

ISSUE HIGHLIGHTS



Mr Arvind Kumar

Director Refineries, IndianOil
Chairman CAB,

Refining & Petrochemicals World Expo 2025

- Chemtech celebrates 50 years during ACHEMA
- Transforming India into a Green Energy & Hydrogen powerhouse
- Unlocking E&P potential through Innovation, Digital Solutions and Decarbonization
- Accelerated Growth of Nuclear Technology for Power & Non Power Applications
- Driving decarbonization across power & coal sectors
- Role of corrosion control in transition to a low-carbon economy

UPCOMING EVENTS

International Integrated **ENERGY** Exhibition & Conference

Oil Gas & Power
World Expo 2025

5-7 March 2025

Venue: Hall 4, Bombay Exhibition
Center, Goregaon (East),
Mumbai, India

Chemtech Celebrates 50 Years at ACHEMA 2024

Highlights Growing Global Interest in India's Energy and Chemical Industries

Organised by
50
CHEMTECH
FOUNDATION
1974-2024
Inspiring Intelligence...
..Igniting Innovation

Jointly Organised by
DECHEMA
World's Chemical Engineering & Technology A 1
VDMA
The German Engineering Federation

Supported by
L&T Energy
Hydrocarbon

Chemtech India Day Seminar 2024
Achema - Frankfurt, Germany
India: A Preferred Investment Destination
Tuesday, June 11th 2024

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(L to R) : Mr. Frank Wohnsland, Deputy MD, VDMA, Dr. Andreas Förster, Executive Director, DECHEMA, Mr. Hemant Shetty, CEO, ChemTECH, Mr. Ashish Vij, Director & COO, Sudarshan Chemicals Industries Ltd, Mr. Shyam Dhekekar, Joint President, Aarti Industries Ltd & Mr. Pramod Khosla, MD, Khosla Profil Pvt Ltd



Over 200 industry leaders attended Chemtech's India Day Seminar hosted during the ACHEMA 2024 in Frankfurt. This year Chemtech marked the milestone of 50 years of services to India's energy & chemical processing industries. Mr Hemant Shetty, CEO, Chemtech Foundation & Jasubhai Media Pvt Ltd informed that over 750 exhibitors and more than 25000 industry professionals from 53 countries participated in ChemTECH World Expo 2024 which was very high as compared to 19 countries during the last edition. He expressed this as a clear indicator of

growing international interest in the Indian market to explore potential business opportunities with the Indian market.

Dr. Andreas Förster, Executive Director, DECHEMA acknowledged Chemtech's long standing support & thanked for the strong presence of Indian industry during ACHEMA. Mr. Frank Wohnsland, Deputy Managing Director, VDMA expressed that India is playing an

ChemTECH
WORLD EXPO 2026

3-6 February 2026 | Mumbai, India

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Chemtech Celebrates 50 Years at ACHEMA 2024

increasingly significant role in investments, particularly in pharmaceuticals and other industrial products. The export of German industrial products to India is steadily increasing, alongside the growth in the number of German subsidiaries established in India.

India's overall chemicals market is estimated to be USD 850-1000 Bn. by 2040 accounting for ~5% of India 2040 GDP (nominal) and 10-12% of world chemicals market in 2040. Specialty Chemicals is expected to contribute about USD 20 Bn to net exports and the anticipated trade surplus in specialty chemicals solidifies India's position as a key player with immense potential and

a bright outlook in the global market. Mr Shyam Dhekekar, Joint President, Chief Technical & Sustainability Officer, Aarti Industries Ltd said, "India's specialty chemicals sector is primed for significant growth, making it a top investment destination for FDIs and multinational corporations." He added that the compound annual growth rate (CAGR 2006-19) in total returns to shareholders for India's chemical companies stood at around 15%, which is substantially higher than the returns provided by global chemical industry.

Surging global energy demand and infrastructure development are driving the growth of the Global Oil and Gas EPC Market. Mr. Kaustuv Bagchi,

Vice President & Head Offshore Wind Business, Larsen & Toubro elaborated on the role of technological advancements, environmental regulations & sustainability, Geopolitical factors and energy security and HSE management on the EPC services providers. He asserted, "The faster we develop the projects, faster we grow towards a better world. By bundling engineering, procurement, and construction activities, EPC contracts can expedite project completion."

Mr Ashish Vij, Executive Director & COO, Sudarshan Chemical Industries Ltd shared insights into the pigments industry & Mr Pramod Khosla, Chairman & Managing Director, Khosla Profil India Pvt Ltd presented the concluding remarks.

Transforming India into a Green Energy & Hydrogen Powerhouse

- Mr Alok Sharma chairs the 1st meeting of advisory board
- Focused sessions on - Hydrogen, Biofuels, CCUS & Renewables
- Content to include real time case study presentations by experts of global acclaim



Mr. Alok Sharma, Director R&D, IndianOil & Chairman CAB Green Energy & Hydrogen Summit 2025 (Centre) along with Mr Hemant Shetty, CEO, Chemtech Foundation & Jasubhai Media Pvt Ltd, addressing the CAB members.



Chemtech will launch Green Energy & Hydrogen conference to unite global stakeholders in a landmark event dedicated to advancing the future of sustainable energy during Oil Gas & Power World Expo 2025 in Mumbai.

The conference will serve as a pivotal platform for discussing and driving forward the strategies necessary to meet ambitious net zero targets. Mr Alok Sharma, Director R&D, IndianOil & Chairman CAB Green Energy & Hydrogen Summit 2025 chaired & hosted the 1st meeting of central

advisory board (CAB) to brainstorm over the structure of the conference. The advisory board members have agreed to organise focused technical sessions on Hydrogen, Biofuels, CCUS & Renewables and invite experienced professionals to share the real time experience by engaging with the experienced international experts who can share the real time experience on projects in this space. The Green Energy & Hydrogen Conference 2025 will bring together leaders, innovators, policymakers, and industry experts to discuss these pressing issues and share insights. The conference aims to foster collaboration and generate actionable solutions that will drive the energy sector towards a sustainable future.

**GREEN ENERGY
& HYDROGEN**
World Expo 2025

5-7 March 2025, Mumbai, India

Unlocking Exploration & Production Potential through Innovation, Digital Solutions and Decarbonization

- Mr. Pankaj Kumar, Director (Production), ONGC Ltd chairs the 1st meeting of Central Advisory Board (CAB) at ONGC Ltd
- Mr. Rajarshi Gupta, Managing Director, ONGC Videsh Ltd and Head - International Committee, Oil & Gas World Expo 2025 and
- Mr. R. K. Srivastava, Former Director Exploration & CMD (Addl Charge), ONGC Ltd and Convener, Oil & Gas World Expo 2025 attend the meeting



Central Advisory Board (CAB) Chairman Mr. Pankaj Kumar, Director (Production), ONGC Ltd (centre); Mr. Rajarshi Gupta, Managing Director, ONGC Videsh Ltd and Head – International Committee, Oil & Gas World Expo 2025 and Mr. Hemant Shetty, CEO, Chemtech Foundation & Jasubhai Media Pvt Ltd, while conducting the 1st CAB meeting with other CAB members.



The first Central Advisory Board (CAB) meeting of Oil & Gas World Expo 2025 was successfully organised

in Delhi under the chairmanship of Mr. Pankaj Kumar, Director (Production), ONGC Ltd. India is poised for major growth and to meet its development and economic aspiration, there is huge energy demand in India which necessitates India fast pacing its efforts towards energy self-sufficiency. Against this background, the CAB members proposed the topics to be included in the upcoming conference to be held during the Oil Gas & Power World Expo 2025 exhibition. They concurred that three critical topics should form the crux for the conference viz., Innovation, Digital Solution and Decarbonization. Based on their suggestions, it was

unanimously decided that the theme for the conference would be - Unlocking Exploration & Production (E&P) Potential through Innovation, Digital Solutions and Decarbonization.

Today there is an increasing need to promote and support all the efforts which can translate to bring more energy from hydrocarbon fossil fuels and also supplement these efforts with green initiatives. Fast tracking the exploration process and reducing costs on the production side, using digital automation related innovation are the need of the hour. The CAB members discussed that these topics and other critical factors such as integrating operations through decarbonization efforts, policy matters, Carbon Capture, Utilization and Storage (CCUS) and climate goals should be included in the proposed panel discussion. Besides the

event will also see a student orientation program.

Chemtech is organizing the integrated energy industry meet and focused E&P conference at a very right time enabling the participants to interact with key decision makers to explore business opportunities, engage with the technology experts and learn from the globally renowned subject matter experts during concurrent E&P conference.

Oil & GAS
World Expo 2025
5-7 March 2025, Mumbai, India

Accelerated Growth of Nuclear Technology for Power & Non Power Applications

- Mr Ranjay Sharan chairs the 1st meeting of CAB at NPCIL
- India plans to set up 100 GW nuclear capacity by 2047
- Nuclear sector will need more than 100,000 professionals



(L-R) Mr. Pradip Mukherjee, Chief Executive, Board of Radiation & Isotope Technology; Mr. Akhlaque Ahmed, Associate Director, Nuclear Power Corporation of India Limited (NPCIL); Vice Admiral (Retd) N M Nadaph, Advisor, Walchandnagar Industries; Mr Ranjay Sharan, Director - Projects, NPCIL and Chairman – Central Advisory Board (CAB), Nuclear Energy World Expo 2025 and Mr. Hemant Shetty, CEO, Chemtech Foundation & Jasubhai Media Pvt Ltd during the 1st CAB meeting.



India envisions expanding the nuclear capacity of 100 GW by 2047, out of which NPCIL will set up 53 GW and rest will be in collaboration with the industry partners.

Mr Ranjay Sharan, Director Projects, NPCIL pointed out realizing this vision will require participation of all the stakeholders and concerted effort by the nuclear power generation entities, regulators and the industry while chairing the 1st meeting of the central advisory board for the current edition of Nuclear Energy World Expo 2025. The members of CAB agreed that there is a significant thrust to phase out coal in power plants that are largest emitters of greenhouse gases and by 2070, nuclear energy is likely to be the baseload power provider for future. Additionally, nuclear energy is being applied for cutting edge solutions for non-power applications in the field of agrochemicals, medicine and inspection of assets in oil & gas and power sector for preventive maintenance. While there are bottlenecks that need to be removed to drive the growth of nuclear sector,

the leaders highlighted manpower as one of the key areas to focus. The leaders expressed their concern about the need of over 100000 trained professionals to build & operate the nuclear infrastructure by 2047.

Taking cognizance of India's vision to ramp up the nuclear capacity & capabilities, the CAB members unanimously agreed to organize conference on "Accelerated Growth of Nuclear Technology for Power & Non Power Applications" for the industry stakeholders. The conference will have focused sessions for the Public Sector Undertakings (PSUs) to present the roadmap for nuclear industry in India, industry specific sessions for discussions between potential investors, technology suppliers and regulatory authorities to address the challenges, learn from international experts and insights into the scope of nuclear technologies for non-power applications. The industry leaders will also interact with students of science & engineering on this emerging area during the student outreach program (SOP).

International Integrated ENERGY Exhibition & Conferences

Oil Gas & Power

World Expo 2025

5-7 March 2025

Venue: Hall 4, Bombay Exhibition Center, Goregaon (East), Mumbai, India

POWER + **COAL** + **Nuclear ENERGY**
World Expo 2025 World Expo 2025 World Expo 2025

CAB LEADERSHIP



Mr. K. Shanmuga Sundaram
Director Projects NTPC Ltd. & Chairman,
Power World Expo 2025



Mr. Ranjay Sharan
Director Projects, Nuclear Power Corporation of India Ltd &
Chairman
Nuclear Energy World Expo 2025



Mr. A K Jha
Former CMD, NTPC
Convener, Power World Expo 2025



Mr. U K Bhattacharya
Former Director Projects, NTPC Ltd. &
Patron, Power World Expo 2025

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Driving Decarbonization Across Power & Coal Sectors

- Mr KS Sundaram kicks off discussion to plan the Power & Coal conference
- Conference to focus on emerging technologies & innovations in power generation and coal utilization
- Next meeting to be held in end of August.



The upcoming Power & Coal Conference will focus on the way forward for sustainable energy security through a clean and green energy transition, addressing the urgent need for transformative strategies in energy production and consumption. Over 20 industry leaders attended the first meeting of the central advisory board chaired by Mr K S Sundaram, Director Projects, NTPC & Chairman CAB Power + Coal World Expo 2025 to discuss the theme and potential topics for the upcoming conference. The event aims to highlight emerging technologies in power generation and coal utilization, showcasing innovations that promise a more sustainable and environmentally responsible future. A key focus will be the role of artificial intelligence (AI) in accelerating the energy transition and driving decarbonization across the sector. By exploring AI-powered solutions and cutting-edge advancements, the conference seeks to facilitate a comprehensive dialogue on how these technologies can enhance energy security, optimize resource management, and support the global shift towards a cleaner, greener energy landscape. Due to time constraints, the advisory board members outlined potential topics broadly and agreed to submit their suggestions to the Chemtech Secretariat before the next board meeting.

POWER COAL
World Expo 2025 World Expo 2025

5-7 March 2025, Mumbai, India

Role of Corrosion Control in Facilitating Transition to a Low-Carbon Economy

- Mr N Senthil Kumar hosts the 1st meeting of CAB to plan for Surface Engineering Coatings & Corrosion Control conference
- Corrosion management, Advanced technologies, AI & ML innovations for preventive maintenance emerge as key themes



Mr. N. Senthil Kumar, Director – Pipelines, Indian Oil Corporation Limited and Chairman – Central Advisory Board (CAB), Surface Engineering Coatings & Corrosion Control conference, during the 1st CAB meeting along with the CAB members.



As industries worldwide commit to ambitious net zero targets, innovative solutions in corrosion management are becoming increasingly critical. The upcoming Conference on Surface Engineering Coatings & Corrosion Control will address the pivotal role of corrosion mitigation in achieving sustainable operations and advancing the journey toward decarbonization. This conference will explore how effective corrosion management strategies contribute to both environmental and economic sustainability, focusing on cutting-edge technologies and methodologies that support the net zero approach.

Members of the Central Advisory Board (CAB) have emphasized the need to include advanced surface coatings and corrosion control methods to minimize the environmental impact of corrosion-related failures. The conference will feature discussions on best practices and innovative solutions in corrosion management that enhance the durability and efficiency of industrial

operations, thus supporting long-term sustainability. Key topics will include the role of corrosion control in facilitating the transition to a low-carbon economy and its impact on the performance and lifespan of technologies critical to decarbonization efforts. Additionally, the conference will highlight new and emerging technologies that offer sustainable and effective solutions for combating corrosion, including advanced materials and eco-friendly coatings. The potential of artificial intelligence (AI) and machine learning (ML) in revolutionizing corrosion control will also be explored. The conference aims to provide a comprehensive platform for industry experts, researchers, and policymakers to share insights and collaborate on advancing corrosion control technologies that support a sustainable and decarbonized future.

Surface Engineering Coating & Corrosion
World Expo 2025

5-7 March 2025, Mumbai, India

Oil Gas & Power

World Expo 2025

5-7 March 2025

Venue: Hall 4, Bombay Exhibition Center, Goregaon (East), Mumbai, India



LEADERS OF OIL GAS & POWER WORLD EXPO 2025



Mr. Pankaj Kumar
Director (Production)
ONGC Limited & Chairman
Oil & Gas World Expo 2025



Mr. Subramanian Sarma
Wholtime Director &
President (Energy)
Larsen & Toubro & Co-Chairman
CAB, Oil & Gas World Expo 2025



Mr. Rajeev Kumar Singhal
Director Business Development
GAIL Ltd & Chairman
Gas World Tech Expo 2025



Mr. Arvind Kumar
Director Refineries, IndianOil
Chairman CAB,
Refining & Petrochemicals
World Expo 2025



Mr. N Senthil Kumar
Director (Pipelines)
Indian Oil Corporation & Chairman,
Surface Engineering Coating &
Corrosion Control 2025



Mr. K. Shanmugha Sundaram
Director Projects
NTPC Ltd. & Chairman,
Power World Expo 2025



Mr. Alok Sharma
Director (R&D)
Indian Oil Corporation Ltd.
Chairman CAB, Green
Energy & Hydrogen 2025



Mr. Ranjay Sharan
Director Projects, Nuclear Power
Corporation of India Ltd &
Chairman
Nuclear Energy World Expo 2025



Mr. Rajarshi Gupta
Managing Director
ONGC Videsh Ltd and Head
International Committee
Oil & Gas World Expo 2025



Mr. A K Jha
Former CMD, NTPC
Convener
Power World Expo 2025



Mr. U K Bhattacharya
Former Director Projects,
NTPC Ltd. & Patron,
Power World Expo 2025



Mr. R K Srivastava
Former Director Exploration &
Addl Charge- CMD, ONGC Ltd &
Convener
Oil & Gas World Expo 2025



Mr. Rajeev Mathur
Director, Haryana City Group &
Convener
Gas World Tech Expo 2025

Concurrent Conferences: Oil & Gas | Natural Gas & LNG | Refining & Petrochemicals | Power & Coal | Nuclear Energy | Green Energy & Hydrogen
Shipping, Marine & Ports | Surface Engineering Coating & Corrosion Control | Student Outreach Program

EXHIBITOR GROUPS

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

FACTS AND FIGURES OIL GAS & POWER 2023



3
DAY
TRADESHOW



201
EXHIBITORS &
PARTNERS



8897
VISITORS FROM
28 COUNTRIES



192
VIP GUESTS



5
CONFERENCES



853
DELEGATES



147
SPEAKERS



670
ENGINEERING UNDERGRADS
FROM 23 COLLEGES ACROSS INDIA

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