

DECARBONIZING & GROWTH OF  
**OIL & GAS** INDUSTRY

**Oil & GAS**  
.IE 2021

25<sup>TH</sup> – 27<sup>TH</sup> OCTOBER, 2021



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International Integrated Energy Show in India

## CHAIRMAN'S MESSAGE

Distinguished Guest, Shri Tarun Kapoor, Secretary, MoPNG, Chief guest Shri Amarnath Ji, AS, MoPNG, Shri S.C.L Das Ji, DG-DGH, all distinguished guests and acclaimed industry experts, participants, a very Good morning to all.

It is my privilege to welcome you all to the Oil & Gas World. IE 2021 conference, the international integrated energy show being conducted by Chemtech from 25th – 27th October, 2021 to create an opportunity for the professionals from up-mid & downstream of hydrocarbon industry to meet online. Taking cognizance from the urgency to address Climate Emergency & India's commitment to become low carbon economy, the conference is aptly themed as 'Decarbonization & Growth of Oil & Gas Industry.'

This three day online industry meet will provide an opportunity to the stakeholders from the up-mid & downstream of hydrocarbon industry to experience digital display of latest equipment, technologies & services providers across E&P, Natural gas & LNG and Refining & Petrochemicals sectors. The upstream conference will bring together the industry patrons, key decision makers from the Indian upstream oil & gas sector along with professionals from the industry in intense knowledge sharing sessions. It is an honor to have Shri Tarun Kapoor (IAS), Secretary, MoPNG, Govt. of India, Shri Amarnath Ji, AS, MoPNG, Shri S.C.L Das Ji, DG-DGH with us on the inaugural day of the three day virtual conference.

Energy will be of highest importance for India as a country on its journey towards becoming 5 trillion dollar economy. And the role of upstream oil industry thus becomes even more crucial to meet the growing needs for industrial, infrastructure & domestic consumption. Through this series of events, industry executives have an opportunity to participate in focused and highly interactive conversations tackling critical issues currently shaping the energy future.

Reserve replacement through exploration is becoming ever more costly and demands informed investment decisions where digital insights are needed to support the subsurface evaluations of frontier regions. There is an ever increasing trend of adopting IoT (Internet of Things) and AI based platforms for screening basins for new finds as well as sustainable hydrocarbon production coupled with green energies and decarbonization technologies.

Oil and natural gas will be part of the energy system for decades to come – even under ambitious efforts to reduce greenhouse gas emissions in line with the Paris Agreement. It is therefore crucial to reduce the immediate social and environmental impacts associated with producing and consuming these fuels. It is crucial for the oil and gas industry to be proactive in limiting, in all ways possible, the environmental impact of oil and gas supply, and for policy makers to recognise this is a pivotal element of global energy transitions.

Focus on Energy transition is the keyword in global energy sector's shift from fossil-based systems of energy production and consumption to renewable and clean energy sources like wind and solar, green hydrogen as well as lithium-ion batteries. Regulation and commitment to decarbonization has been mixed, but the energy transition will continue to increase in importance as investors prioritize environmental, social and governance (ESG) factors.

In India, that energy transformation is well underway. It is among the world's top five countries in terms of renewable power capacity. By 2030, low-carbon energy sources could account for more than 60 per cent of India's total power capacity, well above what it originally committed to under the Paris Agreement. Engaging the emerging generation of innovators and entrepreneurs who can provide the technical and social solutions for future energy mix is critical to ensure that the energy transition is sustainable, inclusive and enduring.

Oil & Gas World. IE 2021 is being organized at the right time to engage the patrons of this industry in intense knowledge sessions and will enable participants to interact with & learn from the globally renowned experts & industry veterans.

Best regards

**Maulik Jasubhai**  
Chairman & Chief Executive  
Jasubhai Group & Chemtech Foundation





## Session Chairman

### **R K Srivastava**

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

Rajesh Kumar Srivastava assume the charges as Director (Exploration) of the Company on 02.08.2019. Mr. Srivastava acquired Master of Science(Geology) from Lucknow University and Master's Degree in Engineering Geology from Indian Institute of Technology, Kanpur. Mr Srivastava joined ONGC as Geologist in 1984 at Krishna Godavari Basin, Rajahmundry.

With over 35 years of experience, Mr Srivastava is an expert in up-stream hydrocarbon exploration from well site operations, development geology, seismic data interpretation to monitoring and planning of exploration.

“ Higher greenhouse gas that is carbon dioxide, mainly concentration in atmosphere leads to new challenges to climate change pattern across globe. In this context, IPCC, created by the United Nations in 1988, first, came out with a report which conclusively set its agenda that climate change is anthropological that is manmade. United Nations Framework Convention on Climate Change that is UNFCCC. The world community has progressed over the years to Kyoto Protocol in 1997 as well as various conference of parties known as Cops, including the landmark Paris Agreement during Cop 21 in 2015.”



## Shri Pankaj Kumar Goswami

Oil India Ltd  
Director (Operations)

Pankaj Kumar Goswami took over as Director (Operations) on the Board of the Company on 1st June, 2020. Prior to that Mr. Goswami was holding the position of Chief General Manager(Projects) of the Company, at Field Headquarter at Duliajan, Assam. As Chief General Manager (Projects) Mr. Goswami looked after implementation of large number of complex and high-value projects of the Company related to production of Oil & Gas. Mr. Goswami led a team for development of gas field in Company's most promising structures in upper Assam. By virtue of his rich experience of working in production of oil & gas from India's oldest and highly matured oilfield of Naharkatia in Northeast India, he carries the distinction of being a hard-core oil-man with deep learning on geology, drilling, etc.

“ Reducing carbon footprint definitely is a talk of the town talk of the countries with the net zero given as a deadline by almost all the companies, not only the companies but the nations and Cop 26 just around the corner. the oil and gas industry is expected to look towards more greener solutions and move forward in their pursuit because oil and gas is going to be there if not at that level in a global context, but definitely at a much larger level in Indian context, alternate energies, hydrogen as a fuel is emerging and Green hydrogen.”

**Amar Nath**

Additional Secretary (Exploration) Ministry of Petroleum & Natural Gas, Govt of India

Amar Nath, Additional Secretary (Exploration) Ministry of Petroleum & Natural Gas is the Govt. nominee Director and joined the board on 28 June 2016.

Amar Nath, an IAS Officer (1994 AGMUT Cadre) is a Bachelor of Science (Mechanical Engineering) from National Institute of Technology, Kurukshetra, Kurukshetra University and MA (International Development Policy) from Duke University, USA. Shri Amar Nath was Secretary to the Department of Health, Government of National Capital Territory of Delhi prior to the present assignment. He has held the positions of Administrator of Union Territory of Lakshadweep, Chief Executive Officer of Delhi Urban Shelter Improvement Board, and Chief Executive Officer of Chandigarh Housing Board in Chandigarh.

“ We have started making milestone & activity chart on the same. Two components has come to in this picture is finance and technology, specially the digital technology. Financing will be the difficult coz the financing is started moving, now they are not very keen into oil & gas. Now active investor have come in the picture. Now this is also added by the technology, due to social media, society has become more conscious that they know we move away from the fossil fuel and have a green planet and this being influence by some of these events which are taking place such as floods, unseasonal rainfall, intensity of rains are also taking place, and some the areas still facing droughts.”





## Subramanian Sarma

Whole-time Director &  
Sr. Executive Vice President  
(Energy), Larsen & Toubro

Subramanian Sarma is the Whole-time Director & Sr. Executive Vice President (Energy) at L&T. He is also the Chief Executive Officer (CEO) and Managing Director (MD) of L&T Hydrocarbon Engineering, a wholly owned subsidiary of Larsen & Toubro. He is responsible for the Hydrocarbon and Power businesses. A graduate in Chemical Engineering, Mr. Sarma completed his master's from IIT Mumbai. A seasoned professional, he has over 39 years of experience, with 30 years being in the Middle East.

During his career span, Mr. Sarma has handled the complete Oil & Gas value chain including Executive Management, Business Development, Project Management and Process Engineering.

“ Global warming is here and tackling the green house missions for the safeguarding of the next generation is important. India as a growing economy consumes one of the largest energy so aligning with the demand is essential. India is not a rich country but we need to afford rich energy, so we need to have affordable energy as much as clean energy. There are three major opportunity to reduce energy consumption per unit of output. Which includes utilizing the combination of use of technology, better efficiency, cost analysis that should help reduce consumption to attain cleaner technology like solar, hydro, nuclear which needs to commercialize.”



**Desikan Sundararajan**  
MD and Country Manager, Equinor

Desikan Sundararajan is a Managing Director and Country Manager for Equinor in India. Through business-critical deliveries and internal/external stakeholder engagement, he is able to influence business decisions. He has a track record of creating value through technology integration and data-driven digital production optimization. He has a diverse background in the automotive, glass, and energy industries. Enabler for the commercialization of multiple technologies from lab to market. He is passionate to contribute towards low carbon energy transition by applying creative thinking towards disruptive innovation and collaboration.

“ Working in coordination not just in the domestic setting but also in the international spectrum is really important. We now see how world is unclutched in reform and rivalry where economic growth is largely prioritized and technology is thriving in way investments, commitments and policy momentum is fragmented when all nations are working together. When the world needs rebalance, in reality, reform and rivalry is actually where we are truly headed towards. Decarbonization, energy efficiency and electrification is important to achieve net zero emissions.”



## S K Moitra

Former Director Onshore,  
ONGC Ltd & Convener  
Oil & Gas World. IE 2021

S K Moitra has 38 years of experience in the upstream petroleum and natural gas industry with India's leading E&P Company, Oil & Natural Gas Corporation Limited (ONGC). Key specialization areas: Management of large oil & gas Asset Technical, operational, and commercial knowledge of upstream oil & gas industry Business Planning & Project Management High level of analytical, communication and negotiation skills

Director(Onshore) on the Board of ONGC for more than 2 years (April'18 – May'20) and following are few achievements:

8 onshore discoveries were monetized.

During FY'20 these Assets produced 6.18 MMT Crude Oil registering a growth of 1.85% in 2 years after average annual decline of 8-10% and 5.3 BCM Natural gas from 9 Onshore Assets.

“ The prices of energy has always been going up for the last two, three months. You all are aware of the gas prices sky ride profiting. There is a two school of thought about the carbonization. We all know the Western Europe thing different way North America thinks different way Asia Pacific, Middle East Asia. They have a different perspective. We are developing nation, we need energy, big growing population of middle class and energy consumptions are very low level. If you see it, both India and China and it has to again go to the world average every likelihood. Stock that oil and gas remain. That is what my reading also will remain for at least for the next 30 years.”



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SESSION I

**Growth of Oil & Gas**



**SCL Das (IAS)**  
Director General, DGH India

**Sesion Chairman**

S. C. L. Das is Director General, Directorate General of Hydrocarbons, Ministry of Petroleum & Natural Gas, Government of India. Shri Das has served in diverse capacities in the past 26 years, in Arunachal Pradesh, NCT of Delhi, UT Chandigarh, Andaman & Nicobar Islands, and Government of India. He has been on deputation to United Nations Office for Project Services where he worked in the health sector. Shri Das worked as District Magistrate and Secretary of Transport and Civil Supplies in the Government of Arunachal Pradesh. In Chandigarh Administration, he worked in the areas of urban housing, finance, and taxation. In Government NCT of Delhi, he served as Health Secretary and as Secretary to Lt. Governor.

“ That is really the focus point, which in the context of the Indian EMP industry. We want to leave this message to the global community to come and invest in India for these two three reasons. Number one, that India oil and gas, the energy demand is going to grow and oil and gas continues to be an integral part of this energy growth story. Number one, number two, while going for while increasing our focus and investment in oil and gas in the transitional phase of about three decades or so, there'll be certainly increasing adoption of technologies, digitalization and all such measures which make for increasingly reduced carbon footprint, so that the overall India's commitment to the decarbonisation agenda and the overall climate change agenda remains intact.”



**Pankaj Kumar**  
Director Offshore, ONGC

Pankaj Kumar has taken over charge of Director (Offshore) of Oil and Natural Gas Corporation (ONGC) on 4th September, 2021. As Director (Offshore), he is responsible for the entire gamut of Offshore Fields contributing around 70% of Oil and 78% of Natural Gas production of ONGC.

Shri Kumar is a thorough Oil & Gas industry professional with more than 34 years of experience across ONGC's business functions varying from Operations Management of Offshore and Onshore fields, Well Engineering, Joint Venture Management, Corporate Strategic Management and Asset Management.

“ 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.”



**Anirban Mukherjee**  
Managing Director & Partner,  
Boston Consulting Group

## Energy Transition

Anirban Mukherjee is part of the Energy practice at Boston Consulting Group. He has worked extensively in the oil and gas and renewable energy fields. Within oil and gas, Anirban leads engagements within government, the public and private sectors, and multinationals looking to enter India.

In the energy field, Anirban has worked with clients in upstream oil and gas as well as energy policy. Within industrial goods, he has project experience in metals and mining, manufacturing, and infrastructure. He has deep expertise in business strategy, large project management, corporate strategy, and large scale transformation.

**Dr C Laxma Reddy**

Additional Director

General (Exploration) , DGH India

**Growth potential in Western Offshore**

Dr. C. Laxma Reddy is an upstream Oil & Gas professional with more than three decades of diverse experience covering the entire gamut of E&P industry. Dr. Reddy holds a Master's degree and a Ph.D in Applied Geology from IIT, Bombay, one of the most prestigious institutions of India. His close association with Board of Directors of ONGC on matters relating to E&P business early in his career, enabled him with board level understanding of the sector. During his tenure with GAIL he worked in Business Development and played critical role for its diversification in to Upstream Hydrocarbon sector. He was associated with MoPNG on: Review of development plans of fields and concurrent review of performance of all major Oil&Gas fields. As a member of Corporate War Room of ONGC, effectively monitored E&P status and various activities undertaken to achieve the goals & objectives of organization.





**Ajay Dashore**  
Deputy CEO, ISPR

## Engineering Marvels - Underground Strategic Petroleum Reserves of India



Ajay Dashore is currently working as Deputy CEO at Indian Strategic Petroleum Reserves Limited. He has three decades of rich experience in Hydrocarbon Industry. He started his career in Mumbai High Offshore oilfields of ONGC after graduating in Chemical Engineering from Kanpur University. He was involved in startup and commissioning of Crude oil processing, Natural gas compression and Dehydration and water injection process complex in the Mumbai Offshore. He has extensive experience in well analysis, production optimization of oil and natural gas fields, process operations and projects.



**Soloma Yamdo**  
CGM ,Oil India



## Growth Potential from Mature Fields

Shri Saloma Yomdo is a Petroleum Engineering graduate from Indian Institute of Technology (Indian School of Mines), Dhanbad. He is currently assigned the responsibility of Chief General Manager and Head, in Oil India Limited's Centre of Excellence for Energy Studies at Guwahati.

He has been actively involved in implementing sound Reservoir Management practices in the oil and gas fields of OIL for the last 27 years, which has helped to sustain production levels and increase the life of the oil and gas fields. He has also presented and published technical papers in various international and national forums, and is an active member of the Society of Petroleum Engineers (SPE), USA and Association of Petroleum Geologists (APG).

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SESSION II

**Growth of Oil & Gas II**



**Girish Shirodkar**  
Partner, PwC Strategy



## **Policy in CO2 injection as EOR medium related to pricing & availability**

Girish Shirodkar is a Partner in “PwC Strategy&” with more than 20 years of consulting and industry experience across Energy and Resources. He has advised the boards and top managements of leading NOCs, Independents and conglomerates, on a range of issues from portfolio strategy, resource allocation, growth strategy, exploration strategy, data analytics, decision analytics, bidding and M&A, annual planning and governance structures. Girish has advised clients across India, US, Europe, China, Japan, Middle East and Africa and has been an Instructor at Stanford University's certificate program on “Strategic Decision and Risk Management”. Girish led the team that received the Best Upstream Vendor Award from Petronas. Girish has completed his PGDM from IIM Ahmedabad and B.E. from VJTI, Mumbai.



## **Abhilash Baruah**

Principal Consultant, Eunoia  
Process Consultants, India

## **Energy Quadrilemma and Resiliency Paradigms in Oil & Gas**

Abhilash Baruah is a Freelance Technical & Business Development Consultant working in the key Oil & Gas Production & Water Treatment in the Indian Market. With a Post graduate degree in Geology, his professional experience include Unioia Process Consultants- Founder & Principal Consultant (2019- Recent), Dorf Ketal Chemicals (I) Pvt. Sales Engineer (2016-2018), Kupps & Sachs, Sales Engineer (2015-2016), Nalco Champion 2012-2015, and was also an counselor in the environmental studies in Assam. Abhilash was also worked with Oil India Ltd, ONGC Indian Oil Corporation Cairn India Ltd, Hindustan Petroleum Corporation Ltd, Schlumberger , Halliburton, Wabag Water, FLSmidth, etc.



**Subha Sen**

Promoter & MD,  
SurasOI Inc. DWC LLC. Dubai

**Energy Quadrilemma and Resiliency Paradigms in Oil & Gas**

Subha Sen has worked with NEOM; Cable & Wireless Telecom; CWC, Seychelles, ITRON; ABB; Emerson; Brahmaputra Crackers and Polymers LTD (BCPL India); Dragon Oil; National Drilling Co. (NDC) - ADNOC; Shelf Drilling; BATELCO, KPMG, Deloitte; BCG. Some of her Key Customers and businesses include NEOM (Water and Renewable Energy business), Turkmenistan based national E&P, Power Utility Corporation, Seychelles and many more. She holds a Post Graduate (PG) Diploma in Computer Sciences (PGDCS) and Masters of Social Sciences (1988) from Jadavpur University, India



**Rohan Iyer**  
Lead Drilling Engineer  
Reliance Industries Ltd

## **Challenges in HPHT Deepwater Development**

Rohan Iyer, Lead Drilling Engineer,  
Reliance Industries Ltd.

Lead Drilling Engineer with over 10 years experience in Offshore Deepwater HPHT, ERD, Depleted and Onshore wells with expertise in well planning, engineering, tendering and operations.

**Neeraj Sethi**

Baker Hughes India Region Leader

**Technology Disruptions**

Neeraj Sethi, Country Leader India region has 23 years of international oilfield experience of which 14 have been with the Baker Hughes and 5 with Halliburton. He has been a COO of Asian Oilfield Services Limited and was the CEO of Selan Exploration Technology Limited prior to joining Baker Hughes. He has active leadership style brings together his operational, sales and technical expertise gained during an international career spanning nine countries. Neeraj has been awarded four Patents and has authored four SPE Papers. He is an alumnus of The Indian Institute of Technology, Bombay and completed his B. Tech in Chemical Engineering in 1994.



**Sandeep Ramakrishna**  
Head(FRE), HLS Asia Ltd

## **Formation evaluation technologies to recognize the potential of mature fields**

Sandeep Ramakrishna is an oil and gas professional with over 25 years of experience. His areas of expertise are petrophysics, reservoir characterization and operations. He served on the SPWLA technical committee for 3 years. He has chaired and cochaired several technical sessions at oil and gas symposiums. He has published over 30 technical papers and holds several patents.. As the Global Geoscience Manager, he spearheaded several projects to develop petrophysical software and established centers of excellence for Deepwater, Unconventional and Mature reservoir evaluation within the organization. He supported the operations world-wide, with a special focus on Deepwater reservoirs of West Africa, Gulf of Mexico and Brazil. Prior to joining Halliburton, he worked for an independent Oil and Gas company managing for log analysis, perforation selection, identifying by-passed and behind-pipe reserves and reserves estimation.

**D.R. Sharma**

DGM (Geophy. - Wells), I/C  
Interpretation Well Logging Service, ONGC

**Formation evaluation technologies to recognize the potential of mature fields**

D R Sharma holds a M.Sc.(Physics) and M.Phil(Solid State Physics) Joined ONGC in 1993 as a field Engineer. Field operation in Open-hole & Cased-Hole logging till 2009. Presently working in Well Logging Services Interpretation Ankleshwar, as a I/C Well Logs Interpretation. Trained in well log interpretation under M/s Baker Hughes, Texas in 2012. Having expertise in logging field operation as well as interpretational activities.



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SESSION III

**Case Studies: Bringing in advantage of  
AI & ML to Oil & Gas Industry**



**Anand Laxmivaran R**  
Group CDO, Vedanta Ltd

Anand Laxshmivaran R is the Group Chief Digital Officer ("CDO") for Vedanta Limited. And has been a Digital Transformation Leader with over 21 years of industry experience and two decades of exposure to systems and technologies within Oil & Gas and Manufacturing domains. He has worked with oil & gas consulting, worked with global majors on Digital Transformation programs, industrial automation companies focusing on process control and automation systems. His past organizations include Wipro Technologies, Honeywell, General Electric and Siemens. Anand has completed his BE in Electronics and Telecommunication and MBA from Indian Institute of Management, Bangalore.



“The growth for the industry probably lies under at the inter section of digital and green transition. It is all about oil and gas operators and the industry over all set realistic target around decarbonization and in the process leverage variety of digital technologies that have available today. In terms of intersection digital and decarbonazation, I broadly look it at three part first in terms of how do we apply birth of technology that available to improve asset utilization and resource efficacy with in our contest and across the value chain 2nd is around how do we conserve the resources energy.”



**Ali Didanloo**  
Production Director  
Schlumberger

## **Digital Twin concepts in Oilfield and its application in context of Indian E&P Industry**

Ali has near 20 years of experience in the E&P business, working in the Middle East, Latin America and Asia as reservoir engineering consultant, production technologist, Integrated Operations and management. Ali holds BSc and MSc degrees all in Petroleum Engineering.

He works currently with Schlumberger as Production Business Manager for Eastern Hemisphere.

His expertise include field development planning, reservoir management, sub-surface to surface integration, asset optimization and Digital Oil Field solutions design and execution, etc.



**Mousumi Deka**  
GM - IT , Oil India Ltd

## Digital Acceleration

Mousumi Deka is presently working as Head of the Department, IT, at Oil India Limited (OIL). She has around 30 years of experience and expertise in the software development life cycle along with development, administration and management of data centres and disaster recovery sites. She is one of the core team members of Digital Transformation project of Oil India Limited and has published and presented several technical papers in various incountry as well as international forums.



## **Prateek Kumar**

Digital Solutions Consultant -  
Well Construction & Drilling Analytics,  
Halliburton Landmark

## **Automated Operations for Higher Rig Performance**

Prateek Kumar is Digital Solutions Consultant for Well Construction and Drilling Analytics at Halliburton Landmark. He has experience in managing realtime and analytics project from designing phase to execution. Prateek has a BTech in Petroleum Engineering from University of Petroleum and Energy Studies, Dehradun and post graduate diploma in Machine Learning from IIIT, Bangalore.



**Gagandeep Singh**

Oil &amp; Gas specialist, ABB

**One plant, one system: Learn how a single integrated system architecture benefits plant operators, engineers and managers.**

Gagandeep Singh has completed B.E (Electronics & Communication) from Thiagarajar College of Engineering ,Madurai and MBA (Oil & Gas Management) from University of Petroleum & Energy Studies, Dehradun. He joined ABB in March 2011, with 4 Years prior experience with Honeywell Automation India Limited, Pune. He has around 14 Years of in Sales, Marketing & Business Development of Control Systems for Downstream Oil & Gas Value Chain which includes DCS, ESD & F&G Systems, and Electrical Control Systems for Refineries, Petrochemicals, Chemicals & Pipelines.

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SESSION IV

**Reducing Carbon Footprint**

**Shailesh Tyagi**

Climate Change & Sustainability Services  
Partner, EY India

Shailesh Tyagi is a Partner in Climate Change and Sustainability Services (CCaSS) at EY in India. He specializes in ESG strategy and maturity enhancements, impact-based materiality assessments, decarbonization transition pathways and safety performance management.

Shailesh has over 20 years of experience in helping clients across various industry sectors and geographies and served several global and Indian clients in addressing their environmental, social and governance (ESG) risks, etc. Shailesh is an alumnus of the University of New South Wales, Sydney with degrees in mechatronics, environmental engineering and sustainability management.

“When we are looking at reserve oil and thing becomes more complex and then we have value change. In the oil and gas sector if we look at the emission profile if you split up stream, mid-stream and downstream and you start looking at scope 3, scope 3 is the most material scope. How we really manage scope 3 other indirect emissions. If we start looking at latest IPC report, the world has already warmed, to 1.5 degree more than pay industrial level.”



**Deepak Vaidya**  
Business Head - India,  
BA Europe, Outokumpu

**Increasing tank farm capacity by  
reducing downtime**

Deepak Vaidya is a Business Head in Outokumpu India Pvt. Ltd and a Mechanical Engineer and Fellow of Institution of Engineers (India). He has additional management qualifications in Business Management and Human Resource development and a Certified Business Coach from BCC Finland. He has more than 25 years of experience across various metal industry with focus on driving innovations through new applications



**Devraj Sonavane**  
Vice President - Pune  
Aker Solutions

## **Subsea compression to reduce carbon footprint**

Devraj Sonavane joined Larsen & Toubro's Heavy Engineering Division working on downstream projects and some special projects for ISRO. He joined Aker Solutions as a Product Engineer. He completed Postgraduation from Indian Institute of Science Bangalore in Mechanical Engineering and oversees design, development, and verification of different products in subsea production systems. He has three patents on his name for his contribution in development subsea electrical actuators and is working as a Management role and Aker Solution since last 3-4 years.



**Frederik Majkut**  
Marketing & Strategy  
Director, (Schlumberger Asia)

## Reducing Carbon footprint for Oil & Gas operations

Fred Majkut is the Director of Marketing and Strategy for Schlumberger in the Asia Basin and oversees the crafting and deployment of Schlumberger's corporate strategy in the Asia region.

He is also serving as Executive Sponsor of Schlumberger Asia Sustainability Committee.

Over the last 20 years, Fred has served many operational, technical and managerial positions in the United States, France, Central America, North Africa, Middle East and Asia for Schlumberger.

Since 2014, he was appointed as Global Vice President for slickline services, was the Vice President for Well Intervention services in Asia, oversaw all production business lines of Schlumberger in Saudi Arabia and Bahrain from 2017 to June 2020. Fred holds a Masters degree in Mechanical and Aeronautical Engineering, with honors.

**Dr. Jean Burrus**

Technical Expert & Advisor (X)  
- CEO & Chairman &

**Role and challenges of CCUS, in the  
context of the energy transition**

Dr. Jean Burrus is coordinating consultancy in the area of the Energy Transition with BeicipFranlab. He has graduated from Paris School of Mines (France) and has 40 years' experience in the Upstream sector. He has carried out various research at IFPEN in geoscience and reservoir engineering, and has been the head of BeicipFranlab , the IFP Group consultancy past 21 years.



**Martin Lantoine**

EOR Expert and Department Head  
Beicip Franlab

**Role and challenges of CCUS, in the  
context of the energy transition**

Martin Lantoine is a senior reservoir engineer with a double education in reservoir engineering and petroleum geology. He is the Department head and in charge of CCUS activities development with Beicip-Franlab and IFP Group. He has 20 years' experience on all type of subsurface fields studies, from specialized simulation studies to Field Development Plan, with a specific focus on EOR techniques and solutions.



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SESSION

**Alternative Energies: Changing the  
Energy Paradigm**



## Amar Nath

Additional Secretary (Exploration)  
Ministry of Petroleum &  
Natural Gas, Govt of India

Amar Nath, Additional Secretary (Exploration) Ministry of Petroleum & Natural Gas is the Govt. nominee Director and joined the board on 28 June 2016.

Amar Nath, an IAS Officer (1994 AGMUT Cadre) is a Bachelor of Science (Mechanical Engineering) from National Institute of Technology, Kurukshetra, Kurukshetra University and MA (International Development Policy) from Duke University, USA. Shri Amar Nath was Secretary to the Department of Health, Government of National Capital Territory of Delhi prior to the present assignment. He has held the positions of Administrator of Union Territory of Lakshadweep, Chief Executive Officer of Delhi Urban Shelter Improvement Board, and Chief Executive Officer of Chandigarh Housing Board in Chandigarh.

## Session Keynote

“ We and the govt, PM has announced on 15 august that that India will celebrate 100years in 2047, so must have to 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. Its infrastructure for natural gas been taking to remote corner of the country after the 11 th round of the city gas distribution we try to reach 95% of population toward the infrastructure of the natural gas is there is a very easy transition from natural gas to hydrogen I believe upto 20% with the hydrogen it will be much easier.”

**Siddharth Mayur**

Founder & Managing Director  
h2e Power Systems Pvt Ltd

**Green Hydrogen Roadmap in India**

Siddharth Mayur is the Founder, Managing Director & CEO of H2e Power Systems Private Limited. As a first Generation Social Entrepreneur, his firm targets to provide energy independence to Indian Villages & to small marginalised Farmers by developing solutions that will help the energy transition & provide a sustainable clean energy alternative to the world. He founded India's first Fuel Cell company aiming Hydrogen Economy and co-Founded a Salt Battery Company, which combines with Fuel Cell systems to provide grid independent inexpensive power. Siddharth's company is setting up a global scale Manufacturing facility in India & Germany to cater to the growing demand for good quality & in-expensive Fuel Cell generators & Electrolysers.



## **Ankit Garg**

Senior Vice President - Oil & Gas  
Shapoorji Pallonji & Co. Pvt Ltd

## **Offshore Windfarms**

Ankit Garg is an Energy and Sustainability business leader, creating, mentoring and leading high-impact, multi-cultural Strategy, Business Development, and LSTK Project Management teams Ankit works as Senior Vice President- Projects with SP Oil & Gas, Singapore and heads the execution of all Upstream Oil and Gas Floating Production (FPSO, FSO, FSRU) services, Offshore Floating Wind and other Alternate Energy (Shale Gas, LNG) Projects for SP Oil & Gas. He completed Executive General Management Program (GMP) at Harvard Business School, and MBA- Finance (High distinction) in Indian School of Business and B.Tech- Mechanical Engineering- IIT Bombay (2002).'



**Dr Carsten Gelhard**

Head of HydroHub

EE Engineers GmbH, TÜV NORD Group

**Green Hydrogen for the Oil& Gas Industry**

Dr. Carsten Gelhard holds a PhD in Business Chemistry from the University in Münster, Germany, and is Head of the HydroHub - an initiative of companies of the TÜV NORD GROUP. By bundling the competences of specialized companies in the field of safety and sustainability, the expert network of the HydroHub supports the hydrogen economy along the entire value chain through consulting, engineering and training.

# CONNECT TO THE NETWORK

 <p><b>Chemicals &amp; Process Industries</b> Holistic platform for latest trends in chemical processing equipment, technology &amp; services for the downstream chemical industry.</p>	 <p><b>Engineering Procurement &amp; Construction</b> Connects the project owners from oil &amp; gas, chemicals processing, power &amp; infrastructure industries with the technology &amp; services providers for Engineering, Procurement &amp; Construction and allied sectors.</p>	 <p><b>Specialty Chemical</b> Engages the manufactures &amp; suppliers of specialty chemicals, intermediates &amp; formulations with multiple end user industries.</p>
 <p><b>Biotech &amp; Pharma</b> Provides an opportunity for manufacturers of pharma products, processing equipment &amp; allied services providing sectors.</p>	 <p><b>Lab Analytix</b> Cutting edge lab technologies, analytical instruments &amp; advanced automation for R&amp;D, quality control &amp; quality assurance across industries &amp; research institutions.</p>	 <p><b>Water Management</b> Utilities, technologies &amp; advanced automation to manage water &amp; waste water for multitude of applications across Industrial &amp; Municipal infrastructures.</p>
 <p><b>Industry Automation &amp; Control</b> Process &amp; Factory automation, Industrial electronics &amp; Instrumentation for applications across up – mid &amp; downstream of hydrocarbon &amp; chemical processing industries.</p>	 <p><b>Pumps, Valves &amp; Fitting</b> Pumps Valves &amp; Fittings to meet needs for fluid management across up – mid &amp; downstream of hydrocarbon &amp; chemical processing industries.</p>	 <p><b>Paint &amp; Surface Coating</b> An International Exhibition and Conference connecting the Buyers, Sellers &amp; Influencers in the Paints, Coatings, Surface Engineering Industry</p>
 <p><b>Student Outreach Program:</b> Student Industry interaction platform to develop future leaders for the chemical industry. <b>SOP Biotech:</b> Mentorship platform for students aspiring to join various industries as biotechnology professionals in the field of R&amp;D and pursue entrepreneurial journeys.</p>	 <p><b>Oil &amp; Gas</b> One stop for equipment, technology &amp; services for E&amp;P, hydrocarbon processing, transportation, storage &amp; logistics for the hydrocarbon value chain.</p>	 <p><b>Natural Gas &amp; LNG Valuechain</b> Complete solutions for Natural Gas exploration, production, gas processing, LNG supply chain and infrastructure for transmission &amp; distribution.</p>
 <p><b>Refining &amp; Petrochemicals</b> Connects the refiners and downstream petrochemicals manufacturers through common platform.</p>	 <p><b>Power World Expo</b> Total solutions and technology innovation for application in power generation, transmission &amp; distribution across electricity value chain.</p>	 <p><b>Nuclear Energy</b> Equipment, technologies &amp; services for nuclear power sector &amp; supply chain.</p>
 <p><b>Inland Waterways Ports &amp; Logistics</b> Enabler for development of national waterways, rail-road-ports connectivity, warehousing &amp; logistics.</p>	 <p><b>Shipping, Marine &amp; Ports</b> Maritime show for complete technology, equipment &amp; services for ship building, repair, breaking, port development &amp; management, manpower training &amp; recruitment.</p>	 <p><b>Infrastructure &amp; Design</b> Melting pot for innovative ideas in architecture and Design for professionals from global fraternity of architects &amp; designers.</p>

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