



# O&G Digital Twin Conference & Exhibition 2024

May 02 - 03, 2024 | 100% Virtual

Discover latest solutions and emerging trends in the industries!

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# ABOUT THE CONFERENCE

**Oil and Gas Digital Twin Conference** creates an Opportunities to boost Profitability and Strategies to Maximize Efficiencies in Oil and Gas Production.

This conference brings together key players of the oil & gas industry, to probe and explore winning strategies and technologies, by means of digitalization in dealing with the current and future challenges of the upstream, midstream and downstream sector.

This event is a platform bringing the entire Oil and Gas Sector together along with IoT, AI/ML and digital solution providers to discuss the latest developments and best practices for digital transformation in the industry.

Digitalization including AI, IoT and Blockchain has made a huge impact on helping operating companies improve operational efficiency, eliminate unplanned downtime, improve safety, and reduce overall costs.

With an intense **2 days** agenda, the conference seeks to expand in-depth discussions, techniques and applied knowledge along with technological challenges of oil & gas digitalization. You will gain insights from the best in the industry and make lifelong friends.

Moving forward with the success of the inaugural conference, the Oil and Gas Automation and Digitalization will once again hold a promising meeting place for the industry, through its interactive sessions, highlighting the latest Digital Developments in the oil and gas.

## Conference **Agenda Keytopics**

- ★

Why is it time to **invest in digitalization** – AI/ML, IoT, Big data Analytics, Wearable technologies and Cyber-security?
- ★

Emerging Digitalization technologies into the oil and gas and its **impact and performance**
- ★

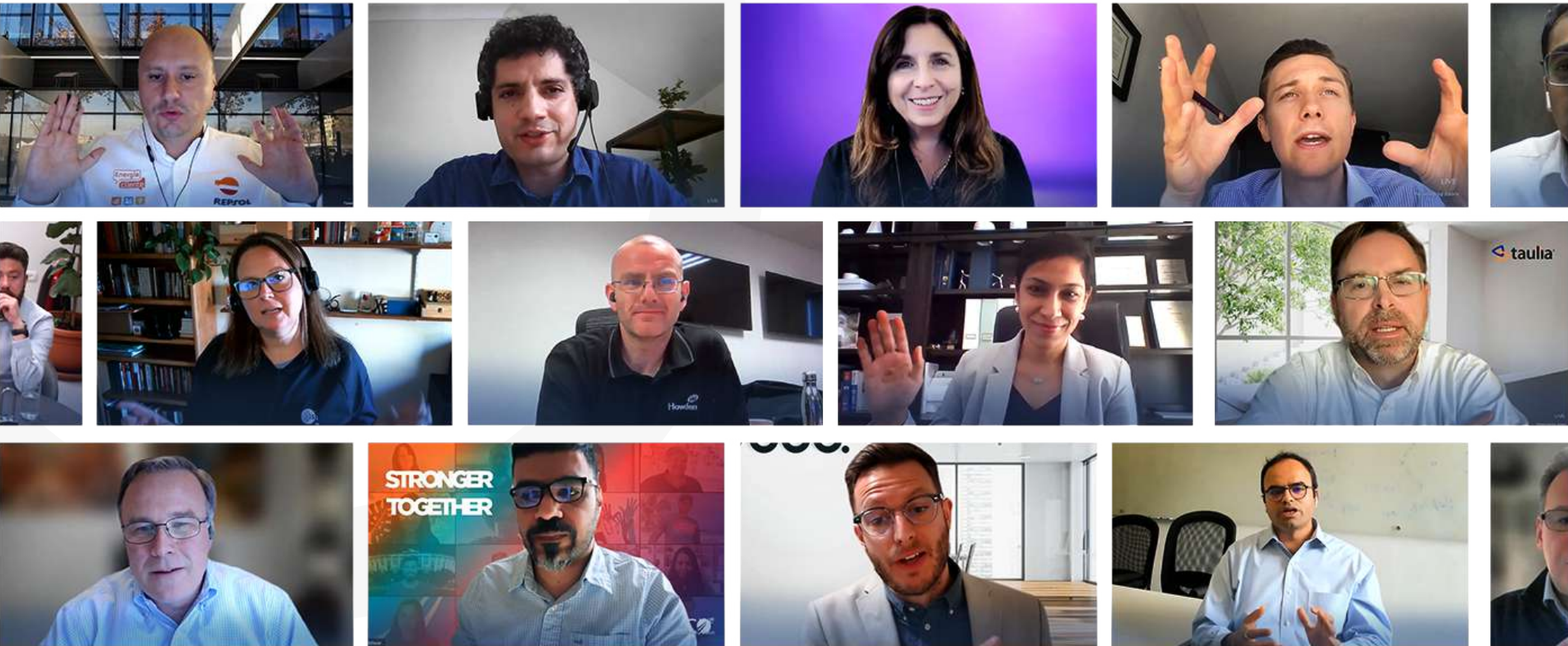
Best practices and **case studies of digitalization** to business objectives and technology alignment
- ★

**A strategic roadmap** for E&P's to assess every operation and identify digital leaps for achieving specific business objective
- ★

**Leveraging digitalization**, reduce unplanned downtime and **optimize maintenance processes** through real time application
- ★

**Opportunities and Challenges** in – Robotics, Pipeline transportation, Smart refineries

## Our Session **Glimps**







# AMONG OUR REGULAR ATTENDEES



CONFERENCE IN NUMBERS



1350+

Attendees

took part in Conference over the last 3 years



650+

Companies

from more than 65+ countries



24+

Technical Speakers

shared their insights on the latest technologies and explored digitalisation strategies

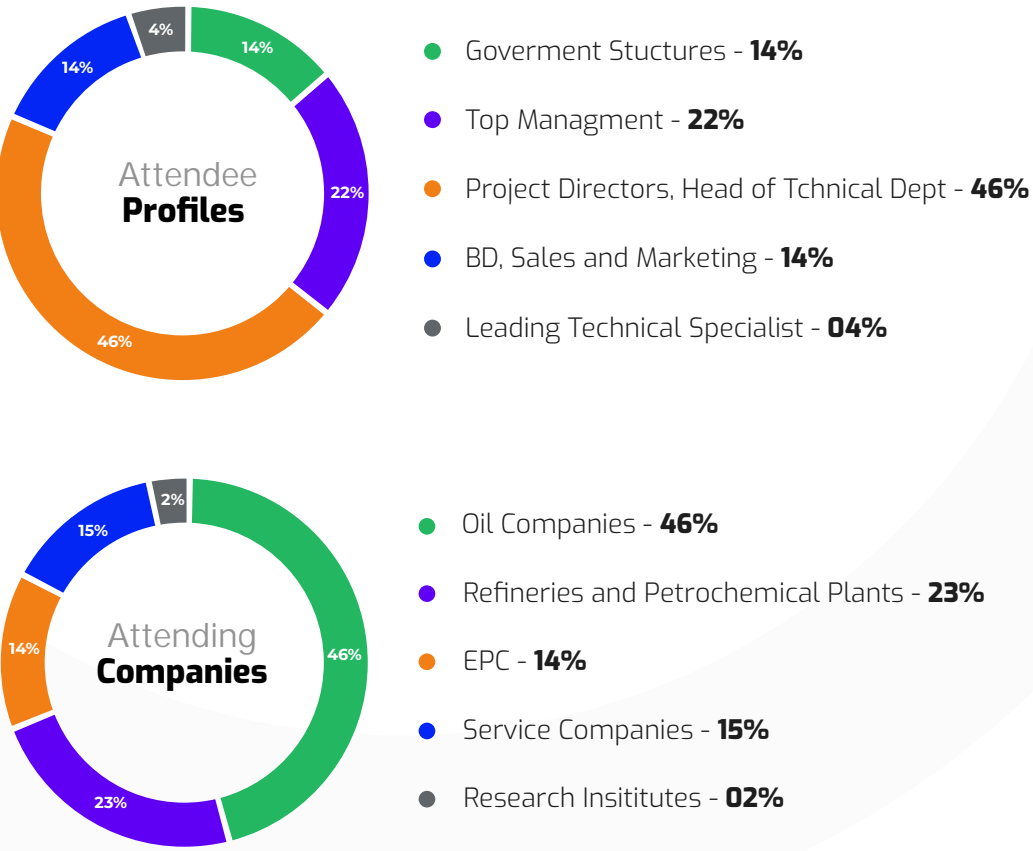


18+

Sponsors & Exhibitors

we attract some of the world's leading brands to exhibit with us

Our Conference Statistics



Government Stuctures - 14%

Top Managment - 22%

Project Directors, Head of Tchnical Dept - 46%

BD, Sales and Marketing - 14%

Leading Technical Specialist - 04%

Oil Companies - 46%

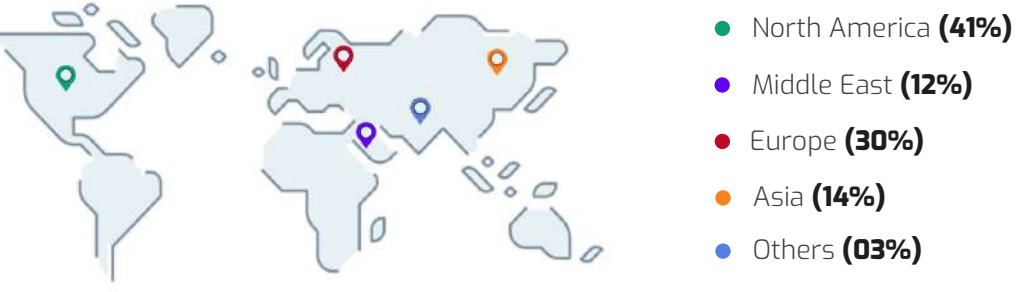
Refineries and Petrochemical Plants - 23%

EPC - 14%

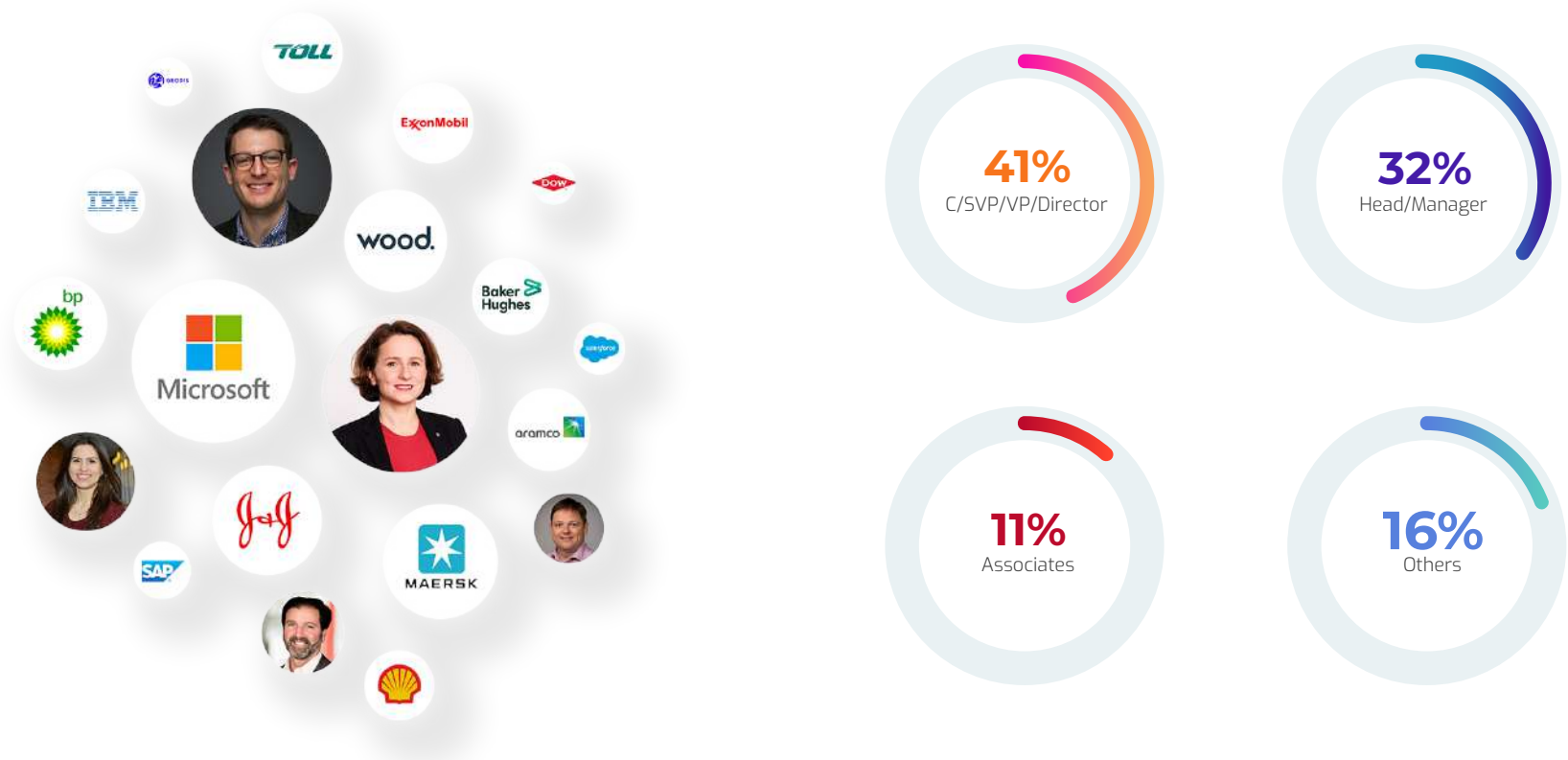
Service Companies - 15%

Research Insititutes - 02%

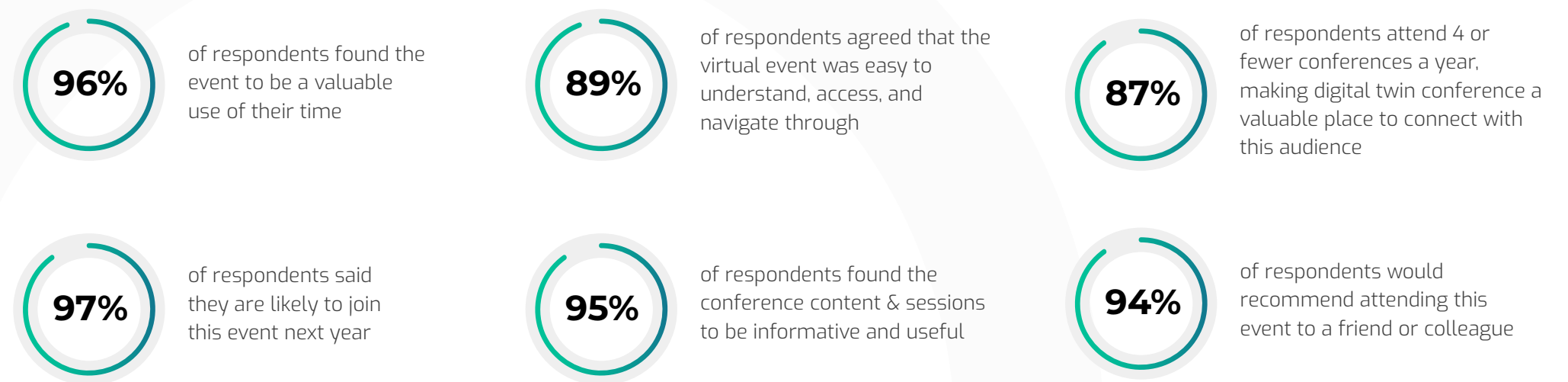
Attendee Demographics



Attendee Seniority level breakdown



Attendee Survey Report



\*Based on the attendee survey report from May, 2023

# SPEAKING OPPORTUNITIES

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## SPEAKING SESSION

30 mins session includes 10 mins of Q&A's

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



## PANEL DISCUSSION

1 hour session for 5 speakers

- Live panel discussion in-front of all delegates
- Certificate of Appreciations
- Discussion between panelists only

\* 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!

**Vatsal Patel**

Conference Director & Speaking Opportunities

Vatsal@ptnevents.com, +1 (201)-856-6505





Day 1 | Thursday, May 02, 2024

(Agenda as of 23 Nov. 2023 and subject to change)

Sponsored Sessions    Booked Sessions    Available Sessions

<div>08:30 AM</div> <div>Available Session</div>	<div>09:00 AM</div> <div>Available Session</div>
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09:30 AM | GOLD SPONSOR

Revolutionizing Operational Efficiency and Profit Margins in Oil & Gas Through Blockchain Solutions

- Blockchain's Role in Digital Transformation within the Oil & Gas Industry
- Operational Case Studies: Implementing Blockchain for Enhanced Supply Chain Transparency and Smart Contracts
- Strategic Planning: A Guide to Transitioning Smoothly to Blockchain-Based Solutions in Oil & Gas



Harold Heard


CEO, President and Chairman, A Real Blockchain Solution (ARBS)



10:00 AM

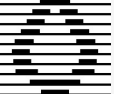
The Emerging Digital Energy Landscape: Integrated, Interconnected & Secured

- Increased digital intensity & maturity
- Citizen Digital Workforce
- mmersive, collaborative, holistic visualization



Mohammed AlGhazal

CEO, Noor Energies Group




Networking Break 10:30 AM [1 hour]

11:30 AM


Current state of the Mexican natural gas network

- Mexican Grid Expansion History
- Changing regulatory framework
- What is Next?
- Conclusions



Carlos Tapia


Chief Executive Officer and Owner, Balam Energy



12:00 PM | SESSION SPONSOR


Securing Digital Twins in Oil & Gas: A Cybersecurity Perspective

- The evolving threat landscape targeting digital twins in the oil & gas sector.
- Implementing AI and ML for proactive cybersecurity measures.
- Case studies: How robust cybersecurity can save millions in potential losses.



Kanishk Gaur


Founder, India Future Foundation



12:30 PM | SESSION SPONSOR


The Digital Twin. It's not just for breakfast anymore.

- If the lifecycle of a plant could be compressed into a single day, engineering, and constructing that plant would occur over breakfast. And as they say, breakfast is the most important meal of the day. To take this analogy a step further, what is eaten for breakfast can potentially affect how lunch and dinner goes. In other words, a terrible breakfast could lead to a terrible day - lunch and dinner are had through bad choices.
- This goes on, and eventually a transformation is needed. And like all digital transformations, they are painful and expensive. And this "breakfast" doesn't have to be at The Four Seasons. It can be prepared in the average company's own kitchen, using tools likely already owned and used.
- Getting the digital twin right in the beginning and using it the way it is meant to be used - a key component in today's Operations Technology - can prevent a costly digital transformation later. It has the capability to push the facility to first-quartile performance much faster than ever expected or envisioned.



Gregory N. Smallwood


Project Engineer, Operations Technology Specialists, LLC



13:00 PM


The challenges of Green Field vs Brownfield DT

- Asset Information Management
- Project Datasets Handover
- Management of Change



Alberto Iniesta Serrano

Director - Worley Customer Solutions, Worley




Networking Break 13:30 PM [30 mins]

14:00 PM | SESSION SPONSOR


In the oil and gas industry, digital twins can be used to improve efficiency in a variety of ways, including

- Predictive maintenance: Digital twins can be used to predict when and where equipment is likely to fail, allowing for preventive maintenance to be performed before problems occur. This can help to extend asset life, reduce downtime, and improve safety.
- Optimized operations: Digital twins can be used to simulate different operating scenarios, allowing operators to identify the most efficient and cost-effective way to operate their assets. This can help to improve production rates, reduce costs, and increase profitability.
- New product development: Digital twins can be used to test new products and technologies in a virtual environment, reducing the risk of failure and speeding up the development process. This can help to bring new products to market faster and improve their competitiveness.



Michael Fontaine

Vice President of Project Management, Falcon Project Consultants



14:30 PM


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



15:00 PM

Available Session

End of Day 1

Day 2 | Friday, May 03, 2024

(Agenda as of 23 Nov, 2023 and subject to change)

Sponsored Sessions   Booked Sessions   Available Sessions

08:30 AM | **SESSION SPONSOR**

Revolutionizing Oil & Gas with Advanced Digital Twins and Generative AI

- "Exploring the Evolution of Digital Twins: From Conceptualization to Advanced Industry 4.0 Integration" - Tracing the history and advancements in digital twin technologies and its pivotal role in the modern Oil & Gas industry."
- "Harnessing Real-time Data: Enhancing Predictive Maintenance, Safety, and Efficiency in Oil & Gas Operations"
  - "Applying Digital Twins and generative to Revolutionise the Oil & Gas Industry"
  - Delving into the merger of real-time data and digital twins, focusing on predictive analytics, risk mitigation, and increased operational efficiency.'
- "Future Roadmap: Leveraging Digital Twin and Industry 4.0 for Sustainable and Resilient Oil & Gas Production" - Discussing forward-looking strategies, highlighting the potential of digital twins combined with Industry 4.0 in paving the way for a more sustainable and resilient energy sector."



**Susant Mallick**  
Founder & CEO, **CloudHub**



09:00 AM

Have digitalization benefitted upstream oil and gas production

- Since 2012 upstream operators has been investing substantially in digitalization, but Solomons data on operational cost and production efficiency raise doubt on the benefits
- What is failing, scope, solutions, change or something else?
- Are upstream business ready for the use of digitalization or are our business just to complex?



**Per Hjorth Gren**  
BU Performance Solution Manager, **Solomon Associates**

09:30 AM

The Human Side of Emerging Tech - AI, Predictive Analytics, Machine Learning

- In recent years, we have seen rapid advancements in fields such as artificial intelligence (AI), predictive analytics, and machine learning. While these technologies hold great promise for improving our lives and making organizations more efficient, we must not forget that they are ultimately designed and operated by humans.
- Pop culture represents what I like to call the "Terminator Effect" which associates automation and autonomous systems with a level of fear. From replacing the human workforce to a full-on global takeover. In reality, we should not fear these technologies, but rather strive to understand them better so that we can use them more effectively.
- "When used correctly, AI, predictive analytics, and machine learning can help us make better decisions, improve organizational efficiency, and even free up our time so that we can focus on more important tasks. However, we must remember that these technologies are only as good as the data that they are given and the humans who design and operate them.



**Kyler Cheatham**  
Global Marketing Director, **Third Stage Consulting Group**



10:00 AM

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 10:30 AM [1 hour]

11:30 AM

Innovations in Productivity Maximizing Digitalization Strategies.

- We (23 plants) did a study for AFPM on digitalization in action in global projects and results are reported in the presentation.
- Specifically highlighted is AI data management, digital engineering and planning in pre-feed applications and the digitalization surrounding construction in maintenance and capital projects.



**George Perrett**  
Operational Excellence Director, **Peri USA**



12:00 PM

Available Session

12:30 PM

Available Session

13:00 PM

Available Session

Networking Break 13:30 PM [30mins]

14:00 PM

Available Session

14:30 PM

Available Session

15:00 PM

Available Session



## DELEGATE PASS INCLUDES FOLLOWING

- Watch any talk live during the conference days
- Certificate of participation
- Q&A discussions
- Full access to all tracks and break out sessions
- Online platform to view presentations and virtual exhibition
- Online access to selected post-conference materials
- eBook of conference proceedings
- Visit virtual Exhibition during the breaks
- Networking opportunities on the Exhibition Floor
- Access to all networking activities



### SUPER EARLY BIRD

Window closing on **Dec 10, 2023**

USD **\$299**



### EARLY BIRD

Window closing on **Mar 05, 2024**

USD **\$399**



### REGULAR PASS

Window closing on **May 02, 2024**

USD **\$499**

**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

info@ptnevents.com, +1 (640)-800-2228

[www.digital-twin-conference.com/delegate\\_packages](http://www.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

# 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 & Counsultant



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



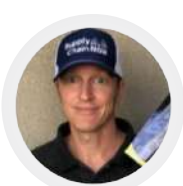
Many thanks to you the incredible team for organizing the event. Watching for 2 days was very insightful and your team efforts to organize everyone from around the created the success.

**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 sesssions 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 is a global **business events** and consulting firm that provides a wide range of business services **to a diversified client base**.

A leading organiser of commercial and knowledge based top-level conferences, managed by a group of specialists with more than a decade of combined expertise in successfully developing business events, trainings and consulting for corporates, governments, associations and high-net-worth individuals across the world.

We are known for our smooth event delivery. Our staff have been directing, producing, managing and digitising top-level conferences that connect businesses with opportunities through conferences, expos, demand generation and consulting services.

**Our mission** is to add value to our client's sales and marketing engagements and business development activities.

We are passionate about exceeding our customers' expectations, providing quality learning experiences, and being genuinely ahead of the curve when it comes to conference topics.

Get in touch with us on enquiry [info@ptnevents.com](mailto:info@ptnevents.com)



## Our Flagship Events



### Oil and Gas **Automation & Digitalization Conference 2024**

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](http://www.ogad-conference.com)



### Oil and Gas **Digital Transformation Conference 2024**

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](http://www.digital-transformation-conference.com)



### **Digital Oilfield Conference 2024**

Leveraging the technology innovation and Digital Revolutions

[www.digital-oilfield-conference.com](http://www.digital-oilfield-conference.com)



### **Artificial Lift Summit 2024**

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](http://www.artificial-lift-summit.com)



## CONTACT US

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To Find Out How To **Be A Part Of Our Community**,  
Contact Us On

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