

PMHBL

TECHNOLOGY CONFERENCE 2026

FUELING THE FUTURE

**New and Emerging Technologies and Processes in
Downstream Industries, with Emphasis on Pipeline
Transportation**

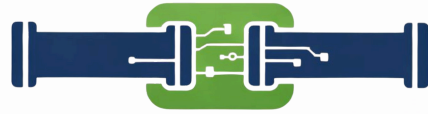


20 February 2026

Conference Venue:

Royal Orchid Resort & Convention Centre

Yelahanka, Bengaluru



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About the Conference

PMHBL Technology Conference 2026 #PTC2026 is a focused technical forum bringing together industry leaders, technology experts, policymakers, and operations professionals to deliberate on new and emerging technologies and processes in downstream industries, with specific emphasis on pipeline transportation systems.

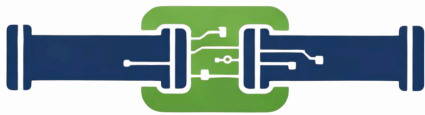
The conference aims to examine how digital transformation, automation, advanced materials, data-driven decision systems, and modern operational practices can be effectively applied to enhance the safety, reliability, efficiency, and sustainability of downstream pipeline infrastructure and operations.

Conference Objectives

- To explore emerging technologies relevant to downstream pipeline operations.
- To share operational best practices and evolving process standards.
- To understand the role of digital systems in pipeline safety and integrity.
- To foster collaboration between operators, technology providers, and institutions.
- To align future pipeline operations with sustainability and regulatory expectations.

Participants

- PNGRB, OISD, OMCs, Oil PSU, IISc, NEERI-CSIR
 - Pipeline operation specialists, Tech Experts, CTO, CISO
 - Digital transformation, IT/OT, and automation specialists
 - Pipeline safety, integrity management, and HSE professionals
 - Regulatory, compliance, and policy stakeholders
 - Technology providers, system integrators, and solution partners
 - Academic institutions, research organisations, and industry experts associated with downstream energy infrastructure
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Agenda*

Start Time	End Time	Session Title
10:00	10:15	Welcome address & lamp lighting
10:15	10:30	Inaugural Address
10:30	10:45	Plenary Address I
10:45	11:00	Plenary Address II
11:00	11:15	Session 1 - Advanced Analytics: AI for Petroleum Pipelines
11:15	11:30	Tea Break
11:30	12:15	Panel-1 Beyond Automation: How AI and IT Are Redefining Industrial Systems
12:15	12:35	Session 2- Embedding Intelligence into Industrial Pipelines: Architecture-Led Resilience in a Converged IT–OT Environment
12:35	13:00	Session 3 - Corporate Digitalization: A Strategic Imperative
13:00	13:20	Session 4 - Regulatory insights
13:20	13:30	Session 5 - Demonstration: VR-Based PIG Receipt and Launch Activity.
13:30	14:30	Lunch Break
14:30	15:15	Panel-2 Operational Excellence in Pipeline Systems: Process Optimization and SOP Modernization
15:15	15:30	Session 6- Curtain Raiser: PMHBL Corporate Digitalization Program (CDP)
15:30	15:50	Session 7 - Designing Next-Generation Telecommunication Systems for Pipeline Networks
15:50	16:15	Tea Break
16:15	17:00	Panel-3 Evolving HSE Practices in Pipeline Operations: Emerging Processes and Technologies
17:00	17:20	Session 8 - Future Outlook: Emerging Trends in Downstream Pipeline Transportation Corrosion Management/Robotics & Drone for pipeline inspection
17:20	17:40	Session 9 - Advancement of Leak Detection Systems
17:40	17:50	Conference Takeaways & Way Forward
17:50	18:00	Valedictory Session & Open Q&A

*subject to changes



Petronet MHB Limited

Petronet MHB Limited (PMHBL)

A subsidiary of ONGC with HPCL as an equal 50% equity partner, operates a vital 362.36 km underground petroleum pipeline connecting Mangalore to Bangalore via Hassan. This critical infrastructure traverses 238 villages across Karnataka to safely transport "white oil" products—including petrol (MS), diesel (HSD), and aviation turbine fuel (ATF)—from the MRPL refinery to key regional terminals. While currently authorized for a capacity of 5.6 MMTPA, the company recently launched "Mission 5.6" to achieve its full pumping potential, with future expansion designs reaching 8.5 MMTPA.

PMHBL maintains best-in-class operations through an Integrated Management System certified to international standards, including ISO 9001 (Quality), 14001 (Environment), 27001 (Information Security), 45001 (Safety), and 50001 (Energy). Committed to technological advancement and sustainability, PMHBL is also integrating AI in pipeline operations.

Petronet MHB Limited

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