



सत्यमेव जयते

Ministry of Chemicals & Fertilizers
Department of Chemicals and
Petrochemicals, Government of India



CHEMTECH
FOUNDATION
1974-2024

Inspiring Intelligence...
..Igniting Innovation

International Integrated **ENERGY** Exhibition & Conference

Oil Gas & Power

World Expo 2023

1-3 March 2023

Venue: Bombay Exhibition Center, Goregaon (East), Mumbai, India



Concurrent Events

Oil & GAS World Expo 2023
POWER World Expo 2023

Refining & Petro
CHEMICALS 2023

GAS
WORLDTECH
Expo 2023

INLAND
WATERWAYS & **PORTS**
World Expo 2023

MARITIME & LOGISTICS
World Expo 2023

SURFACE ENGINEERING
& Corrosion Control World Expo 2023



Jasubhai
MEDIA

Scope of the Exhibition

OIL & GAS

- Exploration & Production
- Oil Field Services
- Geographical and Seismic Surveys
- Drilling
- Sub Sea
- Transportation Storage & Infrastructure

NATURAL GAS & LNG

- Natural Gas Marketing
- City Gas Distribution
- Transportation & Storage Infrastructure

REFINING

- Oil Refining
- Marketing
- Petrochemicals Manufacturing
- Technology Licensors

POWER

- Power Generation
- Technology Licensors
- Power Transmission & Distribution
- Infrastructure

CLEAN ENERGY

- Renewables – Solar Wind & Hydro
- Hydrogen
- Biofuels
- Methanol
- Nuclear

ENGINEERING SERVICES

- EPC services
- Project Management Consultants
- Engineering Services
- Construction

SHIPPING MARINE & PORTS

- Shipping Services
- Ports
- Inland water ways
- Transportation Warehousing
- Supply Chain Management
- Material Handling & Supply Chain Management
- Logistics Services

CORROSION CONTROL

- Surface Engineering
- New metallurgies
- Industrial Coatings
- Corrosion Control Technologies & Services

PROCESS PLANTS & PLANT EQUIPMENT

- Distillation Columns
- Reactors
- Heat Exchangers, Cooling Towers & Boilers
- Storage Tanks
- Compressors, Pumps & Valves
- Plant instrumentation & automation
- IT Infrastructure & Digital Technologies

International Integrated **ENERGY** Exhibition & Conference

Oil Gas & Power
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Central Advisory Board Leadership



Mentor
Central Advisory Board
Oil & Gas World Expo 2023

Mr. R K Srivastava
Former Director Exploration,
ONGC



Chairman
Central Advisory Board
Oil & Gas World Expo 2023

Mr. Pankaj Kumar
Director (Offshore)
ONGC



Co-Chairman
Central Advisory Board
Oil & Gas World Expo 2023

Mr. P K Goswami
Director Operations,
Oil India Ltd



Chairman
Central Advisory Board
Gas World Tech Expo 2023

Mr. M V Iyer
Director Business
Development,
GAIL (India) Ltd



Chairperson
Central Advisory Board
Refining & Petrochemicals
World Expo 2023

Ms Sukla Mistry
Director (Refineries)
Indian Oil Corporation Ltd



Co-Chairman
Central Advisory Board
Refining & Petrochemicals
World Expo 2023

Mr. Sanjay Khanna
Director Refineries, BPCL



Chairman
Central Advisory Board
Power World Expo 2023

Mr U K Bhattacharya
Director Projects, NTPC Ltd



Chairman
Central Advisory Board
Surface Engineering &
Corrosion Control 2023

Mr D S Nanaware
Director (Pipelines)
Indian Oil Corporation



Convener
Oil & Gas World Expo 2023

Mr. S K Moitra
Former Director Onshore
ONGC



Convener
Gas World Tech Expo 2023

Mr. Rajeev Mathur
Director, HCG Group



Convener
Power World Expo 2023

Mr. A K Jha
Former Chairman
NTPC Ltd.

Chemtech will organise Oil Gas & Power World Expo 2023 from 1st – 3rd March 2023 in Mumbai. The 11th edition of International Integrated Energy Tradeshow will bring together the stakeholders from ecosystem of energy industry and allied sectors to personally meet at common platform after a gap of 3 years. Concurrent events include focused international exhibitions and conferences for E&P, Natural gas & LNG, Refining & Petrochemicals and Power

Exhibition will provide an opportunity for participants to display the equipment technology & services providers and engage with over 5,000 industry professionals from up mid & downstream of oil & gas and power generation, transmission & distribution sectors and allied industries to explore potential business opportunities during 3 days of tradeshow.

Technical conferences will once again create an opportunity for attendees to engage with speakers & subject matter experts, key decision makers & potential customers to expand business network and potential business opportunities.

Oil Gas & Power World Expo 2020



Leaders inaugurate the Oil & Gas World Expo 2020 & upstream conference 'Revitalizing Mature Fields using Innovative Technologies': (L to R): Mr P K Goswami, Ms. Ann Ollestad, Mr. Subramanian Sarma, Mr. S K Moitra, Mr. Maulik Jasubhai & Mr. Sanjay Joshi



9th Edition of Integrated Energy Tradeshaw opens for visitors: (L to R) - Mr Subramanian Sarma, Mr. Maulik Jasubhai, Mr. D K Sarraf, & Mr. S K Moitra



Dignitaries inaugurate Natural Gas & LNG Conference 'Unlocking Natural Gas Value Chain Potential in India' (L to R) : Mr. Rajeev Mathur, Mr. Yatinder Pal Singh Suri, Mr. R C Bhargava, Mr. D K Sarraf & Mr. Mahmoud Jardaneh



Inauguration of conference 'Transformation of Refining & Petrochemicals : Vision 2030' - (L to R): Mr. Rakesh Verma, Mr. Prasad Panicker, Mr. B Narayan, Mr. Sunder Kalyanam, Mr. Richard Boocock & Mr. Yatinder Pal Singh Suri



A warm welcome to the Chief Guest: Dr. Nitin Raut, Honourable Minister for New & Renewable Energy, Government of Maharashtra receives a memento from Mr. Hemant Shetty, CEO, ChemTECH & Jasubhai Media Pvt. Ltd.



Inauguration of Power World Expo 2020 & Conference 'Clean & Affordable Power: Innovation, Integration & Adoption' - (L to R) : Mr. Maulik Jasubhai, Mr. Pranav R Mehta, Dr. Anil Kakodkar, Mr. A K Jha, Mr. Shailendra Roy & Mr. Praveen Saxena



Industry delegates attending the upstream conference



Visitors at the registration counter



INTEGRATED ENERGY TRADESHOW

4-6 MARCH 2020 | MUMBAI, INDIA



Mr. S K Moitra

Director (Onshore),
Oil and Natural Gas
Corporation Ltd
(ONGC)

Chairman, Central
Advisory Board – Oil &
Gas World Expo 2020

"All over the world, Governments are giving parallel thrust to increase the share of unconventional energy in their energy requirements. In this challenging time, the potential of the redevelopment of mature oil and gas fields, which was often overlooked is the game changer for industry."



Mr. Subramanian Sarma

CEO & MD, L&T
Hydrocarbon
Engineering

"70% of today's production is coming from matured fields as the easy-oils are gone. If we consider the first & basic thing that would be able to prolong the life of a reservoir without incurring any specific cost, it is the ability to predict the type & quality of reservoir, what does it take to manage as well maintain the reservoir and how to build the production profile."



Ms. Ann Ollestad

Consul General,
Consulate General of
Norway in Mumbai

"Along with digital revolution, soft power is also very important. I have been working in India for nearly 8 years now and have seen that India has a very important innovative and necessary resources a women and young generation. I would really like to see more young people and women are recruited in this sector; and then for sure you will see the real change coming in and you will need it."



Dr. Nitin Kashinath Raut

Minister of New &
Renewable Energy,
Government of
Maharashtra

"Ensuring access to affordable electricity by 2030 means investing in clean energy sources such as solar, wind and thermal. Today, India is fast emerging as a global clean energy powerhouse, where the renewables sector has taken rapid strides. In such situations, it is the forums like Power World Expo & Conference which play pivotal role in bringing together the key decision makers from the regulatory authorities from the government, power producers, infrastructure & technology providers to a common point to deliberate on the concerns."



Dr. Anil Kakodkar

Former Chairman,
Atomic Energy
Commission;
Chairman – Rajiv
Gandhi Science
& Technology
Commission

"One of the biggest challenges we face is the money outgo because of the energy and energy related imports. In a country like India, we really can't afford such growing money outgo as it would become unsustainable in not so distant future. This is partly because the energy resources are at a stretch; and also because of the ever rising cost of energy resources, barring gas as an exception."

**FACTS &
FIGURES
2020**



3

DAYS TRADESHOW



151

EXHIBITORS



714

DELEGATES

Oil Gas & Power

World Expo 2020



Mr. A K Jha

Former CMD , NTPC Limited

Convener – Power World Expo 2020

"In today's perspective, 55% of the peak energy is driven by renewable energy which confers to the fact that conventional power plant like Thermal and Gas have to back down by 45% of their capacity in order to have no curtailment in renewable energy power. This is one of the biggest challenges being faced by the country today. On the flip side, this will further increase the renewable energy capacity."



Mr. Prasad Panicker

Director & Head of Refinery , Nayara Energy

Chairman, CAB, Refining & Petrochemicals World Expo 2020

"At the turn of the millennium, India had refining capacity of 110 MMTPA which has more than doubled in the last 20 years and stands at 250 MMTPA. While we feel very happy about the growth of the refining industry, we have to be mindfully conscious of the major disruptions such as EVs, fuel cells and biofuels. Crude oil volatility, trade wars and now the very recent one because of the virus is impacting the oil industry severely."



Mr. B Narayan

Group President Procurement & Projects, Reliance Industries Ltd.

"Digital twin allows refiners to monitor the asset on a real time basis and enable them to process the difficult crudes to the maximum possible extent. The digital twin takes into account, metallurgy, process conditions, corrosion and severity of process impact and leads to generation of millions of points of structured & unstructured data that can be analyzed using analytics. This data can then be utilized for machine learning & using AI to run operations. And that is where future refineries are headed to."



Mr. Rajeev Mathur

Executive Director (Corporate Affairs) & OSD to CMD, GAIL Ltd

Chairman, CAB, GASTech World Expo 2020

"The Government is very supportive towards increasing the share of natural gas from 6 to 15 percent in the country's energy basket. As a consequence of this forecast, the use of gas is also expected to increase by 5 folds in next 10 years. I am sure going forward, we will be able to find the ways and means to unlock the potential of natural gas and facilitate the stakeholders to pitch in."



Mr. R C Bhargava

Chairman, Maruti Suzuki India Ltd.

"It is important to focus very strongly on usage of Gas in transportation industry, because the import of crude has reached a figure of around 226 million tons imparting a cost factor of around USD 112 billion which is a huge drain on foreign exchange resource. The potential for the future growth for commuting vehicles is enormous as mobility is the prime factor for the economic development and better quality of life."



89
SPEAKERS



4655
VISITORS



4
CONFERENCES



192
VIP GUEST

INTEGRATED ENERGY TRADESHOW

25-27 OCTOBER 2021 | DIGITAL



Mr. Suresh Prabhu

MP, Government of India - Chief Guest, Power World. IE 2021
Chief Guest
Power World. IE 2021

Solving the problems of power sector would require all the stakeholders right from up & downstream to the allied sectors of feedstock, technology, machinery, distribution & transmission to work in unison. Futuristic energy is the backbone for the growth and would require comprehensive reforms across the energy sector and shared vision for India to march ahead. Let Power World. IE 2021 not be one of the events, but beginning of process that will mark in the future that can be an ongoing venture.



Mr. Tarun Kapoor (IAS)

Secretary, MoPNG, Govt. of India
Guest of Honour
Oil Gas & Power. IE 2021

If we want to fulfil the energy requirements of our country, we have to look at cleaner fossil fuels for the next 20 years, at least which becomes a part of energy transition. Therefore, natural gas has to play a much larger role and can be transported easily for use in industry, CNG for transport, cooking and for commercial purposes. This is the reason why we have this target of taking natural gas in the primary energy needs from current 6.7% to 15%, which may even go higher beyond 2030.



Mr. Amar Nath

Additional Secretary (Exploration), MoPNG, Govt. of India
Keynote Address ,
Oil & Gas World. IE 2021

PM has announced on 15th August 2017 when India will celebrate 100 years of independence, we must be energy independent also. In this context how do we transit fossil fuel to the modern form of energy. Hydrogen will be a very crucial piece of entire puzzle. We are already focusing on natural gas and after 11th round of bidding for city gas distribution, the infrastructure we are able to reach to the remote corners of the country and trying to reach 95% of population. With the availability of gas infrastructure already in place, the transition from natural gas to up to 20% hydrogen will be much easier.



Mr R K Srivastava

Director Exploration, ONGC Ltd
Chairman, Oil & Gas World. IE 2021

The oil and gas industry is on the move towards integrated energy solutions wherein other fuels, renewables and other things will come. And all these would be addressing the issues which are related to climate change as well as making those solutions more efficient and fast paced. So under that scenario, the theme for this conference has been very contemporary and relevant. As far as the upstream sector was concerned, I am happy to note that more than 400 plus registered delegates they attended on the session which was covered through five sessions, five technical sessions by 30 subject matter experts.



Mr. Pankaj Kumar

Director Offshore, ONGC Ltd

We have a commitment to keep carbon emissions under control. The gas imports, which were in the range of almost 20% in 2010, has I believe increased to close to 50% now. And with the LNG here, gas has become available everywhere in any part of the world. Gas is now being treated and available here in India. Also the new results which we have found, the new finds which are there are more on gas and we expect to increase our domestic gas production.

FACTS & FIGURES 2021



60+
EXHIBITORS



4500+
BUSINESS VISITORS



5
ONLINE
CONFERENCES



714
TOTAL MEETINGS
CONDUCTED



Dr SSV Ramakumar

Director R&D, IndianOil
Chairman, Refining & Petrochemicals World. IE 2021

The high point of these two days were the focused panel discussions of flexible refining technologies new technologies, and green hydrogen obligation which is an urgent matter of discussion for the refineries and biofuels which was moderated by IAP. Digitalization was also an important topic spoken by most of the leading digitalization solution providers. They participation touched on topics like the benefits of digitalizing, the refining segment and tools like Digital Twin and their benefits to the overall profitability of the refining.



Mr. Gajendra Singh

Member Petroleum and Natural Gas Regulatory Board, MoPNG, Govt. of India

Guest of Honour, Gas World Tech.IE 2021

"Gas is still developing sector in India so in upcoming years we have to increase the gas demand. We Need to reach all town and villages to develop this sector 30 % -40%. Power is getting generated through gas in other countries but in India is generated through coal Increment in upcoming fertilizer plant."



Mr. Gurdeep Singh

CMD, NTPC Ltd

Unless the whole globe achieves net zero and everybody works together in synchronism it is a long shot. India has done a commendable job in the last four to five years and has been lauded across the globe. Going forward we need to accelerate the speed to meet our targets and be careful that the transaction is swiftly possible.



Mr. U K Bhattacharya

Director Projects , NTPC Ltd

Chairman, Power World. IE 2021

The energy transition is a pathway toward transformation of the global energy sector to progressively decarbonized energy sector. Inevitably, this will require large investment in equipment as well as systems, but also necessitate larger involvement into education, knowledge to teach the people, especially the upcoming generations, on how to build and use them.



Mr. P K Pujari

Chairperson, Central Electricity Regulatory Commission, Govt. of India

Guest of Honour, Power World.IE 2021

The international Energy Agency in India outlook 2021 has projected that coal share of 68% of will drop to 32% by 2040 and share of solar wind and other renewables would go up. It was understood that structure of the in-depth market was not devised to suit large scale integration of renewable energy. RE generation required urgent regulatory interventions to post RE related investments. The situation provided an opportunity for the regulator to make structural change in the India power market and to seize upon the opportunity to propagating the energy transition.



175
SPEAKERS



5550+
TOTAL DISCUSSION
CREATED



8000+
TOTAL MESSAGES
EXCHANGED



2250+
TOTAL CONTACTS
MADE

TESTIMONIALS



“Congratulations to Chemtech team for creating an excellent forum to exchange the creative ideas providing deep insights that lead to well-informed, confident decisions related with oil and gas industry with very engaging sessions. It was a honour and pleasure speaking at the conference among Key decision makers, Subject matter experts and Interactive audience from the energy industry.”

Dr C Laxma Reddy

Additional Director General (Exploration)
DIRECTORATE GENERAL OF HYDROCARBONS
Ministry of Petroleum and Natural Gas, Govt of India



“The Oil & Gas +GASTech+ Refining & Petrochemicals +Power World Expo 2020 has offered so much to the participants, exhibitors and industry as whole at a time the world is struggling to breath their space. It is a overwhelming interaction and a truly motivating event to the industry. The topics are relevant, foot fall is good and over all a great networking platform for the industry.”

Kumar Swamy

Managing Director
IPCO Process & Belt Technology India Pvt Ltd.



“The integrated energy trade show held from March 4-6, 2020 in Mumbai was a splendid show by Chemtech Team. It was an unique occasion combining knowledge platform with a vast networking platform. There was extensive arrangement to host a huge gathering from diverse fields of work. In spite of this large magnitude, everything was very orderly. This was possible for the hard work of the organizing team. All the delegates of OIL family are immensely benefitted by this show.”

Pankaj Kumar Goswami

Group General Manager/Executive Director
Oil India Limited



“The Oil & Gas +GASTech+ Refining & Petrochemicals +Power World Expo 2020 held between 4-6 March is an event ; the industry eagerly awaits. It offers an exceptional platform for Exhibitors and delegates to interact on the matters of common interest. Amidst looming Covid 19 crisis then, the footfall was really encouraging. Congratulations to Chemtech Foundation for 'par excellence' event arrangement and professional ambience. Keep up the good work !”

Uday V. Kulkarni

Managing Director
Frames Process & Energy Systems Pvt. Ltd.



“The Oil and Gas, Refinery & Petrochemical and Gas Tech Expo 2020 has offered us a preeminent platform to showcase the know-how of our German based technology product in this sector. Our vast experience and expertise in the product application and platform to reach the participants, delegates and even the exhibitors from various field will definitely help us to seize each corner of the market.”

Santosh Chacko

Vice President (Sales & Marketing)
Lehler India Pvt. Ltd.



“The entire event was very well coordinated resulting into quality exhibitors, elite visitors and renowned dignitaries. It is a testimony of great popularity of ChemTech events that the Honorable Minister, New and Renewable Energy, Maharashtra, Dr Nitin K Raut graced the event and spent quality time at SIL's stall enquiring about the LPG project, the company's interest in FGD projects and its foray into power sector specially the renewable energy solar sector. Excellent work by team.”

Rakesh Verma

CEO & ED, Simon India Limited



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