



IVAMA[®]spk

Quarterly Newsletter of IVAMA Association

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MESSAGE FROM THE BOARD MEMBER

Resilience through Innovation

It is a privilege to address you for the first time as a member of the IVAMA Board. As we step into the final quarter of 2025–26, we find ourselves at a historic crossroads. The global trade landscape has shifted from the predictable integration of the last decade to an era of "Structural Volatility." While this presents hurdles, it also offers the Indian valve and actuator industry a rare opportunity to redefine its global standing.

With the US implementing its "Universal Tariff" blueprint and Europe's Carbon Border Adjustment Mechanism (CBAM) coming into full force this year, our focus must shift from mere cost-efficiency to Supply Chain Resilience. We must de-risk our operations through localized sourcing. By transitioning toward digital inventories and 3D-printed components, we can slash lead times, bypass logistics bottlenecks.

Innovation is our best defence against uncertainty. Let us leverage innovation to shield ourselves from uncertainty.



S. Kalyanaraman,

Executive Vice President –
Industrial Machinery Business,
Larsen & Toubro Limited

As we close this fiscal year, let us commit to R&D and digital transformation, ensuring "Made in India" remains synonymous with precision and reliability. I look forward to building this future-ready industry together.

TECHNIP ENERGIES WINS BPCL REFINERIES CONTRACTS

Technip Energies has been awarded two large⁽¹⁾ contracts by Bharat Petroleum Corporation Limited (BPCL) for key projects at its Bina refinery in Madhya Pradesh and Mumbai refinery in Maharashtra, India.

The first contract covers Engineering, Procurement, Construction and Commissioning (EPCC) for new polypropylene and Butene-1 units at the Bina refinery in Madhya Pradesh. The units will produce 550 KTPA⁽²⁾ of polypropylene and 50 KTPA of Butene-1, essential building blocks for widely used products such as packaging materials, pipes and automotive components.

This contract is part of BPCL's Bina Petchem and Refinery Expansion Project, encompassing

refinery capacity increase as well as the construction of a new cracker and downstream petrochemical units.

The second contract covers Engineering, Procurement and Construction management (EPsCm) services for a 3 MMTPA⁽³⁾ Petro Resid Fluidized Catalytic Cracker Unit (PRFCC) at the Mumbai Refinery in Maharashtra. This will be India's first PRFCC unit, converting heavy refinery residues into lighter, higher-value products. The scope also includes auxiliary units along with associated offsites and utilities.

These awards reinforce more than two decades of collaboration between Technip Energies and BPCL. With a strong local presence in Delhi, Mumbai, Chennai, Ahmedabad, and Dahej, and over 50 years of operational experience in India, Technip Energies remains committed to advancing the country's energy infrastructure through large-scale and complex energy projects.

IVAMA CEO MEET 2026 – AN EXCLUSIVE DIALOGUE FOR IVAMA MEMBER CEOS

The IVAMA CEO Meet was successfully held on 23 January 2026 at the premises of Jash Engineering Limited, Indore, bringing together senior leadership from IVAMA member companies for a focused and high-level industry interaction.

A key highlight of the meet was the featured address by Professor Himanshu Rai, Director – IIM Indore, who shared valuable insights on leadership, ethics, and organizational excellence. His address provided a strong leadership perspective and set the tone for meaningful discussions among participating CEOs.



The programme also included an in-depth session on the Carbon Border Adjustment Mechanism (CBAM) by experts from Ernst & Young.

Mr. Neeraj Menon, Partner – Tax and Regulatory, and Mr. Arun Prasad C, Director – Climate Change & Sustainability Services, jointly addressed the regulatory, financial, and sustainability dimensions of CBAM, offering practical insights relevant to Indian manufacturing and exports.



An exclusive CEO Roundtable Open Forum enabled candid dialogue on shared industry challenges, regulatory preparedness, and future priorities.



The meet further featured plant visits to Unit 1 and Unit 2 of Jash Engineering, providing participants with insights into the company's manufacturing capabilities and operations.

IVAMA extends its sincere thanks to Jash Engineering Limited for hosting the CEO Meet and to all member CEOs and speakers for their active participation and valuable contributions.

STANDARDIZATION OF VALVE TESTING: A UNIFIED APPROACH FOR GLOBAL COMPLIANCE

The valve industry faces persistent challenges due to fragmented testing standards ISO, API, EN and customer-specific requirements. This complexity drives up costs, delays projects, and creates ambiguity in compliance. A unified, performance-based approach is essential to ensure safety, encourage innovation, and streamline global operations.

Why Harmonization Matters

- **Current Problem:** Manufacturers often perform multiple tests—API 598, ISO 5208, EN 12266-1—on the same valve to satisfy different regional or client specifications.
- **Opportunity:** Harmonizing these standards reduces duplication, accelerates qualification, and improves transparency.
- **Environmental Pressure:** Global regulations demand verifiable low fugitive emissions. Aligning ISO 15848, TA Luft, and API 624/641 ensures compliance across regions.

Digital Certification and Traceability

A unified system should include:

- Digitally signed test certificates with verifiable data (pressure, leak rates, cycles).
- QR codes on valve nameplates linking to tamper-proof records.
- Crosswalk metadata showing equivalence (e.g., API 598 bubble-tight = ISO 5208 Rate A).

This will simplify audits and enhance trust between manufacturers and end-users.



Ishwar Gehlot
Piping Material Lead
Adani Petrochemicals

Seat Leakage Testing: Key Comparisons

Isolation Valves (Gate, Globe, Ball, Butterfly):

- **API 598:** Requires bubble-tight for soft seats; metal seats allow limited leakage (drops/min or bubbles/min).
- **ISO 5208 / EN 12266-1:** Defines leakage rates A–G. Rate A = no visible leakage; other rates scale with valve size.
- **API 6D:** For pipeline valves, mandates zero leakage for resilient seats; metal seats reference ISO 5208 rates.

Control Valves:

- **FCI 70-2 / IEC 60534-4:** Classes I–VI. Class VI = bubble-tight; Class IV/V allow minimal leakage based on capacity or pressure.

Key Insight: ISO 5208 and EN 12266-1 harmonize closely, and API 6D increasingly references ISO leakage rates. A cross-standard matrix can map API acceptance to ISO/EN rates for global bids.

Fugitive Emissions Testing: ISO vs API

ISO 15848-1:

- Measures stem and body leakage using helium or methane.
- Tightness classes (A/B/C) and endurance classes (CO1–CO3) define performance.

Contd.....

- Referenced by TA-Luft for EU compliance.

API 624 / 641:

- Targets ≤ 100 ppmv methane using EPA Method 21.
- API 624: Rising-stem valves (310 cycles + thermal excursions).
- API 641: Quarter-turn valves (610 cycles + thermal excursions).
- Requires API 622-qualified packing.

Difference:

- ISO offers graded classifications for flexibility.
- API uses a single ppm threshold for simplicity.
- Harmonization can be achieved by mapping ISO classes to API ppm limits at equivalent cycles and temperatures.

Recommended Association Actions

- Publish Cross-Standard Mapping:
 - API 598 $\leftrightarrow$ ISO 5208/EN 12266-1 leakage rates.
 - ISO 15848 classes $\leftrightarrow$ API ppm thresholds.

- Adopt Performance-Based Test Templates:

- Define outcomes (tightness, endurance, emissions) rather than prescriptive steps.

- Implement Digital Certification:

- Standardized schema for test data, equivalency tags, and QR-enabled traceability.

- Dual-Recognition for Emissions:

- Accept ISO 15848 or API 624/641 as equivalent if cycles and temperatures meet baseline requirements.

Conclusion

Fragmented standards impose a “compliance tax” on the industry. By harmonizing seat leakage and fugitive emissions testing, shifting to performance-based methods, and embracing digital certification, the Valve Manufacturers’ Association can lead a global transformation—reducing cost, accelerating approvals, and ensuring safety and sustainability.

IDE TECHNOLOGIES WINS SIPCOT DESALINATION PROJECT IN TAMIL NADU

IDE Technologies, a leading global provider of water treatment solutions, announced the signing of a contract with the State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) for the design, construction, and operation of a new seawater reverse osmosis (SWRO) desalination plant in Tamil Nadu, India. The project, to be executed in partnership with Jindal Water Infrastructure Limited (JWIL) and Vishnusurya Projects and Infra (VPIL), will deliver 60 MLD to Mullakadu, Tuticorin in Tamil Nadu to support local water management and address growing water scarcity challenges.

“Solving water challenges for regions in need is at the core of IDE’s mission to make clean, high-quality water accessible to anyone, anywhere,” said Nayan Shah, Director, Sales & Marketing, IDE India. “Our team looks forward to working alongside our industry partners, JWIL and VPIL, to bring a new, state-of-the-art SWRO desalination plant to Tamil Nadu and to expand our global footprint in the region.”

IDE Technologies secured the SIPCOT project out of a group of three strong competitors in the market and will operate under a Hybrid Annual Model and Public Private Partnership (PPP) basis. The contract includes design and construction of the plant, and operation and maintenance of the facility for 15 years post-launch.



11-12 June 2026

Bombay Exhibition Center
Mumbai, India

- | Exhibition
- | Technical Summit
- | Practical Workshops
- | Master Classes
- | Innovation HUB
- | Roundtables

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Country Partner



Platinum Partner



Gold Partners



Silver Partners



Organised By



The 2026 edition will feature expert-led roundtables, a high-level technical summit, practical workshops, and masterclasses, as well as a dedicated Innovation Hub spotlighting next-generation valve, actuator, and flow control technologies shaping the future of industry. Purpose-driven networking sessions will connect manufacturers, EPCs, OEMs, end users, and technology leaders, fostering collaboration and new business opportunities.

Visitor registration will open shortly.



Quest Flow Controls commands a decisive position in industrial valve manufacturing across marine, defense, energy, and process industries. Vertically integrated operations deliver mission-critical solutions serving 23+ sectors with ISO-certified, type-tested systems.

KEY ACHIEVEMENTS:

- **₹110 Crore Order Book** – Surpassed ₹100Cr milestone with 3x year-on-year growth
- **Defence Validation** – Secured contracts from premier naval shipbuilders for submarines and warships, delivered first Submarine valve under Make In India Atmanirbhar Bharat through MDSL
- **Cryogenic Capability** – First LNG valve supply at -196°C operating temperature to India's largest conglomerate
- **Nuclear Qualification** – Approved vendor for national nuclear power infrastructure
- **Global Expansion** – Executed first international contract with Russian industrial entity

OPERATIONAL LEADERSHIP STRENGTHENED



Mr. Sudhir Ghalot
Vice President—Operations with 20+ years at TATA Motors, Mahindra & Mahindra, Shakti Pumps, DelVal, and Kirloskar Brothers. His expertise in supply chain, vendor management, and manufacturing scale-up will drive operational efficiency as Quest expands production capabilities.

API MONOGRAM LICENSE INITIATED

American Petroleum Institute certification process commenced—critical milestone for global Oil & Gas participation. API audit scheduled April-May 2026, certification expected June 2026. Positions Quest among elite Indian manufacturers with international recognition for critical applications.



PRODUCT INNOVATION – 15 NEW SERIES LAUNCHED

- **Centric Butterfly Valves:** RC/RF/RV series (PN10-PN20) for marine and industrial applications
- **High-Performance Butterfly:** Double eccentric D11/D12 (Class 150), Triple eccentric T32 (980°F/527°C capability)
- **Ball Valves:** Cryogenic J1S (-196°C for LNG), 4-way F1S for submarine applications, High-pressure BS6 (Class 600)
- **Actuation:** Universal lever operator Series 110



ORDER BOOK CROSSES ₹100CR MILESTONE

₹110 Crore Order Book with 3.2x growth, including ₹43+ Crores in naval defence contracts under **Make In India** initiative. New entries: submarine systems, nuclear power, cryogenic LNG, and Russia (NIPI Gas).

MARKET CATALYSTS & OUTLOOK

Indian shipbuilding market growing at **60% annually (\$1.1B to \$8B by 2033)** thanks to government push and defense spending. Our in-house approvals cut delivery time by 40%. Houston base gives us credibility to expand into Middle East, Southeast Asia, and Africa next year.



IVAMA CEO MEET 2026





Warm welcome to **THE NEW MEMBERS**



**Astec Valves & Fittings
Private Limited,
Naigaon**



**Fluorotech Engineering
Private Limited, Pune**



**Lehry Industries Private
Limited, Gummidipoondi**



**Mishka Metal Cast,
Gandhinagar**



**Orbinox India Private
Limited, Coimbatore**



**Vintaje Flow Control
Equipments Private
Limited, Pune**

IMPORTANT UPCOMING EVENTS



**February 3-6, 2026
Mumbai, India**



**June 3 - 4, 2026
Calgary, Canada**



**June 11-12, 2026
Mumbai, India**



PURCHASE OF MARKET REPORT

The third edition of the bi-annual report on the Indian industrial valves and actuators market that was unveiled at the annual conference is available for purchase.

For more details, kindly contact admin@ivama.in

About **IVAMA**spk

"IVAMAspk" is a quarterly newsletter published by the IVAMA Association, delivering valuable insights into forthcoming projects, businesses, individuals, innovations in product development, IVAMA's ongoing activities, events, and various other relevant industry specific topics.

IVAMA Association encourages its members to contribute news about their companies, appointments to senior positions, and product advancements to help ensure the success of IVAMAspk.

For feedback and membership, please contact:



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