Now in its 8th year, Refining India continues to bring leading edge developments to the attention of senior executives and engineers from India’s major refining companies. We can’t meet in person this year, but our sophisticated digital platform takes our content to a new level and is accessible from the comfort of your home or office.
AGENDA

20th October 2021

08:30 Join us online, register and connect with your peers. This is an exclusive opportunity to expand your network and spark new partnerships, create real conversations during the networking breaks throughout the conference. Your chance to meet the right people, with our easy to use community and event platform.

09:00 Chairman’s welcome and introduction
Chair: Chris Cunningham, Editor, PTQ Magazine

09:05 Inaugural Address
Prabh Das, CEO & Managing Director, Hindustan Mittal Energy Limited (HMEL)

09:15 Keynote address
The outlook for India’s refining Industry
Speaker: Vartika Shukla, Chairman & Managing Director, Engineers India Limited

09:35 Petrochemical integration defines long term downstream winners
• What is the outlook for petrochemical feedstocks?
• Is crude-oil-to-chemicals the only way to achieve high chemical yields?
• How do you maximize the value addition from integration?
• India’s dilemma for fuels and chemicals: build or buy?
Speaker: Sushant Gupta, Director of Refining Asia Pacific, Wood Mackenzie

09:55 Virtual showcase & networking break

10:15 Emerging Feedstocks 1
Chair: Chris Cunningham, Editor, PTQ Magazine

10:15 Addressing the challenges of renewable feedstocks
Co-processing renewable feedstocks will help refiners meet their sustainability goals but poses challenges in existing refinery units
Speakers: Deepak Heera, Principal Proposal Engineer, Haldor Topsoe

10:35 Plastic chemicals recycling
How refineries can integrate the product streams from chemical recycling of plastics into their operations.
Speaker: Jonny Goyal, Associate Director, Circular Plastics & Sustainability, Oil Midstream/Downstream & Chemicals, IHS Markit

10:55 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Deepak Heera, Principal Proposal Engineer, Haldor Topsoe
Jonny Goyal, Associate Director, Circular Plastics & Sustainability, Oil Midstream/Downstream & Chemicals, IHS Markit

11:30 Virtual showcase & networking break

11:50 The Next Generation: Refinery Integration
Chair: Chris Cunningham, Editor, PTQ Magazine

11:50 Oil to chemicals: analyzing options through case studies
Refiners need to balance traditional fuels with conventional as well as niche petrochemicals for higher benefits
Speaker: Parveen Kalia, Process Engineer, Fluor Daniel India

12:10 Developing a crude-to-chemicals strategy
The technical, financial and reliability risks in developing a crude to chemicals strategy.
Speaker: Robert Ohmes, Strategic Business Planning Manager, Becht

12:30 Enhancing petrochemical feedstocks
Integration with olefin cracking boosts the FCC’s role in propylene production
Speaker: Rohit Agrawal, Project Development Manager, FCC Technologies, Honeywell UOP

12:50 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Parveen Kalia, Process Engineer, Fluor Daniel India
Robert Ohmes, Strategic Business Planning Manager, Becht
Rohit Agrawal, Project Development Manager, FCC Technologies, Honeywell UOP

13:10 Lunch & virtual showcase

14:15 Raising Energy Efficiency
Chair: Chris Cunningham, Editor, PTQ Magazine

14:15 Improving NHT performance with plate heat exchangers
High rates of heat transfer and minimal fouling contribute improved thermal efficiency and energy savings.
Speaker: Ms Salwati Ahmad, Refinery Market Manager, Global Technology, Business Division Energy Technology, Alfa Laval

Refining India 2021
14:35 Fuel flow control in fired heaters
Switching to a mass-based Coriolis flowmeter fired-heater fuel control cuts much of the variability in the energy content of fired heater fuel.
Speaker: Saurabh Deshmukh, Senior Manager – Refining Industry Asia Pacific, Emerson Innovation Center

14:55 Enhancing energy efficiency with IIoT
The Industrial internet of Things can be applied to enhancing energy efficiency in the crude and vacuum distillation unit.
Speaker: Dr. Ashwani Malhotra, Chief General Manager, Engineers India Limited

15:15 Dividing wall technology to boost energy performance and product quality
A naphtha splitter revamp using a divided wall column shows improvements in energy efficiency, product quality and refinery profitability
Speaker: Rajeev Ranjan, Principal Technical Professional-Process, KBR
Co-presenter: Jayesh Patel, Chief Technical Services Manager, Indian Oil Corporation

15:35 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Ms Salwati Ahmad, Refinery Market Manager, Global Technology, Business Division Energy Technology, Alfa Laval
Saurabh Deshmukh, Product Design Engineer, Emerson Innovation Center
Ashwani Malhotra, Assistant General Manager, Engineers India Limited
Rajeev Ranjan, Principal Technical Professional-Process, KBR
Jayesh Patel, Chief Technical Services Manager, Indian Oil Corporation

16:00 Virtual showcase & networking break

16:15 Refinery Maintenance
Chair: Chris Cunningham, Editor, PTQ Magazine

16:15 Continuous heat stable salts removal
A continuous amine purification system installation cuts the costs of HSS removal
Speaker: Louie Ponzani, Regional Sales Manager, Eco-Tec Inc

16:35 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Louie Ponzani, Regional Sales Manager, Eco-Tec Inc

16:45 Chairman’s Closing remarks followed by the end of Day 1

21st October 2021

08:30 Log in & networking within Swapcard
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09:00 Chairman’s introduction
Advances in Catalysis
Chair: Chris Cunningham, Editor, PTQ Magazine

09:05 Novel FCC catalyst technologies to drive value
Introducing an advanced matrix binding system for superior coke selectivity and bottoms cracking from a novel single particle.
Speaker: Gary Cheng, Regional Marketing Manager, FCC, Asia Pacific W. R. Grace & Co.

09:25 Adding value to catalytic bottom of the barrel upgrading
Experimental data is of critical for decision making, when planning a process for the heaviest oil fractions.
Speaker: Dr Ioan-Teodor Trotus, Segment Lead Hydroprocessing, hte Company

09:45 Selectum – the new FCC and hydroprocessing catalysts brand: from R&D to construction of the innovative plant
From the development of technologies to the construction of an innovative plant
Speaker: Alexander Zaytsev, Deputy General Director, Gazpromneft Catalytic Systems

10:05 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Mukund Balachandran, Technical Services Manager, W. R. Grace and Co
Dr Ioan-Teodor Trotus, Segment Lead Hydroprocessing, hte Company
Alexander Zaytsev, Deputy General Director, Gazpromneft Catalytic Systems

10:25 Virtual showcase & networking break

10:40 Better and Better: Improving Fuel Quality
Chair: Chris Cunningham, Editor, PTQ Magazine

10:40 Zero unconverted liquid product
A thermal conversion process with integrated gasification technology
Speaker: Guillaume Cuilhe, Resid Upgrading Lead Technologist, Conversion & Clean Fuels, Process Licensing GBU, Axens

10:40 Maximum diesel and chemicals with minimum octane loss
Extractive distillation technology meets the most stringent gasoline sulphur requirements with nearly no octane loss
Speaker: Charlie Chou, Business Segment Leader - Refining, Aromatics & Derivatives, Sulzer GTC Technology
Co-presenter: Khalil Khoraich, Prime-G+ segment leader, Axens
11:20 Safer and greener production of clean fuels
Alkylation with solid acid catalyst targets safer and greener production of clean fuels
Speaker: Edward Griffiths, Sr Technical Advisor, Refining Technology, KBR

11:40 Octane boost for light naphtha isomerization
Dividing wall column technology is enhancing key distillation processes
Speaker: Manish Bhargava, Director, DWC Innovations
Co-presenter: Anju Patil, Head of India Operations, DWC Innovations

12:00 Lower octane loss in the FCC Gasoline Hydrotreater
Meeting sulphur limits need not mean costly octane destruction
Speaker: Brant Aggus, Senior Technologist, Koch Technology Solutions

12:20 Integration of naphtha cracker and refinery to enhance gasoline production
Speaker: Indrani Mukhopadhyay, Chief Manager, Indian Oil Corporation

12:40 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Guillaume Cuihle, Resid Upgrading Lead Technologist, Conversion & Clean Fuels, Process Licensing GBU, Axens
Charlie Chou, Business Segment Leader – Refining, Aromatics & Derivatives, Sulzer GTC Technology
Khalil Khorach, Prime-G+ segment leader, Axens
Edward Griffiths, Technology Manager, Refining Technology, KBR
Manish Bhargava, Director, DWC Innovations
Anju Patil Sharma, Head of India Operations, DWC Innovations
Brant Aggus,

13:00 Lunch & virtual showcase

14:00 Emerging Feedstocks 2
Chair: Chris Cunningham, Editor, PTQ Magazine

14:00 Tackling the shift towards renewable lipids upgrading
Extending the biofuels portfolio through renewable hydrotreatment of oils and fats with Co-Processing and Vegan
Speaker: Octavio Lelis Carvalho, Technologist, Renewables Group, Process Licensing Business Unit, AXENS

14:20 Ecofining (HVO or SAF)
Speaker: Charlene Quek, Director, Business Dev, Sustainable Technology Solution, Honeywell UOP

14:40 Crude oil contamination and mitigation strategies
Troubleshooting techniques help to identify mitigation strategies for crude contaminants
Speaker: Marcelo Cordoba, Senior Technical Sales Advisor, Halliburton

15:00 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Octavio Lelis Carvalho, Technologist, Renewables Group, Process Licensing Business Unit, AXENS
Charlene Quek, Director, Business Dev, Sustainable Technology Solution, Honeywell UOP
Marcelo Cordoba, Senior Technical Sales Advisor, Halliburton

15:20 Virtual showcase and networking break

15:35 Heavy Lifting: Upgrading Technologies
Chair: Chris Cunningham, Editor, PTQ Magazine

15:35 Critical Revamp of a Coker furnace: A success story
Speaker: Ms. Shilpa Singh, General Manager, Engineers of India Limited
Co-presenter: Rupam Mukherjee

15:55 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Ms. Shilpa Singh, General Manager, Engineers of India Limited
Rupam Mukherjee, Senior Manager, Engineers of India Limited

16:15 Controlling the Refinery
Chair: Chris Cunningham, Editor, PTQ Magazine

16:15 Concept for a PSA control system
Taking the redundancy out of control system design
Speaker: Anand Rao, Lead Process Control System Engineer, UOP India

16:35 Digital transformation at BPCL – Mumbai Refinery
Full scale introduction of advanced digital systems is under way
Speaker: Ms. D. Rajeswari, Manager-Digital Solutions, Bharat Petroleum Corporation Limited – Mumbai Refinery

16:55 Session Q&A
Chair: Chris Cunningham, Editor, PTQ Magazine
Panellists: Anand Rao, Lead Process Control System Engineer, UOP India
D. Rajeswari, Manager-Digital Solutions, Bharat Petroleum Corporation Limited – Mumbai Refinery

17:15 Chairman’s final summing up followed by the end of conference

The agenda is subject to change. For the latest version of the agenda please visit the website @ refinigindia.com
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All secondary refining processes require the presence of catalysts. Gazprom Neft is the only oil company in the CIS with its own production facilities for catalytic-cracking catalysts, with capacity of 3,000 tonnes per year. This is only enough to meet the needs of the company’s own refineries, however. The majority of other Russian oil refining facilities buy abroad, and catalysts for hydro-processing (hydrocracking and hydro-treating) are, pretty much, imported.100-percent

W. R. Grace & Co, a global leader in catalysis, continues to deliver innovative solutions for the Refining, Petrochemical and Chemical industries. To further strengthen our connections to our markets and customers, Grace reorganized its business segments this year, creating the Grace Catalysts Technologies segment, which includes catalysts and related technologies used in refining, petrochemical and other chemical manufacturing applications.
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