



# Oil & Gas Digital Twin Conference & Exhibition 2025

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

Discover latest solutions and emerging trends in the industries!



Our current & previous sponsors:



## ABOUT CONFERENCE

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

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

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

## CONFERENCE PROGRAM KEY TOPICS



### Upstream Digital Integration Analysis

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



### Best Practices and Case Studies

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



### Net Zero Future

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



### Digitalizing Asset Performance

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



### Opportunities and Challenges

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



### Digital Twin Impact

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

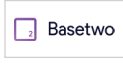
## SPONSORS & PARTNERS

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### Gold Sponsor



### Session Sponsor



### Bronze Sponsor



## FEATURED SPEAKER



**Andrea Mancini**  
Senior Engineering Manager, Europe & CIS  
**Honeywell**



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



**Giuseppe Trefiletti**  
Digital Transformation Manager  
**Saipem**



**Saad Kisra**  
Global Head of Process Simulation  
**Schlumberger**



**Rafiq Khurshid**  
IT Security Solutions Specialist  
**Saudi Aramco**



**Wassim Ghadban**  
Vice President, Global Innovation & Digital Engineering  
**Kent PLC**



**Stelios Panaretos**  
IT Retail Manager  
**Motor Oil Hellas**



**Vitor Do Valle**  
Head of Centre of Excellence in UX & Digital Technology  
**Petrobras**



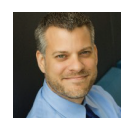
**Subrata Bhowmik**  
Principal Engineer - Innovation  
**McDermott International, Ltd**



**Iniesta Alberto**  
Director - Customer Solutions  
**Worley**



**Crispin Chatar**  
Drilling Optimization Champion  
**SLB**



**Tim Bartlett**  
Leading Engineer Technology Management  
**Equinor US**



**Vinayak Kharche**  
Head Of Information Systems & Automation  
**Adani Petrochemicals**

## CONFERENCE IN NUMBERS

### Overview on attendee demographics

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



## COMPANY SIZE

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

**350+**  
Attendees

**24+**  
Technical  
Speakers

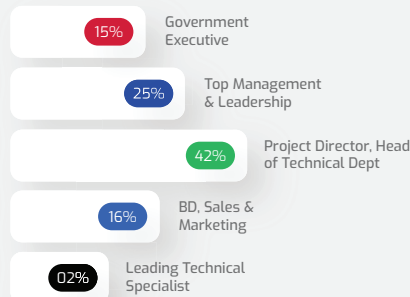
**18+**  
Sponsors &  
Exhibitors

**250+**  
Companies

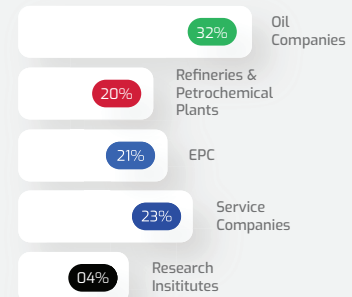
**35+**  
Countries

**45+**  
Media Partners

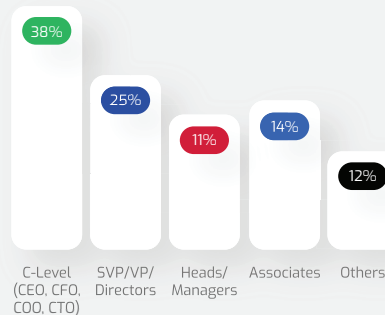
### ATTENDEE JOB PROFILES (%)



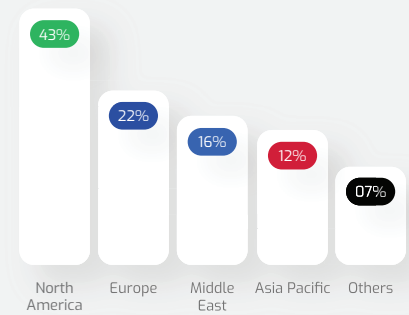
### ATTENDING COMPANIES (%)



### ATTENDEE SENIORITY LEVEL (%)



### INTERNATIONAL ATTENDANCE (%)



“ 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  
Monday, May 13, 2025

● Sponsored Sessions   ● Booked Sessions   ● Available Sessions

08:30

Registration & Refreshment Networking



09:00

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



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



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



09:30

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

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



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



10:00

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

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



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



10:30

Powering the Future of Energy Markets with Innovation

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



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



11:00

Data-driven Virtual Flow Meter

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



**Yongfeng Li**  
Manager Eng Analytics, **Oxy**



11:30

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

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



**Phani Shakkari**  
Principal Data Analyst, **bmtglobal**



LUNCH AND NETWORKING BREAK

12:00 [1 Hour]

13:00

AI-Driven Mobile Suite: Revolutionizing Oilfield Service Operations

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



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



13:30

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

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



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



14:00

Digital Transformation, from the edge to the Cloud

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



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



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



NETWORKING BREAK

14:30 [30 Min]

15:00

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

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



**Zachary Bennett**  
SME, **DETECHTION**



15:30

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

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



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



16:00

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  
Tuesday, May 14, 2025

● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:30

Registration & Refreshment Networking



09:00

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



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



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



09:30

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

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



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



10:00

Digitalization Drives Turnaround and Plant-Based Project Excellence

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



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



10:30

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

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



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



11:00

Rapid Technical Analysis Digital Twin Technology

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



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



11:30

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**



LUNCH AND NETWORKING BREAK

12:00 [1 Hour]

13:00

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

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



**Preston Johson**  
Business Development Leader, **Cutsforth**



13:30

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

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



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



14:00

Title will be published soon

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



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



NETWORKING BREAK

14:30 [30 Min]

15:00

Title will be announced soon

- Topic - 1
- Topic - 2
- Topic - 3



**Allen Mossinger**  
PetroBrast



15:30

Disrupting Procurement Supply Chain Management through Digital Twin

- Digital Twin Implementation: Aramco revolutionized supply chain management using AI, data, and user-centric design.
- Impact & Value: Achieved \$250M value, 75% cycle efficiency improvement, and breakthroughs in supply chain technology
- Transformation Journey: Success relied on technical innovation and organizational change through business involvement



**Saud Al-Temyatt**  
Head of Procurement and Supply Chain Systems, **Saudi Aramco**



16:00

Implementing Digital Twins in the Oil and Gas Industry: Challenges and Opportunities

- Introduction to the concept of Digital Twin: Explanation of what Digital Twins are and how they can be applied in the Oil and Gas industry
- Use cases and benefits: Practical examples of implementing Digital Twins in Oil and Gas operations, highlighting the benefits in terms of efficiency, safety, and cost reduction.
- Challenges and solutions: Discussion of the main challenges faced in implementing Digital Twins and the solutions adopted to overcome them.



**Edson Bouer**  
Managing Director, **Accenture**



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!



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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

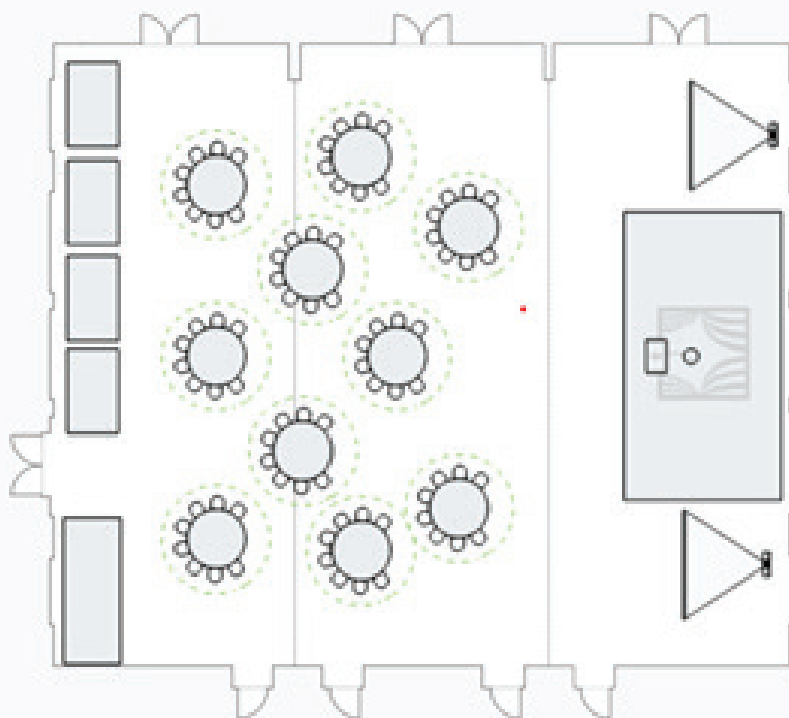
## Comparison of packages with speaking options

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



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

## EXHIBITION FLOOR PLAN



### Exhibit Booths

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

### Each Booth to have

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

## ABOUT ORGANIZER

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

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

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

## UPCOMING EVENTS



### Digital Transformation Conference and Exhibition 2025

DATA:  
driven Oil & Gas

### Data Driven Oil & Gas Conference and Exhibition 2025

### Production Team

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

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

### Sponsorship & Media Team

Chris Lee  
Sponsorship & Media Director  
[chris.lee@ptnevents.com](mailto:chris.lee@ptnevents.com)

Sarah Jones  
Assistant Sponsorship Director  
[sarah.jones@ptnevents.com](mailto:sarah.jones@ptnevents.com)

### Delegate Registration

Ryan Murphy  
Delegate Sales Manager  
[ryan.murphy@ptnevents.com](mailto:ryan.murphy@ptnevents.com)

Henry Stewart  
Delegate Sales Manager  
[henry.stewart@ptnevents.com](mailto:henry.stewart@ptnevents.com)

### General Inquiries

Support Team  
[info@ptnevents.com](mailto:info@ptnevents.com)

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