

28th Energy Technology Meet: 28-30 October 2025
"Energising Viksit Bharat through Sustainable Refining"
Hyderabad Internation Convention Centre (HICC), Hotel- Novotel,Hyderabad
28.10.25, 1200-1700 hrs

S.No.	User ID	Title	Name	Organization
1	2432	e-conversion of existing fired heater	Rohit Kumar	Axens Pvt Ltd
2	2430	Renewable energy-based EV Charging solution at Retail Outlet	Sandhya Singh	BPCL
3	250	CarbonOne as Pioneering Carbon Capture and Utilization technology for Sustainable Future	Ankit Kumar	Caliche Private Limited
4	2602	Purification of Green Hydrogen from Electrolysers & Compressed Biogas (CBG) Upgradation Through Catalytic Oxidation	Harish Bhupathi	Engineers India Ltd.
5	2500	A Novel Multi-metal catalyst for Production of Electrically Conductive Few Wall Carbon Nanotubes	Seshubabu Narayanam	IOCL
6	2637	UOP INDEPENDENT RECOVERYMAX SOLUTION	Srinivasan Ramanujam	Honeywell UOP
7	2617	Ind-CokerAT: Petcoke Reduction Technology for Achieving Net-Zero Goal	Prantik Mondal	IOCL
8	1823	Production of low Carbon Fuels through eREACTTM - A game changer technology	Sayani Sadhukhan	Topsoe India Pvt. Ltd.
9	767	Sustainable Aviation Fuel: Operational Challenges, Techno-economic Analysis, and Life Cycle Analysis for GHG emission	Debashis Thakur	NRL
10	1014	Polyaromatic hydrocarbons based synthetic heat transfer fluid: Synthesis and stability studies	Krishna Vankudoth	IOCL
11	469	All Volatile Treatment program for Steam generation system in Refineries	Manindra Pratap Singh	IOCL
12	2689	Driving Industrial Decarbonization: NASH Vacuum Technology Role in India's Net Zero Ambitions	Irfan Khan	Ingersoll Rand (NASH)
13	339	Depolymerisation for Circular Plastics Economy - Demonstration of India's First Indigenous PET Plastic Chemical Recycling Technology	Jatin Jatin	MRPL

14	2400	Catalytic Co-pyrolysis of Post-consumer Plastic Waste and Lignocellulosic Biomass for Enhanced Biofuel Production: A Novel Approach	Suresh Sundaramurthy	MANIT Bhopal
15	2504	Large Scale Production of Multi Wall Carbon nanotubes & COx free H2 production from low-value liquid petroleum feedstocks and Its applications	Samala Bhanumurthy	IOCL
16	2502	Biomass Valorization	Geetali Kalita	NRL
17	2415	Turning Flexibility into Opportunities in e-Methanol Production: A Techno-Economic Optimization Approach for Power-to-X Projects	Nisha Somwang	Technip
18	2577	Hydrogen network optimization in Refineries using AI/ML	Sandeepan Nayak	Tridiagonal Solutions
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1	2647	Applications of Sanicro 35: A Super austenitic Stainless Steel with Excellent Performance to Cost Ratio	Ganesh Prasad	Alleima
2	2614	Ultra-Critical Video Analytics (UCVA) Solution for BPCL Refineries	Abhilipsa Priyadarshini	BPCL
3	2572	LASER CLEANING – A SUSTAINABLE ALTERNATIVE FOR SHOT BLASTING & CHEMICAL CLEANING in BPCL KOCHI REFINERY	Gokul Krishnan G	BPCL
4	1013	Role of Microalgae as a promising alternative source of energy	Sreevidya R V	EIL
5	2501	Scaleup and integration of indigenous alkaline electrolyser with Hydrogen Refuelling Station: Advancing India's green Hydrogen Infrastructure	Ram Babu Gutru	BPCL
6	2477	Transition of Margin Improvement tool to advanced Cloud Based Unified PIMS platform	Prakash Kumar	BPCL
7	2273	Unlocking Biomass Potential: Thermostable LPMOs Enhance Cellulase Performance for Sustainable Biofuel Production	Dr. Bhawna Madan	BPCL
8	2443	HDPE Plant By-product /waste into Specialty Waxes (paraffin/ microcrystalline waxes etc) and Lubricating Oil Base Stocks (LOBs) for Multipurpose Grease Formulations	Dr.Manisha Sahai	CSIR-IIP
9	2344	Engineering High-Performance Mixed Matrix Membranes for CO ₂ Capture:	R. Surya Murali	CSIR-IIP
10	913	Sharing of Indigenous Technology Development and Innovations- Indigenous Technology Development and Innovations – Dorf Ketals MAKE IN INDIA initiatives	Suhas Nair	Dorf-Ketal

11	2503	Petroleum Coke-Derived Graphene: A High-Value Material for Next-Generation Energy Storage in India's EV Transition	Sonal Maheshwari	BPCL
12	1069	Innovative ways of water management in refinery cooling water systems with highly effective, eco-friendly and novel multifunctional polymer based comprehensive water treatment package	Siva Kesava Raju Chinthalapati	HPCL
13	2620	INDEcoP2F: Technology for Environment friendly conversion of plastic waste into fuels for a circular economy	Pradeep PR	IOCL
14	2424	Novel Technology for Enhanced Oil-Water Separation in Refinery Applications	Shalom Slonim	Turbulent Technologies
15	2465	ReVA – Refinery Virtual Assistant: Trusted AI Expert for Operational Excellence in Smart Refineries	Praveen P	MRPL
16	2336	Alloy 699XA: An Advanced Tubular Material for Metal Dusting Resistance in Hydrogen Production Environments at Refining and Petrochemical Applications	Shabareesh Nair	TUBACEX
17	799	RIL DTA Refinery - Flare gas recovery by inhouse developed scheme	Dipak D. Shukla	RIL
18	2776	Creating a Crude Oil Inventory Management Program (COIMP) using MS Excel & AI	Sachin Pal	BPCL
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1	2455	Enhancing Energy Efficiency: A Novel Approach in PFCC Main Fractionator and Gas Plant Operation	Adharsh R	BPCL
2	2369	From Inspection to Action: CFD Solutions for Refinery Equipment Reliability	Arun Kumar	BPCL
3	895	De-aromatized Solvents from World's First Dual Dividing Wall Column for the First Time in the History of Indian Refining Sector	Ratheesh S	BPCL
4	2605	A Digital-Twin model to Investigate Flame Dynamics in a Crude Heater Firebox: Effects of Fuel Distribution, Air Supply, and Burner Choking	Pavan Thakare	EIL
5	2533	Vacuum-Assisted Operation: A Practical Approach to Reducing Reboiler Fouling in Refinery Units	Priya Majumdar	EIL
6	2789	Dual Energy Symphony: Seamlessly fueling Refinery (Crude - Black Oil) and Petrochemical Plant (Naphtha -White Oil) Feed requirement through batch-wise transportation in single cross-country pipeline	Dhiraj Agrawal	HMEL
7	1023	Towards Net Zero: Advanced CDU–VDU Configuration for Optimized Performance and Energy Use	Ramanayya Gorle	EIL
8	2386	Achieving Net Zero through Diesel IsoTherming® Excellence: A Case Study in Sustainability, Energy Efficiency, and Plant Optimization at HPCL Mumbai Refinery	Sunil Umare	HPCL
9	574	Boosting Margins with Intelligence: HPCL’s Reliability & Optimization Success Story	Phanishwar Kumar	HPCL

10	2339	Integrating Operational Safety in Refinery Engineering Projects: Advancing Inherent Safety and Risk-Based Design	Ajoy Tiwari	IOCL
11	918	Pioneering ISCC CORSIA Certification in India for SAF Production by Co-processing : Technical Challenges and Opportunities	DR Y S Jhala	IOCL
12	424	Pioneering Net Zero: Guwahati Refinery's Strategic Approach to Electrical System Optimisation and Grid Integration	Saswat Mahapatra	IOCL
13	2590	Profit Improvement Program for Petrochemicals	Mayur Talati	KBC
14	821	Fulfilling India's Sustainable Aviation Fuel(SAF) requirement by ATJ pathway and valorising Waste via CIRCULAIR	Vineet Bakshi	LanzaTech
15	1232	CAPTURING ADDITIONAL VALUE FROM YOUR HYDROGENATION UNIT	Amir Taiyabi	Shell Catalysts
16	834	Utilizing Hydrocracker to enhance Refining - Petrochemical Integration and Navigate Energy Transition	Deepak Agarwal	Shell Catalysts
17	2694	Topic: Implementation of online corrosion monitoring system in Urea synthesis piping and prospects for further applications	Sho Kubota	Toyo
18	1048	Maximizing Petchem Output from Fluid Catalytic Cracking Units	Mukund Balachandran	WR Grace
19	1021	flare system Pre commissioning and Commissioning	Anoop Kumar	HPCL
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1	2562	Nitrogen stripping in Kerosene Hydrotreater fractionators	Ashish Pazare	BPCL
2	2546	Replacement of steam tracing with Electrical Heat tracing at BPCL-Kochi Refinery	Smita Ramakrishnan	BPCL
3	2422	Towards Net-Zero Refuelling: Technology Demonstration of a Novel Bharat Petroleum Vapor Recovery System (BPVRS) to Reduce Hazardous Emissions & Creating Value	Nitin Somkuwar	BPCL
4	556	Industry 5.0	Nagendra Pratap Singh	IOCL
5	2411	High-Performance Engineered Concrete using SCBA : A Circular Economy Approach to Sustainable Construction	Jatin Hooda	EIL
6	414	Enhanced energy efficiency using water repellant thermal insulation system	Subhojeet Ghose	EIL
7	2341	Replacement of 3 stages vacuum ejectors system with Mechanical Vacuum Pump in Lube Oil Unit	Harmeet Singh	HPCL
8	2511	Process Intensified LPG Desulfurization – A Novel Approach	Uttaran Basak	IOCL
9	2447	Performance of yellow oleander methyl ester (YOME) and castor methyl ester (COME) as Lubricity additive in High Speed Diesel (HSD)	Bibek Jyoti Borah	IOCL
10	1731	Fostering Indigenization in Refining: Successful Deployment of IV-IZOMaxCAT® for Light Naphtha Isomerization at Bongaigaon	Dr. Satyen Kumar Das	IOCL
11	934	FLARE REVEAL: AI-Driven Flaring Monitoring for Net-Zero Goals	Nirmalganesh S	MRPL

12	928	Cooling tower inspired engineering for low cost carbon capture	Omsat Mohanty	MRPL
13	1106	TK-930 D-wax™ catalyst - Unlocking the potential of SAF production through bio feeds co-processing	Sanjeev Bansal	Topsoe
14	2698	CCUS	Annapurna Boruah	UPES
15	2512	Best Practices in Heat Exchanger Performance Monitoring and the Roadmap Towards Digital Integration in Refineries	Harshita Gupta	EIL
16	2784	Enhancing Energy Efficiency & profitability in DCU and FCCU units in Refineries through Innovative	Prabagar Subramanian	DeltaValve
17	1028	Innovative Reconfiguration of A Mega Grassroot Integrated Complex By Re-Aligning New Feed & Product Streams For Higher Returns And Project Viability	prerana saha	EIL
18	2398	From Stacks to Solutions- A Bio-Accelerated Carbon Capture Approach for Industrial Decarbonization in India	Hriday Ranjan Kalita	NRL
19	916	Second Generation (2G) Ethanol Bio-Plants: Troubleshooting with Novel Distillation Tray Design	Ritesh Mittal	EIL
20	1249	Turbulators for Fluid flow manipulation – Focus on Temperature sensitive fluids	Ashwin Chandarana	calgavin