



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



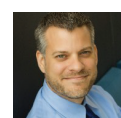
Subrata Bhowmik
Principal Engineer - Innovation
McDermott International, Ltd



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.

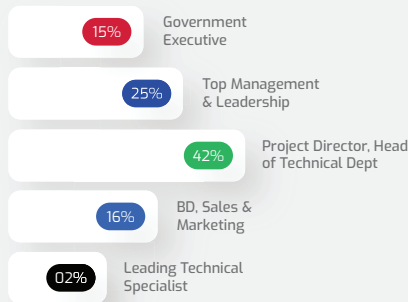


COMPANY SIZE

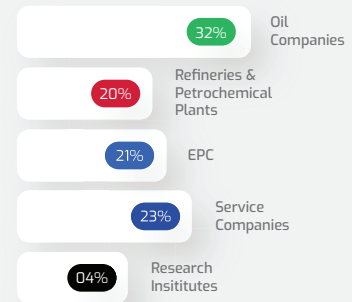
- ✓ 1-100 Employees - 26%
- ✓ 100-1,000 Employees - 22%
- ✓ 1,000-10,000 Employees - 22%
- ✓ 10,000+ Employees - 30%

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

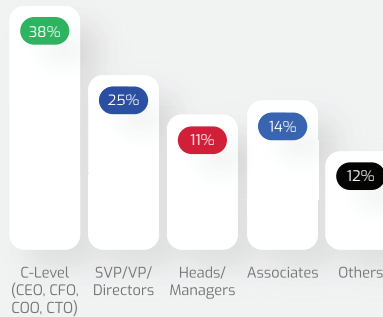
ATTENDEE JOB PROFILES (%)



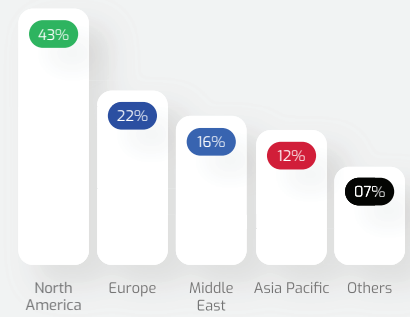
ATTENDING COMPANIES (%)



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

AI disrupts a \$900B oil and gas industry's pre-drill analytics.

- AI can change historical methods from qualitative comparisons of data types to highly accurate state-of-the-art AI powered quantitative comparisons in a much shorter time frame, 1 - 2 hours versus many man-months.
- PINN AI's average costs are a tiny fraction of historical methods. A great value proposition to all Oil and Gas Industry participants including technical teams (for which it's designed), owners/operators, A&D due diligence teams, prospectors, law firms, private equity & debt, commercial bankers, among others.
- Our Platform is designed for geologists and petroleum engineers as a vital tool to streamline their work flow, never to replace them.



Christopher Todd Garner
CEO, PINN AI



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

Available Session

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, 21Q Caribbean



LUNCH AND NETWORKING BREAK

13:30 (1 hour)

14:30

Available Session

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

Available Session

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

Digitalizing Asset Performance

- 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

Data to Digital Twin in Oil and Gas Industry

- Brief Overview of Organization
- Digital Execution in EPC
- Data is Oil



Vinayak Kharche
Head Of Information Systems and Automation, **Adani Petrochemicals**

NETWORKING BREAK

11:00 (30min)

11:30

Making a Business Case for Developing an E-Governance Solution for Process Safety Management (PSM) Compliance

- This presentation will describe the key issues faced by both the government regulatory bodies and process plant facilities, with the current non-digital (manual) method of PSM implementation, audit, and compliance. Recent modernisation initiatives of safety regulations undertaken by federal regulatory bodies such as OSHA and EPA in the United States are explained in the context of entation will also report the outcome of a study on detailed comparison between OSHA's 1992 regulatory impact analysis study and 2023 information collection requirement burden hour and cost estimate and will report the estimated the total economic burden of PSM compliance on the existing and future PSM covered facilities in the United States. The presentation will also unveil the idea of an e-governance solution that will potentially regulatory bodies and process plants in achieving a successful PSM implementation and comprehensive regulatory compliance in the United States of America



Dheeraj Kumar Narang
Technical lead, Digital Manufacturing Services, **University of Science & Technology, PA**

12:00

Available Session

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

Inspection and IMR Transformation using Generative AI

- Using AI to create an optimized Life of Field plan
- Enaimco Operational Twin - Use cases driving IMR and Life of Fi
- Enaimco Vision for the Future



John Cadigan
Director of Projects, **Enaimco**

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 Faidsal 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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Othman Syed
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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

Window closing on Dec 10, 2024

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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15%
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Chris Lee
chris.lee@ptnevents.com

Sarah Jones
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- Acquire valuable sales leads and customer feedback
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- Personally interact with potential and current customers
- Fastest & most cost-effective platform to meet buyers
- Identifying new potential customers, suppliers and partners

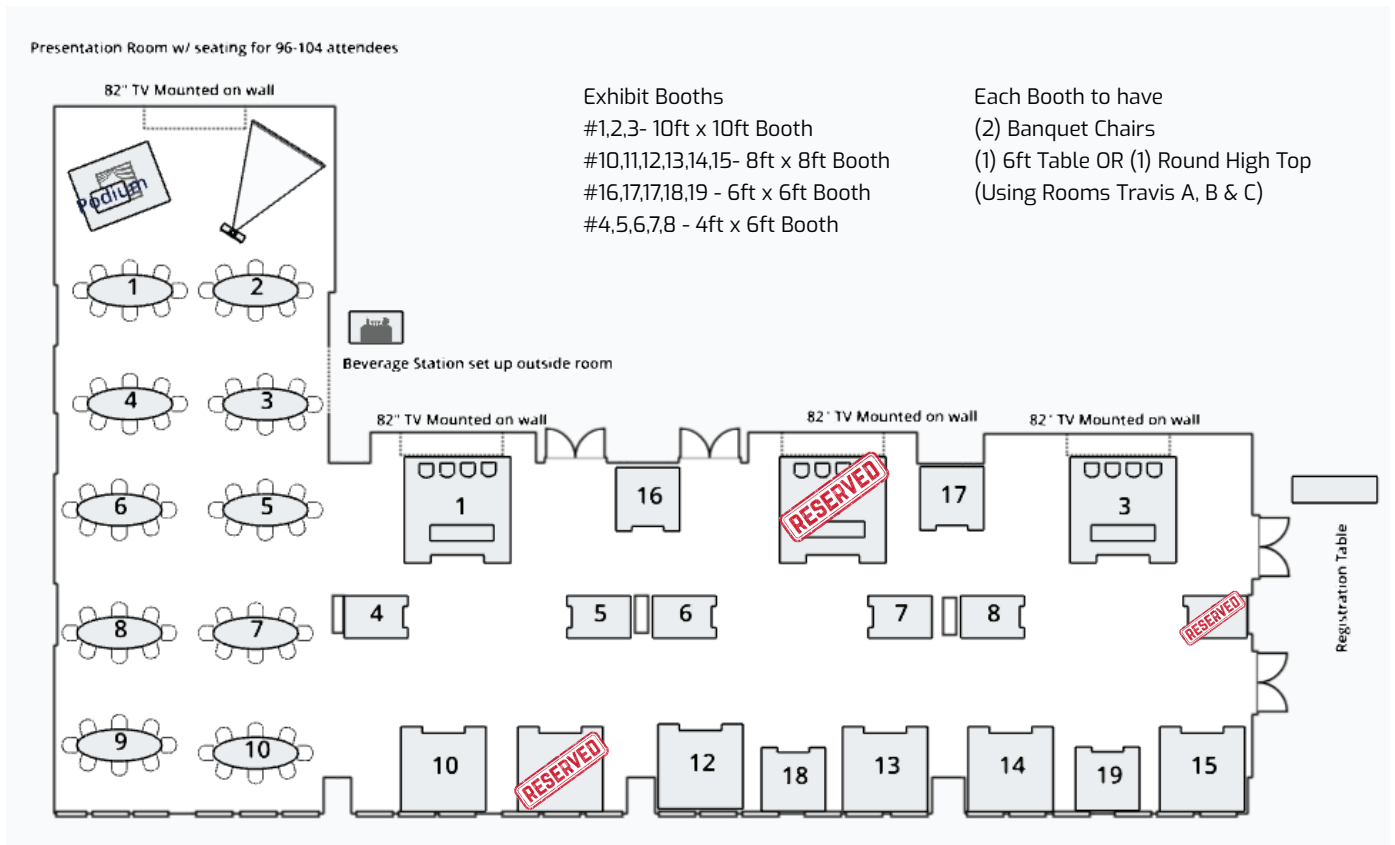
Comparison of packages with speaking options

	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



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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