

POST EVENT REPORT

6th Edition – InnoRail India 2024



Executive Summary

The 6th Edition of InnoRail India 2024 was successfully organized from 28–30 November 2024 at the RDSO Stadium Grounds, Lucknow. The event served as a premier international exhibition and conference platform focused on advancing modern technologies, innovation, and infrastructure transformation in the railway sector.

Organized by the Confederation of Indian Industry (CII) in association with the Research Designs and Standards Organisation (RDSO), under the aegis of the Ministry of Railways, Government of India, the event reinforced India's commitment towards modernization, safety enhancement, digital transformation, and sustainable rail infrastructure.

The three-day mega event combined a focused international exhibition with high-impact International Technical Seminars, attracting:

- Over **150 exhibitors** from India and abroad
- Approximately **250 seminar delegates**
- More than **10,000+ business footfall** over three days

The strong visitor turnout reflected the growing industry interest in railway modernization, digital transformation, and sustainable mobility solutions.

About the Organizers

Confederation of Indian Industry (CII)

The Confederation of Indian Industry (CII) is one of India's leading industry bodies with over 125 years of commitment to nation-building and industrial development. CII represents more than 9,000 direct members and over 300,000 enterprises through sectoral associations.

Research Designs and Standards Organisation (RDSO)

The Research Designs and Standards Organisation (RDSO) is the sole R&D arm of Indian Railways under the Ministry of Railways. Headquartered in Lucknow, RDSO develops standards, specifications, and testing protocols to ensure safety, reliability, and performance excellence across the railway network.

The collaboration between CII and RDSO ensures strong alignment between industry innovation and railway requirements.

Event Overview

The 6th Edition of InnoRail India 2024 was conceptualized as an integrated platform comprising:

- International Exhibition
- CII-RDSO International Technical Seminars
- Panel Discussions
- B2B & B2G Meetings
- Product Demonstrations

The event aimed to accelerate the adoption of advanced technologies and strengthen public-private collaboration within the railway ecosystem.

Exhibition Highlights

Over 150 exhibitors from India and abroad showcased innovative products and solutions across:

- Rolling stock & components
- Signaling & telecommunication systems
- Electrical & traction systems
- Track & civil engineering technologies
- AI-based surveillance and monitoring
- Predictive maintenance systems
- Metro, RRTS & high-speed rail solutions

The exhibition floor witnessed active engagement between technology providers and railway decision-makers, reinforcing India's growing position as a rail innovation hub.

CII-RDSO International Seminars on Modern Technologies & Innovations in Railways

A major highlight of InnoRail India 2024 was the **International Seminars on Modern Technologies & Innovations in Railways**, organized jointly by CII and RDSO.

The seminars provided a focused knowledge-sharing platform for industry leaders, railway officials, policymakers, and technical experts.

Inaugural Session

The inaugural session was addressed by **Uday Borwankar**, Director General, RDSO, along with other eminent dignitaries from Indian Railways and industry.

The address emphasized:

- Strengthening technological capability in Indian Railways
- Promoting safety and reliability through innovation
- Encouraging indigenous manufacturing and localization
- Accelerating digital transformation in railway operations

The session set a strong foundation for meaningful technical deliberations over the next three days.

Seminar Chair

The International Seminars were chaired by **Mangal Dev**, Director, Hitachi India Pvt Ltd and Head, Hitachi Rail India & South Asia (Green Energy Mobility).

Under his leadership, the seminars encouraged high-level discussions on global best practices, sustainability, and future-ready mobility solutions.

Key Seminar Themes

The seminars were structured around three core themes:

Technological Advancements and Innovations in Rolling Stock

- Energy-efficient propulsion systems
- Advanced braking technologies
- Lightweight materials and design innovations
- Passenger comfort and safety enhancements

Infrastructure Upgradation and Expansion in Indian Railways

- Track modernization and high-speed preparedness
- Structural monitoring systems

- Electrification advancements
- Capacity augmentation strategies

Software & Sensor-Based Condition Monitoring and Predictive Maintenance

- IoT-enabled asset monitoring
- AI-driven fault diagnostics
- Predictive analytics for maintenance planning
- RAMS (Reliability, Availability, Maintainability & Safety) frameworks

These sessions highlighted the transition from conventional maintenance models to intelligent, data-driven systems aligned with global railway standards.

Participation & Knowledge Exchange

The seminars featured:

- Around 250 participants
- Domestic and international speakers
- Technical presentations and case studies
- Interactive Q&A and expert discussions

The exchange of insights fostered strong industry–railway alignment and encouraged collaborative innovation.

Business Networking & Industry Engagement

The event facilitated:

- Structured B2B meetings
- Vendor development interactions
- Industry-to-railway consultations
- R&D collaboration discussions

These engagements strengthened supply chain integration and enhanced technology visibility among key decision-makers.

Strategic Outcomes

The 6th Edition of InnoRail India 2024 delivered significant impact by:

- Promoting digital and smart rail technologies
- Encouraging indigenous manufacturing under national initiatives
- Strengthening collaboration between public institutions and private industry
- Enhancing awareness of sustainability and green mobility solutions

The platform contributed meaningfully to India's vision of modern, safe, and efficient railway infrastructure.

Conclusion

The 6th Edition of InnoRail India 2024 successfully demonstrated the power of collaboration between CII and RDSO in advancing railway innovation.

By integrating exhibition excellence with high-level technical seminars, the event:

- Strengthened policy-industry dialogue
- Accelerated technology adoption
- Encouraged sustainable infrastructure development
- Positioned India as a global leader in railway modernization

InnoRail India continues to serve as a vital platform shaping the future of rail transportation in India.

Glimpses

