



Activity Committee Meet
on

Digitalization in Energy Sector

27th May 2022

Organized By

**Centre for High Technology
&
Bharat Petroleum
Corporation Ltd
Kochi Refinery**



Activity Committee Meeting on Digitalization in Energy Sector

Date: 27th May 2022

Sl.No	From	To		Activity	Duration(min)	
	08:30		Registration Starts			
	09:00	09:30	Inauguration		00:30	
1	09:00	09:02	Shri Sridhar K,GM(Digital), Kochi Refinery, BPCL	Welcome	00:02	
2	09:02	09:07		Lighting of the Lamp	00:05	
3	09:07	09:12	Shri Ajith Kumar ,ED(Kochi Refinery), BPCL	Presidential Address	00:05	
4	09:12	09:17	Shri Alok Sharma, ED, CHT	Theme Address	00:05	
5	09:17	09:22	Shri Rama Rao T V CGM(IS&Digital), BPCL	Keynote Address	00:05	
6	09:22	09:25	Ms Anuradha Shenoy,DGM(Digital), Kochi Refinery, BPCL	Vote of Thanks	00:03	
	09:25	09:30	General guidelines on conduct on session GM(Digital), Kochi Refinery			00:05

SL.NO.	From	To	Presentation By	Organization	Topic	Duration(min)	
1	09:30	09:45	Mr. Aishwariy Baheti	BPCL-MR	Real Time Self Optimizing Digital Refinery	00:15	
2	09:45	10:00	Mr. Saurabh Gupta/Ms. Anuradha Shenoy	BPCL-KR	Digital Transformation at BPCL-KR	00:15	
3	10:00	10:15	Ms. Alphy Thomas	MRPL	Dynamic Optimization of Polypropylene Reactor through Melt Flow Index and Xylene Solubility Soft Sensors	00:15	
4	10:15	10:30	Mr. Karthick R	MRPL	Real Time Optimization of Power and Steam Generation in Captive Power Plant Leveraging Digital Twins Models	00:15	
5	10:30	10:45	Ms. Shilpa Singh, Mr.Rupam Mukherjee	EIL	IIoT based digital solutions for optimizing refinery operations	00:15	
6	10:45	11:00	Mr Srivardhan Grandhi	EIL	CFD model as a Digital-Twin in Energy Sector	00:15	
	11:00	11:15	Tea Break				00:15
7	11:15	11:30	Mr. Asif Iqbal	HPCL	Monitoring of Energy Use to Increase Operating Efficiency	00:15	
8	11:30	11:45	Ms. Aswari Kelkar	BORL	Digitalization at Bina Refinery	00:15	
9	11:45	12:00	Mr. Imran Ali Khan	IOCL	Digitization in energy	00:15	
10	12:00	12:15	Mr. Sanjay Tondwal	IOCL- Panipat	Real Time Optimiser for Product value optimisation with overall energy optimisation in AVU-1 unit at IOCL Panipat Refinery.	00:15	
11	12:15	12:30	Mr Siddharth Kumar	DGH	Digitalization In Upstream Oil & Gas industry	00:15	
12	12:30	12:40	Mr Jitendra Kumar Verma	BPCL-KR	Advance Process Control Implementation in DCU and PFCCU Units	00:10	

13	12:40	12:50	Mr. Suresh R	BPCL-MR	APC & Real time Optimization in Amine Regeneration Units - A Digital Twin approach	00:10	
14	12:50	13:00	Mr. Zutshi DK	BPCL-MR	Maintaining Effectiveness of Control Loops/Controllers/Models for sustaining Excellence	00:10	
15	13:00	13:15	Mr. Nikhil Mahajan/ Mahadevan Ramamoorthy	AspenTech	New Age Solutions for Energy Management, Emission Monitoring, and Decarbonization	00:15	
	13:15	14:15	Lunch Break				01:00
16	14:15	14:30	Mr. Vinayak Marathe	PTIA	DIGITAL TRANSFORMATION PRACTICAL ASPECTS OF INDUSTRY	00:15	
17	14:30	14:45	Mr. S. Faraz Osmany	IOCL	DGM(Strategic Information Systems)	00:15	
18	14:45	15:00	Mr. Jigar Halani	NVIDIA	Accelerate Sustainable Energy projects with Artificial Intelligence and Digital Twins	00:15	
19	15:00	15:15	Mr. Nikhil Krishna R S	Detect Technologies Private Limited	Artificial Intelligence For Automating and Monitoring Safety, Efficiency And Productivity In Industrial Facilities	00:15	
20	15:15	15:30	Mr. Raju Chopra	Halder Topsoe	Digitalization: Smart way to improve the bottom line & enable sustainable energy transition	00:15	
	15:30	15:45	Tea Break				00:15
21	15:45	16:00	Mr. Anurag Sahi	AVEVA India	Digitally uncover profitable pathways to net-zero	00:15	
22	16:00	16:15	1. Amit Sarna and Mayur Talati 2.Dr. Jagadesh Donepudi, Ashok Pathak and Mike Aylott	KBC	1.Digital Energy Management System 2.Digitalization and Cloud Adoption	00:15	
	16:15	16:25			Break for concluding session	00:10	
	16:25	16:45			Key Takeaways by Convener	00:20	
	16:45	17:00			Closing remarks	00:15	