



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 THE 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.

The conference agenda is meticulously curated to provide an in-depth exploration of critical industry challenges and cutting-edge innovations. With a commitment to fostering collaboration and networking opportunities, the event serves as a platform where industry leaders can exchange ideas, explore innovative techniques, and establish enduring connections. As the Oil & Gas sector charts its digital future, this conference serves as a guiding beacon, enabling professionals to make informed decisions and embrace technologies shaping the industry's trajectory

Conference Theme/Keytopics

- ★ Leveraging Digital Twin and Generative AI to gauge their impact on operational efficiency and productivity
- ★ 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
- ★ Improving business efficiency through digitalization in Asset Performance Management, emphasizing effective data handling and operational models
- ★ 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
- ★ Highlighting best practices and real-world examples in understanding the dynamics between operators and vendors, focusing on roles, data ownership, and collaborative pathways
- ★ Navigating opportunities and challenges in corporate adaptation and change management while redefining leadership models

Our Session Glimpse





AMONG OUR REGULAR ATTENDEES



CONFERENCE IN NUMBERS

350+
Attendees

250+
Companies

24+
Technical
Speakers

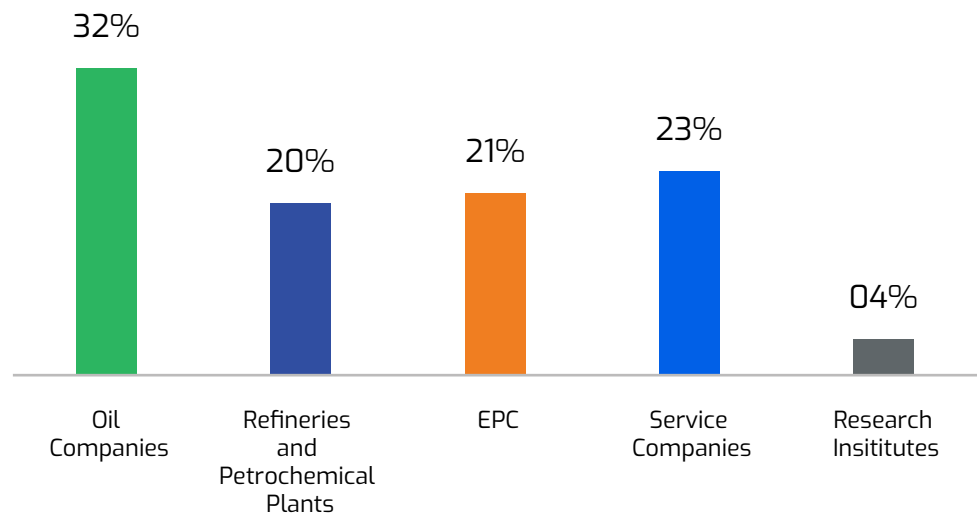
18+
Sponsors &
Exhibitors

35+
Countries

45+
Media Partners

Statistics of previous conference

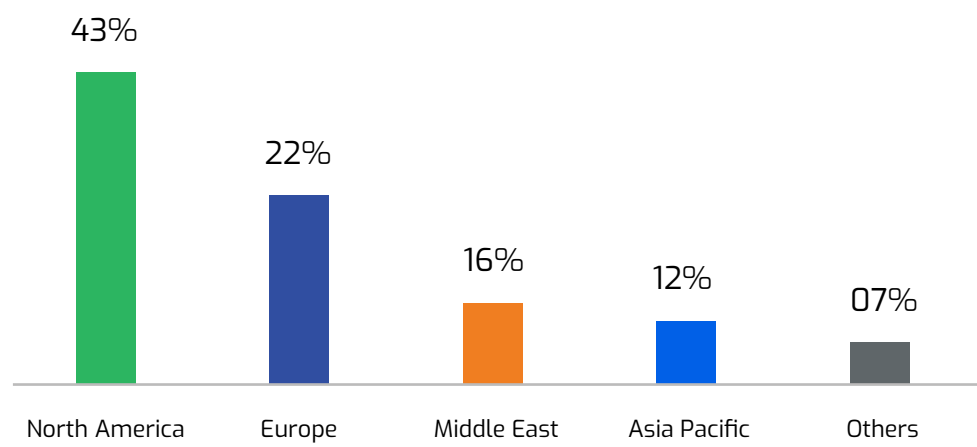
Attending Companies



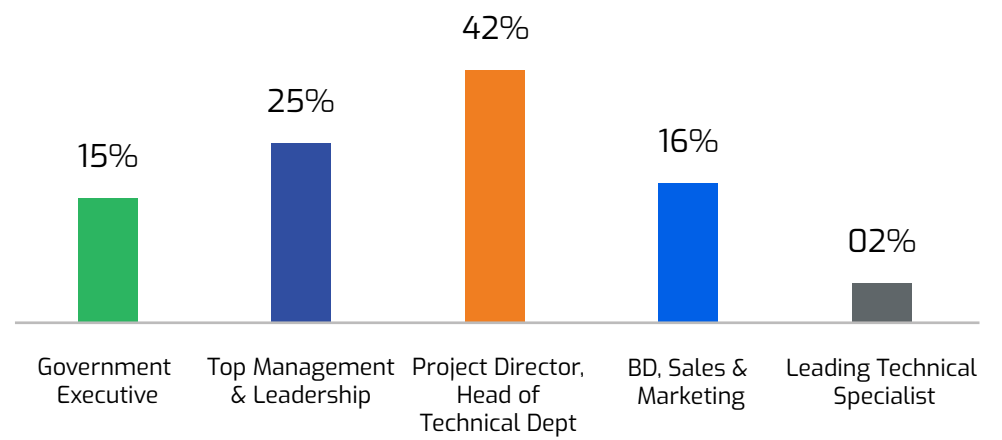
Company Size

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

Attendee Demographics (Location)



Attendee Job Profiles

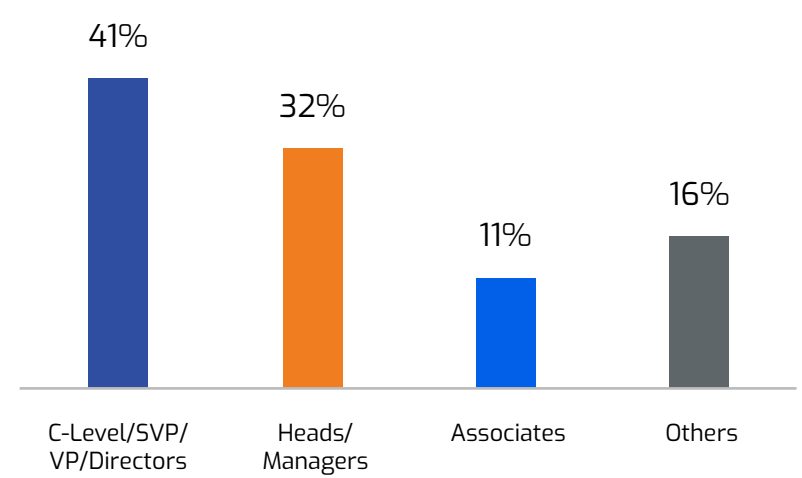


Attendee Seniority level breakdown

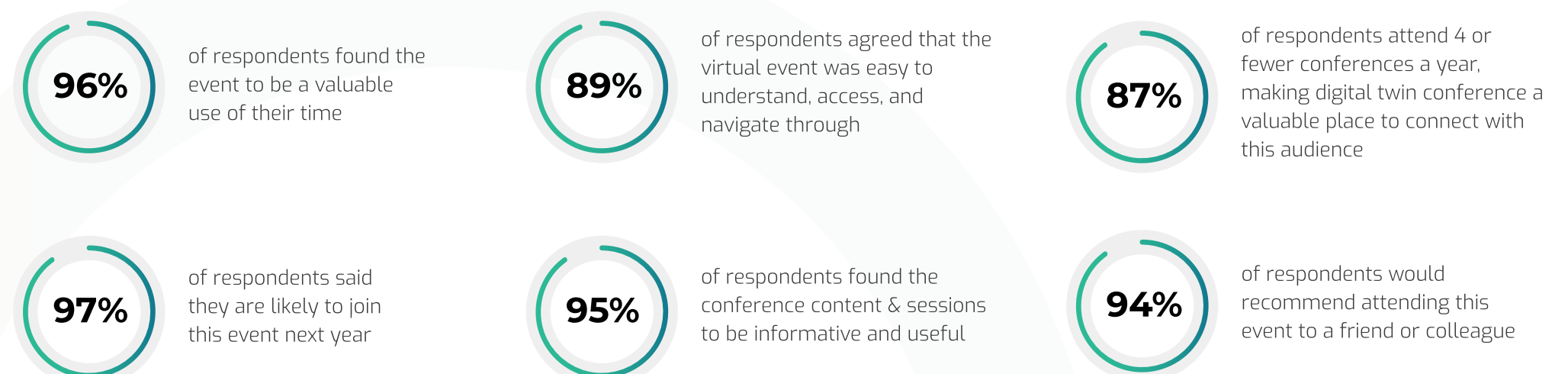
Attendee Job Functions

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

Attendee Seniority level



Attendee Survey Report



*Based on the attendee survey report from May, 2024

SPEAKING OPPORTUNITIES



SPEAKING SESSION

30 minutes session includes 10 min of Q&A's

- Live sessions in-front of delegates
- **20 minutes** for the presentation **+10 minutes** for Q&A's
- Certificate of Appreciation
- Session should be based on conference theme/key topics only

USD \$1299



PANEL DISCUSSION

1 hour session for 5 speakers

- Live panel discussion in-front of all 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.

Want to become a speaker?

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

Noah Scott

Conference Producer & Speaking Opportunities

misbah.shaikh@ptnevents.com



Day 1 | Wednesday, May 14, 2025

(Agenda as of 18 October, 2024 and subject to change)


● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:15
Registration & Refreshment Networking



09:00
The Complexities of Digital Cognition are not that Complex


- It's not so much the twin that you need, as much as it is the cognition...
- Digital Twins don't have to be complex; they just must be continually utilized
- Complex programs offered by developers only serve the developer – not the client
- In-house personnel are capable given the correct and widely available tools

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



09:30
Offering a comprehensive view on the effective implementation of digital twins in offshore platforms.

- Managing cultural changes and overcoming internal resistance in adopting digital twins
- The significance of understanding different psychological profiles, as per Rogers' adoption curve, to maximize the value derived from the technology.
- The critical role of digital transformation, along with cultural change and process implementation, for the effective use of digital twins.


 **Duperron Ribeiro**
CEO, **PhDsoft**



10:00
Available Session

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
Booked for HMEL



12:00
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**



12:30
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**




13:00
Available Session

Networking Break

13:30 (1 hour)

14:30
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**



15:00
Leveraging Digital Twins for Private Networks in Oil & Gas


- Revolutionizing in-building cellular design in oils and gas with digital twins to eliminate repetitive surveys and deliver superior network performance.
- How to cut costs, improve worker safety in hazardous environments, and future-proof your infrastructure with this cohesive network design approach.

 **Nazim Choudhury**
Director Market development, **ibwave**



15:30
Insertion of Artificial Neural Network Algorithms into Digital Twins for Process Monitoring


- Companies rely on various equipment to produce goods and services, but degradation over time can lead to failures. Maintaining equipment in good condition is crucial to ensure production performance and prevent additional costs, downtime, and environmental damage. Maintenance, aiming for availability, reliability, and safety, is essential. However, many maintenance models face challenges by considering only the health of components without information about system reliability. The increase in production data can be an advantage, and predicting failures through a neural network trained with operational data can be valuable support for

 **Silvio Cesar Godinho Teixeira**
Company man in Buzios, **Petrobras**



16:00
Advanced digital twin technology from the nuclear sector – Applicability in the oil&gas.

- The presentation explores HADRON lab's pioneering efforts at IFE, emphasizing AI, data, and robotics for safety in nuclear and other critical industries.
- Ongoing and upcoming European projects and working groups will be showcased, reflecting IFE's cutting-edge research.
- Advanced trends in digital twin and robotics innovation promoted by the DigiDECOM conference, hosted by IFE as an international center, will be highlighted.

 **István Szóke**
Research Manager of the Applied Physical Sciences department, **Institute for Energy Technology**



Networking Break

16:30 (30 mins)

17:00
Available Session

17:30
Available Session

End of Day 1

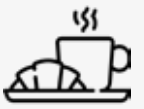
Day 2 | Thursday, May 15, 2025

(Agenda as of 18 October, 2024 and subject to change)

● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:15

Registration & Refreshment Networking



09:00

Generative AI : Experiences in business applications for Procurement & SupplyChain

- Gen AI Potential : Look beyond drafting emails and images. Gen AI can do much more for day to day tasks like Market intelligence, Contract Analytics and Autonomous Negotiations.
- Data confidentiality concerns : Are you comfortable sending your data & queries to cloud-based AI models ? Laptop based locally running AI models are a potential solution.
- Experiences from real experiments : I'll share one of the following usecases:
- Market intelligence : Comparison of outputs from 4-5 models (Cloud vs Laptop, Large model vs small model)
- Autonomous Negotiations : Negotiations between two BOTs.



Lovleen Chadha
Founder & CTO, **qapp.ai**



09:30

Available Session

10:00

Available Session

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 achieving the PSM compliance effectively and efficiently. The presentation 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 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 eliminate all the efficiency and effectiveness concerns faced by 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

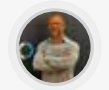
12:30

Available Session

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 Field optimization
- Enaimco Vision for the Future



John Cadigan
Director of Projects, **Enaimco**



Networking Break

13:30 (1 hour)

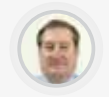
14:30

Available Session

15:00

Revolutionizing Industry: The Autonomous Process Plant and Digital Twin Integration

- Automates plant operations with Digital Twin technology linking process and control models
- Optimizes plant areas using basic regulatory (PID), advanced regulatory (Cascade, Ratio, Feedforward), or Advanced Process Control (APC)/Model Predictive Control (MPCD)
- Enhances data collection with smart sensors, ensuring proper maintenance of plant assets
- Integrates equipment and process data to navigate the best production path, revolutionizing process design



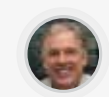
Brad Carlberg
Consulting Control Systems Engineering, **BSC Engineering**



15:30

Using AI / ML and Data Analytics to Optimize the STO (Shutdown, Turnaround , Outage) Work Process and Performance

- STO events have large business impact on an asset due to the cost of the event, the lost profit opportunity while the asset is offline, and the potential for safety and environmental impacts during the event.
- Many of industry's leaders have adopted a standard STO work process that contains key elements to deliver high degrees of STO readiness.
- Experience shows that the critical success factors for achieving desirable STO outcomes involves both the quality of the work process and the quality of its implementation.
- AI/ML techniques help us better understand large and highly complex data to help organizations make better decisions and optimize their work process to derive greater value and achieve better STO performance (quality of the work process)
- This presentation will provide real life examples of how we have used AI/ML to improve STO process and outcomes for oil and gas companies.



Brett Schroeder
CEO, **AP-Networks**



16:00

Digital twins in manufacturing operational excellence

- Differences in approaches to digital twins – planning, simulation, prediction, real-time/live
- Live digital twins in the manufacturing world
- Examples from existing projects and where is the money



Michal Ukropec
CEO, **Twinzo**



Networking Break

16:30 (30 mins)

17:00

Available Session

17:30

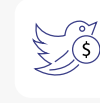
Available Session

End of Day 2



DELEGATE PASS INCLUDES FOLLOWING

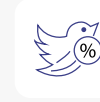
- Watch any talk live during the conference days
- Certificate of participation
- Q&A discussions
- Access to two-day event – including all conference stages and the exhibition
- Online access to selected post-conference materials
- Networking opportunities on the Exhibition Floor
- Access to all networking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



SUPER EARLY BIRD

Window closing on **Dec 10, 2024**

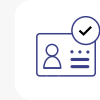
USD \$799
(Exclusive of service charge)



EARLY BIRD

Window closing on **March 5, 2025**

USD \$899
(Exclusive of service charge)



REGULAR PASS

Window closing on **May 14, 2025**

USD \$999
(Exclusive of service charge)

10% OFF
GROUP OF 2

15% OFF
GROUP OF 3

20% OFF
GROUP OF 5

Interested in Participating as a group?

Get in touch with the team for more information on group discounts

DELEGATE SUPPORT TEAM

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digital-twin-conference.com/delegate_packages

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Visitors Feedback On Exhibition



rated the exhibition in terms of value addition



would recommend event to others in their field



rated the exhibition good to excellent



rated technical content as good to excellent



| | 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 | ✓ | ✓ | ✓ | - | - |

EXHIBITION FLOOR PLAN

Presentation Room w/ seating for 96-104 attendees

Exhibit Booths

#1,2,3- 10ftx10ft Booth

#10,11,12,13,14,15 -8ftx8ft Booth

#16,17,18,19 -6ftx6ft Booth

#4,5,6,7,8 -4ftx6ft Booth

Each Booth to have

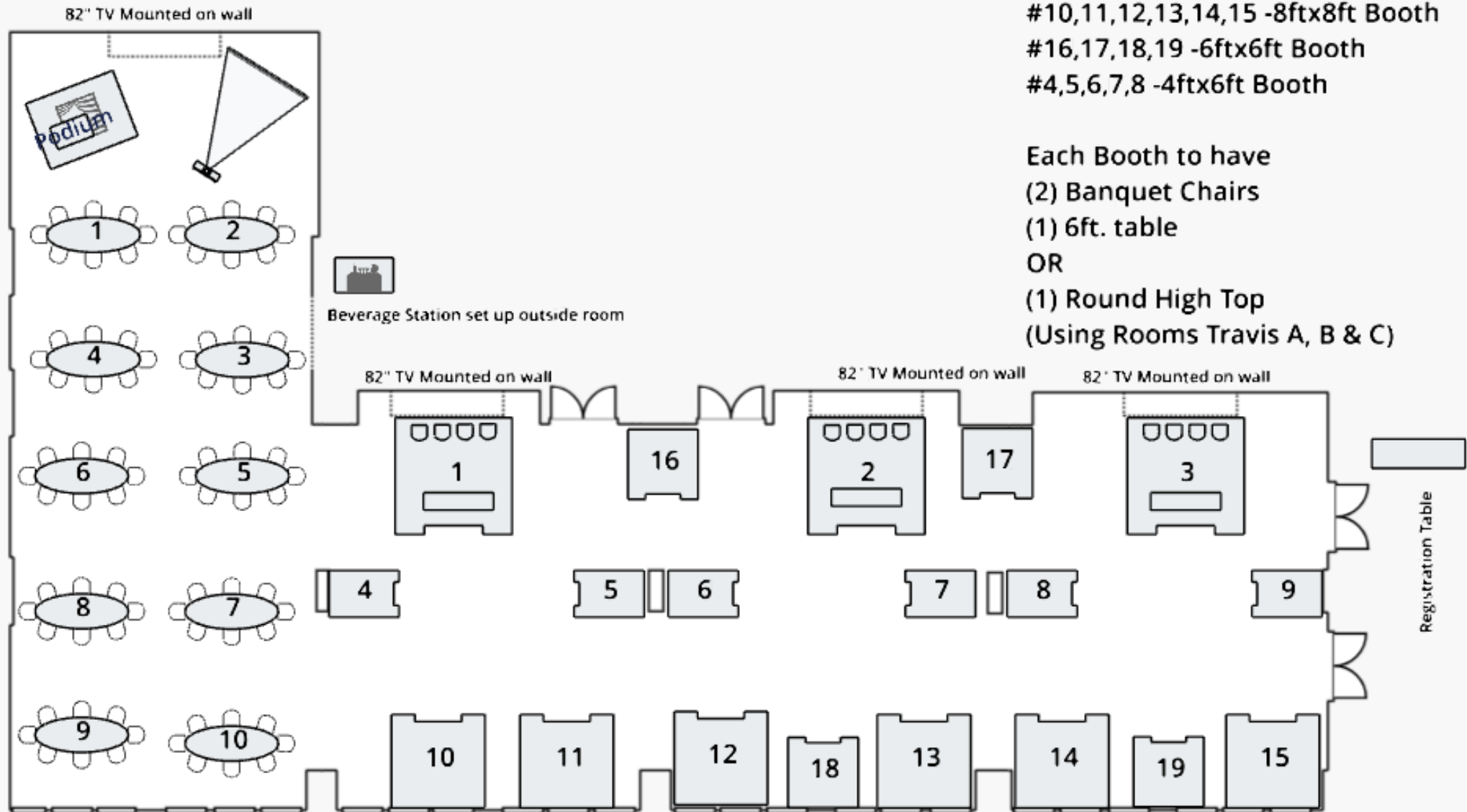
(2) Banquet Chairs

(1) 6ft. table

OR

(1) Round High Top

(Using Rooms Travis A, B & C)

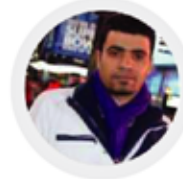


TESTIMONIALS AND EXPERIENCE



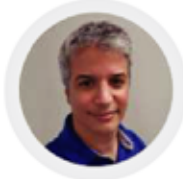
Thanks very much for this opportunity. I was impressed by the quality of your event. It was as well run and organized as I've ever attended.

Rafiq Khurshid | IT Specialist & Consultant



Thank you for giving us a chance to participate, it was a great experience and super organized platform.

Atheer Alatter | Lead Data Scientist



I am happy to join the great team of speakers and thanks for having me on this awesome event. Excellent teamwork. Hope be with you next time.

Vitor Do Valle | Head of Centre of Excellence



Thank you, team for the Certificate. As mentioned before, I truly appreciate the prompt communication, prep call and accommodating my change of date. I look forward to partnering with ptn events in future.

Arthi Vasudevan | Senior Product Manager



Thank you very much for your support during this event. I think that overall it went well.

Gerardo Muñoz | Product Marketing Manager



Thank you for Sharing. I should have mentioned this in my feedback; some of the best i have seen for any conference. Live or Virtual. Awesome Event!

Lennart Heip | Global Modal and Technology



We are excited to join this great event. Sign up to hear a speech from Michal Paulski on Cybersecurity during the Oil and Gas Automation & Digitalization Conference.

Michal Paulski | Senior Manager



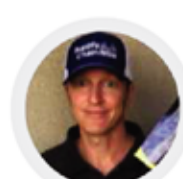
Many thanks to you the incredible team for organizing the event. Watching for 2 days was very insightful and your team efforts to organize everyone from around the created the success.

Johnathan Finlayson | Project Logistics Director



Thank very much for the opportunity. I was sincerely impressed by the quality of your event. It was as well run and organized a conference as I've ever attended. All of the sessions i was able to attend were excellent - really informative.

Tan Miller | Director, Global Supply Chain Management Program



Oh man, some of my favorite folks in freight are the container shipping right now.

Mike Bush | Terminal Relationship Manager



It was a valuable session and great learning from Global leader. It was amazing conference. Thanks a lot.

Pankaj Gupta | Global Sourcing



We managed to be in touch with good leads. User-friendly and very professional staff all along the sponsorship journey.

Carl Lauron | Founder



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. Join us in shaping the future!

Get in touch with us on enquiry info@ptnevents.com



Our Flagship Events



Oil & Gas **Automation and Digitalization Conference 2025**

Leveraging the technology innovation and Digital Revolutions. This Conference creates an Opportunities to boost Profitability and Strategies to Maximize Efficiencies in Oil and Gas Production.

www.ogad-conference.com



Oil & Gas **Digital Transformation Conference 2025**

Leveraging the technology innovation and Digital Revolutions. This Conference creates an Opportunities to boost Profitability and Strategies to Maximize Efficiencies in Oil and Gas Production.

www.digital-transformation-conference.com



Digital Oilfield Conference 2025

Leveraging the technology innovation and Digital Revolutions.

www.digital-oilfield-conference.com



Artificial Lift Summit 2025

The Artificial Lift Summit brings E&P Innovators, Service Providers and Independent Operators together to exchange ideas to advance technical knowledge in artificial lift applications for unconventional shale developments.

www.artificial-lift-summit.com



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