



“30% Supper Early Bird” discount ends on April 26, 2021  
“20% Early Bird” discount ends on May 14, 2021  
“Register Now”

## VIRTUAL CONFERENCE

5th Edition of

# IT & OT IN OIL & GAS

Experience, Best Practices, Challenges and New Requirements

June 8-9, 2021

Organisers:



Lead Sponsor:



# IT AND OT IN OIL AND GAS

## Mission

- The oil and gas sector has taken rapid strides in deploying information technology (IT) and operational technology (OT) systems. New and innovative technologies and digital solutions are being deployed across all segments of the oil and gas value chain.
- In the exploration and production (E&P) segment, in particular, there is a significant focus on data management with advanced solutions tailored to each player's needs. Pipeline network management, too, is getting more digitalised. In the distribution segment, smart metering, online payments and real-time asset management solutions have witnessed increased deployment.
- The internet of things, big data and cloud are other major technology trends that are set to change the oil and gas sector landscape. The industry is also moving towards greater automation and digitalisation. Large volumes of data are being generated that need to be stored, processed and analysed.
- Another key area of interest for oil and gas companies is deploying solutions that enable real-time, remote control and predictive maintenance to extend the life or operating efficiency of assets. The use of smart metering and customer relationship management solutions is another trend that is seeing growing interest among distribution utilities. New digital tools such as blockchain, artificial intelligence and machine learning are being explored as the oil and gas industry looks to transition to the digital paradigm.
- That said, the growing deployment of IT and OT solutions has created several challenges and generated new needs. The majority of the technologies and applications deployed are operating in silos. The absence of data integration and functional interoperability continue to remain a major roadblock for IT implementation in the sector. Clearly, the convergence of OT and IT systems is an area that needs attention and holds immense potential for the oil and gas industry.
- **The mission of this virtual conference is to highlight the progress of oil and gas companies with regard to digital transformation, discuss the experience and challenges in technology adoption, and identify the new and emerging IT and OT requirements of the oil and gas industry. The conference will also showcase the best practices, and the most promising technologies and solutions.**

## Target Audience

The event is expected to draw participation from executives, managers and decision-makers from:

- ❖ Upstream oil and gas
- ❖ Flow meter manufacturers
- ❖ IT solution providers (SCADA, GIS, ERP, etc.)
- ❖ Leak detection solution providers
- ❖ Pumps, valves and compressors
- ❖ Solution providers for data analytics
- ❖ System integrators
- ❖ Technology providers
- ❖ Other equipment manufacturers
- ❖ Engineering and design firms
- ❖ Pipeline operators
- ❖ Oil refineries
- ❖ City gas distributors
- ❖ LNG and storage terminals
- ❖ Regulatory agencies, etc.

## Previous Participants

Some of the organisations that have attended our previous oil and gas conferences include: ABB India, Accenture, Adani Gas, Adani Ports, Agora, APC Consulting, Baker Hughes-GE, Bentley, Bharat Oman Refineries, Bharat Oman Refinery, Black & Veatch, BPCL, Cairn India, Central UP Gas, Cyient, Elcome Technologies, Engineers India, Eplan, Esri India Technologies, Fluentgrid, FMC Technologies, GAIL, GAILTEL, GE, GE Infrastructure Energy, GE Oil & Gas, Green Gas, GS E&C Delhi, Gujarat Gas, Gujarat Narmada Valley Fertilizers & Chemicals Limited, High Commission of Canada, Hitachi, Hitachi Hirel Power, Honeywell, iEnergy Innovation, Indraprastha Gas, Ingenx Technology, IOCL, KPIT Technologies, L&T Hydrocarbon, Lloyd's Register Asia, Magikminds Software, Mahanagar Gas, MAN Industries, MECON, Microsoft Corporation, Ministry Of Communication & IT, Natural Gas Society, Natural GAS Society, NTPC, Oil India, ONGC, Petronet LNG, Pipeline Infrastructure Limited, PPAC-Petroleum Planning & Analysis Cell, PricewaterhouseCoopers, Rajasthan State Gas, Reliance Gas Pipelines, Reliance Gas Transportation Infrastructure, Reliance Industries, Rockwell Automation, Rolta India, ROTODYNE Engineering Services, SAP, SAS Institute (India) PVT. Ltd., Schlumberger, Simon India, Sterlite Power, Tata Communications, Technip FMC, THINK Gas Distribution, Tieto, Trimble Solutions India, Tulsa Gas Technologies, UPES, Vedanta Limited, Cairn OIL & GAS, Visualr, etc.

## AGENDA/STRUCTURE

### KEY TRENDS AND OUTLOOK

- ❖ What have been the key IT/OT related trends in the oil and gas sector?
- ❖ What are the most promising and relevant technologies? What are the new developments and advancements in this space?
- ❖ What are the key issues and concerns? What is the outlook?

### INDUSTRY PERSPECTIVE: EXPERIENCE, CHALLENGES AND FUTURE ROADMAP

- ❖ What are the emerging IT and OT needs and requirements of oil and gas companies?
- ❖ What are the key technologies and solutions deployed and the implementation experience?
- ❖ What are the key challenges in selecting or implementing these technologies?
- ❖ What are the expectations from industry vendors?

### DIGITALISATION OF HYDROCARBON MANAGEMENT

- ❖ What are the digitalisation needs and requirements of E&P companies?
- ❖ What are the key technologies and solutions deployed and the implementation experience?
- ❖ What are the specific issues and concerns, and mitigation strategies?
- ❖ What are the key advancements and innovations in the segment?

### ASSET MANAGEMENT AND REMOTE MONITORING

- ❖ What are the new and emerging asset management requirements?
- ❖ What are some of the advanced technologies and solutions in this regard?
- ❖ What has been the experience so far? What are the key issues & challenges?

### SMART METERING PRACTICES

- ❖ What are the current metering solutions used by oil and gas companies?
- ❖ What has been the experience so far in the adoption of these solutions?
- ❖ What are the key issues and challenges?
- ❖ What is the future outlook for deployment?

### NEW AND EMERGING TECHNOLOGIES - CLOUD, AI, ML, ANALYTICS, IOT

- ❖ What are the use cases of new technologies for oil and gas companies?
- ❖ What are the potential benefits? How can these address Covid-related challenges?
- ❖ What are the strategies required for the convergence of new technologies with legacy IT/OT systems?

### PROMISE OF BLOCKCHAIN

- ❖ What is the potential of blockchain technologies for oil and gas companies?
- ❖ What has been the global experience?
- ❖ What are the requirements for implementing blockchain? What are the key issues?

### DATA MANAGEMENT AND CYBERSECURITY

- ❖ What are the new and emerging requirements for data management in the oil and gas sector?
- ❖ What are the key technologies and solutions available and their deployment?
- ❖ What are the cybersecurity threats and risks for oil and gas companies? What are the best practices?

### RETAIL OUTLET AUTOMATION SYSTEM/E-FUEL STATIONS

- ❖ What are the key technologies and solutions available for retail outlet automation?
- ❖ How has been the uptake of such solutions so far?
- ❖ What are the new advancements and innovations in this segment?

### CONVERGENCE OF IT-OT SOLUTIONS

- ❖ What are the drivers for IT-OT convergence in the oil and gas industry?
- ❖ What are the new initiatives being taken to support this integration?
- ❖ What are the key issues and challenges? What are the future requirements?

### PIPELINE SAFETY MANAGEMENT SYSTEM

- ❖ What are the key requirements for ensuring pipeline integrity and safety?
- ❖ What are the various technologies and solutions available in this space? What has been the experience so far?
- ❖ What are the specific issues and challenges?

### ROLE OF GIS

- ❖ What are the key applications of GIS in the O&G sector?
- ❖ What are the technology and other requirements?
- ❖ What has been the experience so far? What are the key issues and challenges?

### FOCUS ON CUSTOMER RELATIONSHIP MANAGEMENT

- ❖ What are some of the customer relationship management initiatives taken by gas utilities?
- ❖ What are the best practices and enabling technologies?
- ❖ What are the key issues and challenges?

### NEXT STEPS FOR ERP

- ❖ What are the emerging ERP requirements of the oil and gas industry?
- ❖ What are the new trends and advancements? What has been the experience so far?
- ❖ What are the key issues? What are the lessons learnt?

5th Edition of

# IT AND OT IN OIL AND GAS

Experience, Best Practices, Challenges and New Requirements

June 8-9, 2021

## Registration Fee

|                | INR    | GST@18% | Total INR | Total USD |
|----------------|--------|---------|-----------|-----------|
| 1 Login        | 9,000  | 1,620   | 10,620    | 163       |
| 2 - 3 Logins   | 15,000 | 2,700   | 17,100    | 263       |
| 4 - 5 Logins   | 21,000 | 3,780   | 24,780    | 381       |
| 6 - 9 Logins   | 27,000 | 4,860   | 31,860    | 450       |
| 10 - 20 Logins | 33,000 | 5,940   | 38,940    | 550       |

- There is a 30 per cent “supper early bird” discount for those registering before April 26, 2021.
- There is a 25 per cent “early bird” discount for those registering before May 14, 2021.

### Please send wire transfer payments to:

Beneficiary India Infrastructure Publishing Private Limited  
Bank Name The Hongkong and Shanghai Banking Corporation Ltd  
Bank Address R-47, Greater Kailash-1, New Delhi-110048, India

Bank Account No. 094179587002  
Swift Code HSBCINBB  
IFSC Code HSBC0110006  
GSTIN 07AAACI5880R1ZV

Sponsorship  
opportunities are  
available

### Payment Policy:

- Full payment must be received prior to the conference.
- Payments for “early bird” registrations should come in before the last date of discount. Discount offers cannot be combined with any other offer.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

## Organisers

The conference is being organised by **India Infrastructure Publishing**, the leading provider of information on the infrastructure sectors. The company publishes the **Indian Infrastructure** magazine. It organises over **50 conferences annually**, focused on the infrastructure sectors including conferences on **Gas in India, City Gas Distribution, Gas Based Power Generation** and **IT and OT in Oil and Gas**. It also publishes a series of reports on the energy sector including **City Gas Distribution Market in India** and **Small Scale LNG Market**. It also publishes **Oil & Gas News** (a weekly newsletter) and the **Oil & Gas Directory and Yearbook**.

Contact: Khushboo Khanna, Conference Cell, India Infrastructure Publishing Pvt. Ltd.  
B-17, Qutab Institutional Area, New Delhi 110016.  
Tel: +91-7982733496 | Email: khushboo.khanna@indiainfrastructure.com