

26th Energy Technology Meet: 09-11 October 2023, New Delhi
Theme: Emerging Energy Trends and Future of Refining

Day-1
Hall-A

Session	Title	Name	Organization
1200-1330	Plenary Session–1: Emerging Energy Trends and Future of Refining		
	Session Chair: Dr. Anil Kakodkar		
1.1	Future Of Refining	Partha Maitra	Reliance Industries Ltd. (RIL)
1.2	Decarbonising your Asset-A Stepwise Evaluation of Refiners response option	Gurminder	Shell
1.3	PtX Technologies - "Making net zero possible	Nikolaj Knudsen	Haldor Topsoe India Pvt. Ltd.
1.4	Is your refinery keeping pace in the new energy era, Insights into how the leading refineries are thriving in the post-pandemic landscape	Kevin Henke	Solomon Associates
1430: 1600	Plenary Session–2: Panel Discussion- Emerging Energy Trends and Future of Refining		
	Moderator: Ms. Vartika Shukla, CMD		Engineers India Ltd
	Mr Prabh Das, MD&CEO		HMEL
	Ms. Sukla Mistry, Dir-R		IOCL
	Mr S. Bharatan, Dir-R		HPCL
	Mr Prasad Panicker, Chairman & Head of Refinery		Nayara Energy Ltd.
	Mr Sanjay Khanna, Dir-R		BPCL
	Mr Richard Mathers, Sr Director Sustainable Technology Solutions		UOP Honeywell
	Mr Michael J. Tallman, Director, Olefins Technology		KBR Technology
	Mr Jean-Luc NOCCA, Executive Vice President Commercial		Axens
1630-1800	Plenary Session–3: Emerging Trends in Fuels		
	Session Chair: MoPNG		
3.1	Decarbonizing Industry with Advanced Fuels	Siddhartha Bandyopadhyay	Bechtel India Pvt Ltd
3.2	Clean H2 & CCUS- Trend for Future Refinery: Challenges & Advancement	Dr Steve Gravile	Linde
3.3	Hydrocracking Enhanced Bottom of the Barrel Upgrading in a Low Carbon World	Stephen Perry & Rajesh Karinki	Shell
3.4	A Self-Sustainable India through Sugarcane	Helion Sardina	Lummus Technology
3.5	Hydrogen in oil & gas sector- recent excitements	Sachin Chugh	IOCL

Day-2 Hall-A			
0900 - 1045	Technical session 4: Sustainable Aviation Fuel		
	Session Chair: Mr Bhaskar Phukan, MD		NRL
	Session Chair: Mr V S Agashe, ED -IMM		HPCL
4.1	Routes to renewable liquid fuels with a focus on CO2 to jet	Richard Mathers	UOP India Pvt Limited
4.2	Sustainable Aviation Fuel (SAF) - A Step Further Towards Sustainable Mobility and Future	Harshit Agarwal	Axens
4.3	SAF technology - ATJ	Mr. Yawar Abbas Naqvi	KBR Technology
4.4	Global aviation is here to stay, how do we enable the transition to SAF from biomass and CO2? and SAF thro "HydroFlexTM + H2BridgeTM"	Pete Cairns & Ms. Tine Hoej Andersen	Haldor Topsoe India Pvt. Ltd.
4.5	Decarbonizing Aviation Sector by converting inedible oil to Sustainable Aviation Fuel	Subimal Jana	Engineers India Ltd.
4.6	Maximizing Yields of Renewable Diesel and Sustainable Aviation Fuels Using ExxonMobil Process Technology	Hemant A. Paradkar	ExxonMobil
1115-1300	Technical Session - 6: Advances in Refining Technology		
	Session Chair: Ms. Sukla Mistry, Director (R)		IOCL
	Session Chair: Mr D Bhattacharyya, ED (R&D)		IOCL
6.1	Naphtha Complex Optimization and Decarbonization	Akshay Gupta	Honeywell UOP
6.2	Novel Indigenous Desalter Technology for Performance Improvement of Desalters	Vijay Yalaga	Engineers India Ltd.
6.3	indSelectG® : Technology for Selective Deep Desulfurization of Cracked Gasoline	A Arun	IOCL
6.4	Maximizing Unit Throughput While Minimizing Greenhouse Gas Emissions with the IsoTherming Hydroprocessing Technology	Daniele Noto	Elessent Clean Technologies
6.5	ROSE™Solvent De-Asphalting	Fabiano Iacono	KBR Technology
1400-1545	Technical Session - 8: Innovation in Refining		
	Session Chair: Mr S Bharathan, Director (R)		HPCL
	Session Chair: Mr Mukesh Mohan, ED& Refinery Head - Paradip Refinery		IOCL
8.1	HP CoSol Process: A process for improvement of lube raffinate yield & simultaneous production of low PAH rubber process oil	G Srinivasa Rao	HPCL
8.2	Towards Net Zero: A Novel Energy-Efficient Hydrocarbon Fractions Distillation Process with Reduced Environmental Impact	Karthick R	MRPL
8.3	Enabling faster energy transition through eReactTM technology	Nitesh Bansal	Haldor Topsoe India Pvt. Ltd.
8.4	Development and Commercialization of Indigenous PSA PLC Technology	T A Rajiv Kumar	HPCL
8.5	Clean up the sulfolane in your extractive Distillation unit	M O Garg	RIL
1615-1800	Technical Session - 10: Advances in Refinery Processes and Products		
	Session Chair: Mr S Khanna, Director (R)		BPCL
	Session Chair: Mr V K Maheshwari, Head R&D		HPCL
10.1	HP HCNG Technology: A First of its Kind technology for Carbon Negative production of Hydrogen enriched CNG	Pramod Kumar	HPCL
10.2	Innovations Driving Sustainability and Profitability in Refining, Ethylene, and Styrene Operations	Suhas M Nair	Dorf Ketal Chemicals (India) Pvt. Ltd.
10.3	Energy from Waste - Use of Ammoniacal and Sulfurous Gases to abate CO2 emissions from Refinery	Igor Kostromin	Haldor Topsoe India Pvt. Ltd.
10.4	Driving Change - The Role of Specialty Coke in the Energy Transition	Al Faegh	Chevron Lummus Global LLC
10.5	Optimizing the Catalyst Sulfiding with DMDS Evolution E2 and Careflex Connect	Isabelle Benssy	Arkema

Day-2 Hall-B			
0900-1045	Technical Session - 5: Advances in Petrochemicals		
	Session Chair: Mr Sanjay Varma, MD		MRPL
	Session Chair: Mr A S Sawhney, ED(Petrochemicals)		IOCL
5.1	Flexible Routes to Chemicals from Different Crude Blends	Subhabrata Guru	Lummus Technology
5.2	Eni & CLG Alliance for the future of residue processing	Goutam Biswas	Chevron Lummus Global LLC
5.3	Succeeding in Chemical World of Tomorrow	Anuj Seth	Axens
5.4	Single Step Conversion of Oil to Chemicals in Multizone Cat-Cracker for upgrading Low Value Refinery Streams, Plastic Pyoil, Bio-oil and Oxygenates	Sukumar Mandal	Reliance Industries Ltd. (RIL)
5.5	Evaluating Green Hydrogen through Electrolyser using Process Simulation	Ujjval Bhatt	KBC Process Technology Ltd
1115-1300	Technical Session - 7: Carbon Capture and Markets		
	Session Chair: Dr. R K Malhotra, Member, SAC		
	Session Chair: Mr Shantanu Gupta, ED(AE&SD)		IOCL
7.1	Carbon Credit Mechanism: Trends, Challenges and Opportunities for Indian Market to Achieve Net-Zero Goal	Rohit Kumar	CMAI
7.2	Energy Transition: Role of Hydrogen in the Future Energy Mix and Carbon Market	Milind Deore	BEE
7.3	CCS – Enabled by the Shell CANSOLV CO2 capture process.	Srihari Kannan	Shell Catalysts & Technologies
7.4	FCC Decarbonization - Honeywell UOP's Synthesized Air FCC technology	Sakthivelan Durai	Honeywell UOP
7.5	Filtration & Separations Best Practices for CCUS in the Oil & Gas Industry	Lindsay McRae	PALL India Pvt.Ltd
1400-1545	Technical Session - 9: Integrating Refining with Waste Plastics and Bio Processing		
	Session Chair: Mr R Ramachandran, Member, SAC		
	Session Chair: Dr. M Sau, ED (R&D)		IOCL
9.1	Optimal Pathways to High-Value Renewable Fuels and Circular Chemicals	Dan Gillis	Chevron Lummus Global LLC
9.2	Transition Fuel to Chemicals in Refining–Way to Sustainability	Chiranjib Haldar	Technip Energies India Limited
9.3	INDEcoP2F Technology: An Environment Friendly solution for conversion of Waste Plastic to Fuels for Circular Economy	SK Das	IOCL
9.4	Innovations in Refining and Petrochemicals	Abhishek Agrawal	Lummus Technology
9.5	Hydro PRT (waste plastics to Fuels)	Ashish Gourav	KBR Technology
1615-1800	Technical Session - 11: Improvement in Energy Efficiency		
	Session Chair: Mr Rajiv Agarwal, Dir(T)		EIL
	Session Chair: Mr Chako M Jose, ED		BPCL
11.1	Advancing Towards Net Zero: Exploring and Leveraging Heat Transfer Enhancement Technology for Immediate Energy Reduction Solutions	Martin Gough	Calgavin
11.2	Benefits of Integrating Energy Efficiency into Maintenance and Business Planning	Kevin Henke	Solomon Associates
11.3	Improving the Sustainability of Ethylene Plants	Wadie Malaty	Technip Energies
11.4	Reducing Emissions and Fuel Consumption in Fired Heaters	David Weintz	Integrated Global Solutions
11.5	C3 Splitter revamp to improve Efficiency	Giuseppe Mosca	Sulzer Chemtech

Day-3			
Hall-A			
0900-1045	Technical Session - 12: Digitalization		
	Session Chair: Mr Manish Grover, ED-IS		IOCL
	Session Chair: Mr V R Rajan, CGM		BPCL
12.1	Digital Operations Management for Refineries	Sunil	JaajiTech
12.2	Digital Twins for Multiple Applications	Jagadesh Donepudi	KBC Process Technology Ltd
12.3	Supercharging Carbon Emissions Management and Decision Support, a European Refinery Case Study	Dhananjay Rastogi	AspenTech
12.4	Revolutionizing Business Processes through Continuous Plant Monitoring to improve Integrity, Reliability and Operations in the Oil & Gas Industry; with HTRI's Digital Transformation Platform	Rajan desai	HTRI
1115-1300	Technical Session - 14: Improvements in Catalysts		
	Session Chair: Mr V Ravi Kumar, Head(R&D)		BPCL
	Session Chair: Mr Vipin Goel, Senior Director-Sales		W.R.Grace
14.1	Paving the Way to Low Carbon Propylene in the FCC Unit	Rafael González	W.R. GRACE
14.2	Catalyst Reuse: An Economical & Sustainable approach to drive profitability and promoting circular economy.	Siddharth Sagar	Eurecat India Catalyst Services
14.3	Developments in Hydroprocessing Catalyst	Atanu Chakraborty	Advanced Refining Technologies LLC
14.4	Benefiting from 20 years of experience in HVO production	Megha Agrawal	KetJen
Hall-B			
0900-1045	Technical Session - 13: Operational Excellence - 1		
	Session Chair: Mr Arvind Kumar, MD		CPCL
	Session Chair: Mr P V Ravitej, ED		BPCL
13.1	Pathway to achieve Sustainability Success in a Net Zero- Focused World	Jose De Barros	Lummus
13.2	Water Optimization and Zero Liquid Discharge (ZLD) at HRRL	Rajat Bharatwal & Kritarth Singh	HPCL
13.3	Selection of Design codes and Standards for Design of High Pressure Gaseous Hydrogen Pressure Vessels, Piping and Pipelines - New Technology & Challenges	P V Krishnakant	Engineers India Ltd.
13.4	Improving Gas Pipeline Sustainability Through Benchmarking: A Business Case	Ian Fairbairn	Juran Benchmarking
13.5	Transforming Operation	Vinayak Marathe	PTAI
1115-1300	Technical Session - 15: Operational Excellence - 2		
	Session Chair: Mr S Sarkar, ED(O)		IOCL
	Session Chair: Mr N Borathakur , CGM		NRL
15.1	FCC Strategy for Sustainable Operation	Raj Kanwar Singh	Technip Energies USA, Inc.
15.2	Corrosion management through real time analysis and simulation for sustainable CDU overhead management	Arindam Roy	NALCO Water
15.3	Crude to Nozzle Value Chain Optimization to Manage Supply Chain Disruptions and Improve Operational Excellence	Minesh Tendulkar	AspenTech
15.4	HP-ASAP Technology for 2G Ethanol/ Biomass valorization	Anu Jose Mattam	HPCL
15.5	World of Mechanical Variable Speed Drives	Rajdeep Roy	Voith Turbo (P) Ltd.