

REFINING & PETROCHEMICALS CONFERENCE 2025

Thursday, 6th March 2025

Bombay Exhibition Centre, Goregaon (East), Mumbai

Tentative Program

8:00 AM ONWARDS

REGISTRATION & TEA / COFFEE

INAUGURAL SESSION 9:30 am 10:45 am	
Welcome Address	Chemtech
Chairman's Address	Mr Sarthak Behuria, Chairperson, Reliance BP Mobility Ltd
Keynote Address	Mr Arvind Kumar, Director Refineries, IndianOil*
Keynote Address	Mr Amit Garg, Director Marketing, HPCL *
Keynote Address	Mr Prasad Panicker, Executive Chairman, Nayara Energy
Concluding Remarks & Vote of Thanks	Mr PD Samudra, Independent Director, Deepak Nitrite Ltd. & Former MD & CEO, thyssen Krupp Uhde India
SESSION 1: Panel Discussion TRANSFORMING INDIA'S REFINING & PETROCHEMICALS SECTOR (INTEGRATION & R&D) 10:45 am – 12:30pm	
Session Chair	Ms Sukla Mistry, COO, Haldia Petrochemicals Ltd
Anchor Presentation	Dr Asit Das, Head R&D, Reliance Industries Ltd*
Panelist 1	BPCL
Panelist 2	Nayara Energy
Panelist 3	HMEL
Panelist 4	EIL
Q&A	
SESSION 2: CASE STUDIES (3 presentations @ 15 minutes each) DEVELOPMENTS IN REFINERY OPERATIONS INCLUDING AI 12:30 pm – 1:30 pm	
Session Chair	Mr Chacko Jose , ED – Bina Refinery, BPCL
In case of alternative topics , following are considered: Predictive Maintenance for Refinery Equipment; Optimizing Refinery Process Operations; Safety and Risk Management; Energy Management and Sustainability; Process Fault Detection and Root Cause Analysis; Enhancing Refinery Decision-Making with AI and Big Data Analytics; Emissions Monitoring and Compliance; Refinery Simulation and Digital Twins; Quality Control and Product Yield Optimization; AI and Machine Learning for Process Optimization & Reducing Carbon Footprint	
Demand Forecasting and Supply Chain Optimization	Aspentech
Predictive Analytics Based Maintenance using AI	Mr. Vikesh Patidar, DGM HPCL & Honeywell Automation *
Process Optimization & Reducing Carbon Footprint	Dr R Karthick, Senior Manager (Technical Services) MRPL*
AI-Powered Process Control and Automation	Yokogawa
Safety & Risk management	Mr Anit Mishra, Vice President, GarudaUAV*
Q&A	

LUNCH 1:30 pm – 2:30 pm

SESSION 3: CASE STUDIES (Presentations @ 12 minutes each)

TECHNOLOGY INTERVENTIONS FOR SUSTAINABILITY & TO ACHIEVE NET ZERO

2:30 PM – 3:30 PM

In case of alternative topics , following are considered: Advancements in Energy Recovery Systems; Catalyst Innovations for Enhanced Refining Efficiency and Lower Emissions; Electrification and Decarbonization of Refining Processes; Hydrogen as a Key Enabler for Decarbonizing Refining Operations; CCUS for Refineries ; Process Intensification to Maximize Efficiencies; Sustainable Feedstocks and Bio-based Processes in Refining; Advanced Separation Technologies;

Session Chair	TBA
Zero-Emission Technologies for Refineries	Mr. Avijeet Kundu, Project Engineer - Refinery & Petrochemicals, Bechtel*
Electrification and Decarbonization of Refining Processes	Mr Siddharth Saha, Managing Director, Axens India
Hydrogen as a Key Enabler	TBA
Technological Advancements in Machinery to Reduce Refinery Emissions	TBA
TBA	Mr Syed Abbas, Honeywell UOP*
SAF production pathways from Renewable Feedstock – Viable Technology solution for Indian scenario	Mr P. Balaramakrishna & Mr. M.S.S. Prasad, Larsen & Toubro Limited

Q&A

TEA / COFFEE : 3:30 PM – 3:45 PM

SESSION 4: Panel Discussion

SUSTAINABILITY IN PETROCHEMICALS: ACHIEVING CIRCULAR ECONOMY & REDUCING CARBON FOOTPRINT

3:45 pm – 4:45 pm

Session Chair	TBA
Panelist 1	SABIC*
Panelist 2	TBA
Panelist 3	TBA
Panelist 4	TBA

Q&A

SESSION 5: Presentations

EMERGING TRENDS IN PETROCHEMICALS & POLYMERS

4:45 pm – 5:45 pm

Session Chair	DOW Chemicals
Anchor Presentation – IOCL Overview	IOCL (R&D)*
ABS Plastics	BASF
PP/ LLDPE	RIL
PVC	Adani
Polystyrene	Supreme Industries
Polycarbonate	Deepak Nitrite

Q&A

*Invited

TBA – To be announced