



# Oil & Gas Digital Twin Conference & Exhibition 2025

May 14-15, 2025 | Houston, TX, USA

Discover latest solutions and emerging trends in the industries!

Our current & previous sponsors:



## ABOUT CONFERENCE

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

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

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

## CONFERENCE PROGRAM KEY TOPICS



### Upstream Digital Integration Analysis

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



### Best Practices and Case Studies

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



### Net Zero Future

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



### Digitalizing Asset Performance

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



### Opportunities and Challenges

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



### Digital Twin Impact

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

## SPONSORS & PARTNERS

### Gold Sponsor



### Session Sponsor



## FEATURED SPEAKER



**Alberto Iniesta**  
Director, digital solutions

**Worley**



**Mr. Arun Kumar**  
General manager

**HMEL**



**Dr. Bernie Malouin**  
Chief executive officer

**JetCool**



**Brad Carlberg**  
Consulting control systems engineering  
**BSC Engineering**



**Brett Schroeder**  
CEO

**AP Networks**



**Carlos Tapia**  
Chief executive officer and owner

**Balam Energy**



**Dheerajkumar R Narang**  
Information systems engineering & management department  
**Harrisburg University**



**George Perrett**  
Operational excellence director

**Peri**



**Greg Fallon**  
CEO

**Geminus**



**James Haw**  
Vice President

**OTS**



**John Cadigan**  
Director of projects

**Enaimco**



**Michal Ukropec**  
Chief executive officer

**Twinz0**

# Day 1

## Wednesday, May 14, 2025

● Sponsored Sessions ● Booked Sessions ● Available Sessions

08:15

### Registration & Refreshment Networking



09:00

### Available Session

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

### TBA

- Title to be announced.



**Arun Kumar**  
General Manager, HMEL



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

### 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



## 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

### 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



16:00

### Available Session

## NETWORKING BREAK

16:30 (30 mins)

17:00

### 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



17:30

### 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 tiny shorter time frame, 1 - 2 hours versus many man-months.
- PINN AI's average costs are a much 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



## END OF DAY 1

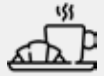
## Day 2

### Thursday, May 15, 2025

● 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 ?
- 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 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 egulatory 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 Fi
- 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 Cont
- 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 uring 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 betterSTO 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

#### Available Session

### NETWORKING BREAK

16:30 (30 mins)

17:00

#### Available Session

17:30

#### Available Session

### END OF DAY 2

## SPEAKING OPPORTUNITIES

### Want to become a speaker?

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



#### Production Team

Misbah Shaikh  
misbah.shaikh@ptnevents.com

Noah Scott  
noah.scott@ptnevents.com

Othman Syed  
othman.syed@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

Window closing on Nov 15, 2024

USD \$799



#### Early Bird

Window closing on Jan 25, 2025

USD \$899



#### Regular Pass

Window closing on April 18, 2025

USD \$999

#### Ticket includes

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

**GROUP DISCOUNTS**

**10%**  
GROUP OF 2

**15%**  
GROUP OF 3

**20%**  
GROUP OF 5

Get in touch with us on [info@ptnevents.com](mailto:info@ptnevents.com) to avail group discounts on your purchases.

# Want to become a sponsor or exhibitor?

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



## Sponsorship & Media Team

Chris Lee  
chris.lee@ptnevents.com

Sarah Jones  
sarah.jones@ptnevents.com

### Benefits include

- Acquire valuable sales leads and customer feedback
- Deliver presentation in front hundreds of decision makers
- Network with leaders, grow your business at this event
- Share your company's expertise with a targeted group of experts
- Showcase advanced technologies, valuable services & unique expertise
- Personally interact with potential and current customers
- Fastest & most cost-effective platform to meet buyers
- Identifying new potential customers, suppliers and partners

## Comparison of packages with speaking options

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



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

## 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

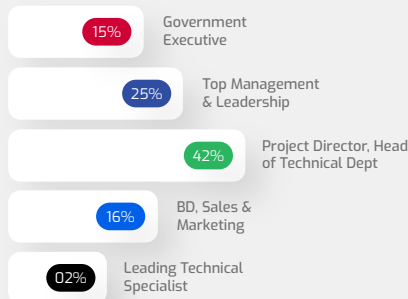
**18+**  
Sponsors & Exhibitors

**250+**  
Companies

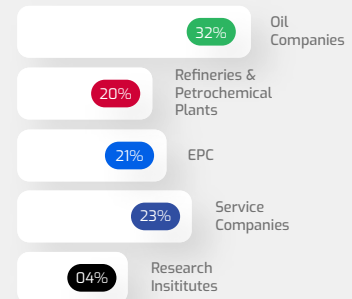
**35+**  
Countries

**45+**  
Media Partners

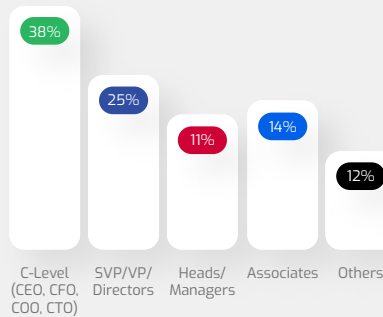
### ATTENDEE JOB PROFILES



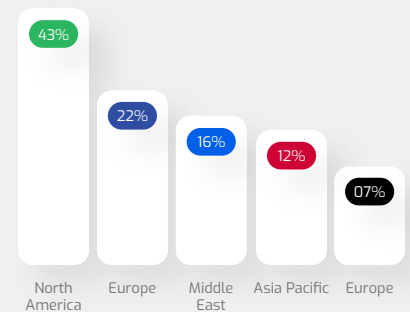
### ATTENDING COMPANIES



### ATTENDEE SENIORITY LEVEL



### INTERNATIONAL ATTENDANCE (%)



“ 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. ”



**Alfonso Ortiz**  
Supply Chain & Logistics  
Business Dev. Professional

### 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

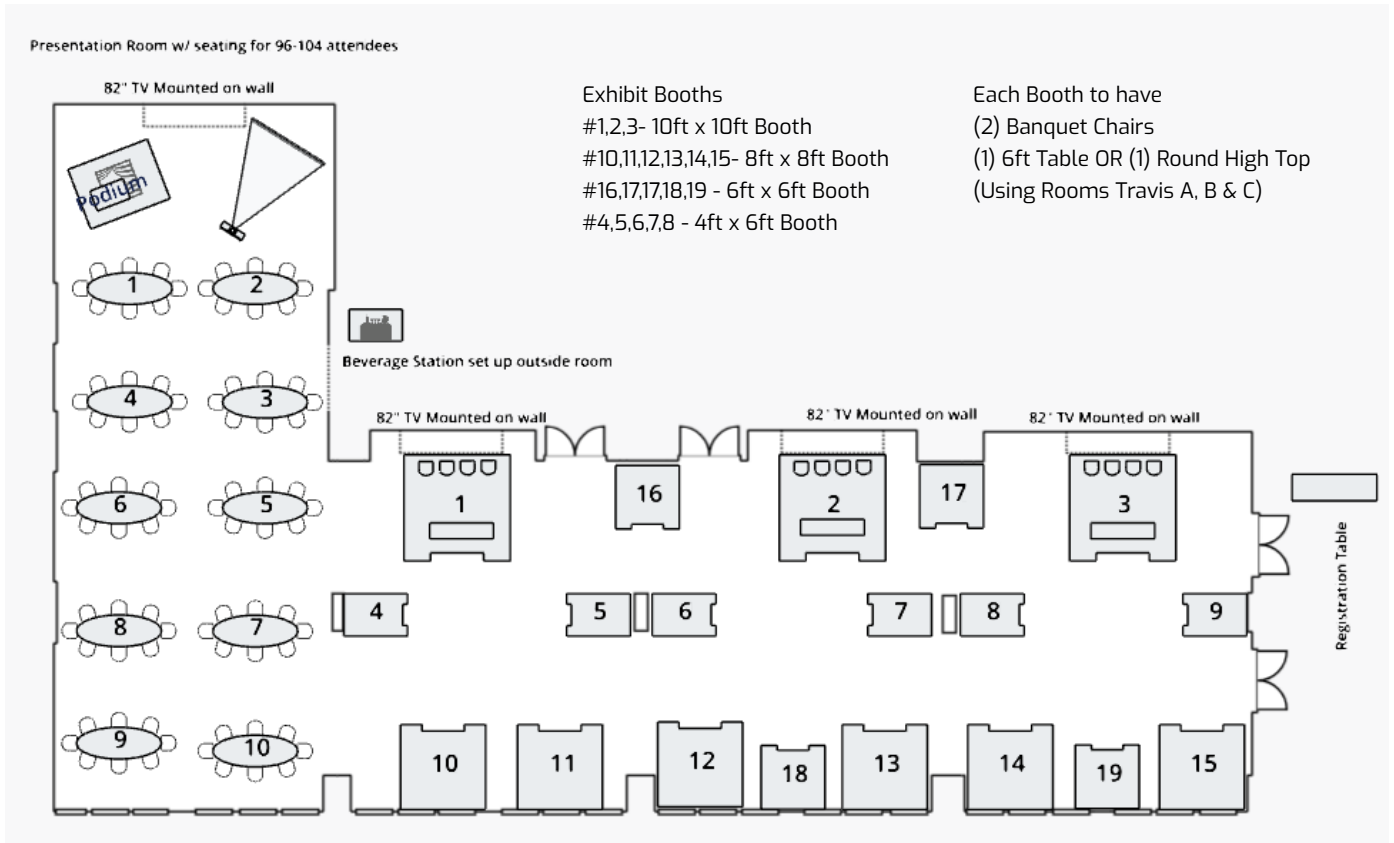
### AMONG REGULAR PARTICIPANTS



### 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!

## 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.

## FEATURED SPEAKER



**Oil & Gas Digital Twin**  
Conference and Exhibition 2025

DATA:  
driven Oil & Gas

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

### Production Team

Othman Syed  
Conference Producer  
[othman.syed@ptnevents.com](mailto:othman.syed@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)