrates smoother project execution and efficiency improvements through case studies of AWP in immersive XR environments.



Syful Anwa Mustafa
Project Excellence, **PETRONAS**



Ahmad Muizuddin Talib
Project Excellence, **PETRONAS**



15:30

Orchestrating Value And Adoption: Key To Successful Digital Engineering Transformation

- Overview of the O&G sector's digital transformation
- Challenges in achieving full value potential from digital transformations (given the Complexity, heterogeneity, and maturity of transformation initiatives)
- Our Approach: Integrated Value Office as custodian for all initiatives



Kamilah M A Jamil
Head Value Creation, **PETRONAS**



M Faizal M Farid
Senior Manager, **PETRONAS**



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

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Noah Scott
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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%
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Chris Lee
chris.lee@ptnevents.com

Sarah Jones
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- Fastest & most cost-effective platform to meet buyers
- Identifying new potential customers, suppliers and partners

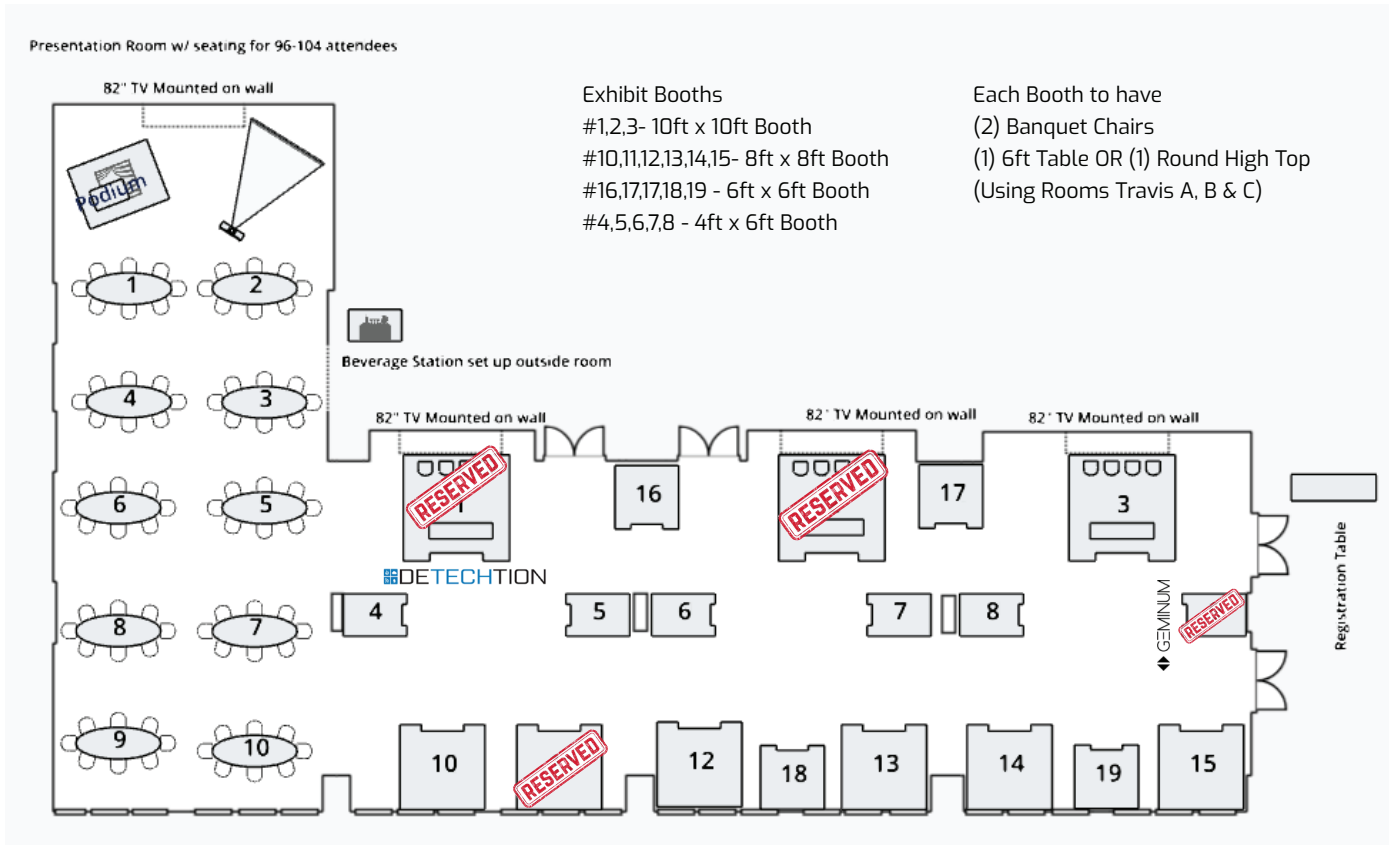
Comparison of packages with speaking options

	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



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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