

INTERNATIONAL IRSE CONVENTION AND EXHIBITION 2026

Designing, Developing &
Manufacturing AI Driven
Next Generation Railway Control &
Command Signalling Systems for a

VIKSIT BHARAT

10th to 13th JUNE 2026

BHARAT MANDAPAM



- **Radio-Based Train Control (Kavach/ ERTMS & CBTC):**
- **Futuristic Train Control & Operations Technology (ATO, Autonomous Trains & Virtual Coupling).**
- **Smart Installation Practices for Zero Defect**
- **OT - Cybersecurity for Signalling & Telecom systems.**
- **Digital Twin Technology for Optimised Train Operations, Management & Predictive Maintenance**
- **Quantum Tech for Optimizing Logistics and Freight Operations:**
- **AI enabled 5G Connected Railways & AI Powered Ticketing Solutions**
- **Signalling & Telecom System Manufacturing, Setting up of Independent Lab for Testing and Certification o Next Generation Signalling Systems**
- **AR/ VR systems for Installation practices and testing**
- **Modern S & T System for better RAMS**
- **Functional Safety Engineering and Independent Safety Assessment and Role of AI**

Overview

Institution of Signal Engineers, Indian Section and IRSTE(India) under the aegis of the Ministry of Railways (Railway Board) are bringing out next edition of International Convention and Systems Exhibition on '**Designing, Developing and Manufacturing AI Driven Next Generation Railway Control & Command Signalling Systems for a Viksit Bharat**' to engage the International and local industry to meet the Mission of Indian Railways to achieve Viksit Bharat Goals.

A thorough understanding of digital transformation and adoption of Indian Railways Specific AI Systems, is required for expanding rail transport in today's economy. Digital Twins across all functions of Railway operations. Advanced Signalling Manufacturing, Data analytics, intelligent machines and automation are the major technologies and solutions that shall propel next generation revolution to meet ever increasing customer demand in the railway sector.

The convention would focus on the primary areas identified by the Indian Railways for local manufacturing of Modern Signalling, Telecom Systems and AI powered Safety and Security Systems This also need close collaboration with academia, technology and logistics partners for technological advancements, passenger-friendly asset creation and operations, integration for a cooperative Indian railways platform, freight consumer convenience, data analytics, cashless & contactless ticketing, Competence Development, Assessment and Certification of manpower

This Seminar and Exhibition would help in achieving Goals set for Rail based Transportation system for a Viksit Bharat by 2047.

Tentative Programme

June 10th 2026 - Inaugural Session

16:30 – 18:00 : Registration

18:15 – 19:45 : Seminar Inauguration and Inaugural Session

20:00 – 22:00 : Cultural Program & Dinner

June 11th, 2026 - Seminar Day 1 (Bharat Mandapam)

10:00 – 11:30: Session 1 / Technical Paper Presentation

11:30 – 12:00: Tea Break

12:00 – 13:30: Session 2 / Technical Paper Presentation

13:30 – 14:30: Lunch

14:30 – 16:00: Session 3 / Technical Paper Presentation

16:00 – 16:30: Tea Break

16:30 – 18:00: Session 4 / Technical Paper Presentations

June 12th, 2026 - Seminar Day 2 (Bharat Mandapam)

10:00 – 11:30: Session 5 / Technical Paper Presentation

11:30 – 12:00: Tea Break

12:00 – 13:30: Session 6 / Technical Paper Presentation

13:30 – 14:30: Lunch

14:30 – 15:30: Session 7 / Technical Paper Presentation

15:45 – 16:00: Tea Break

16:00 - 18:00: Innovations & Excellence Awards Ceremony

June 13th, 2026 – Technical Visit

10:00– 13:00: Group 1 NCRTC

10:00– 13:00: Group 2 RailTel SoC

10:00 - 13:00: Group 3 Delhi Metro

Why Participate

1. Get the first mover advantage in new & emerging AI Driven Rail Transportation
2. Reach out to the entire Railway Ecosystem
3. Demonstrate Technology Leadership
4. Get International Recognition by participating in Innovations & Excellence Award Evening

How will it Help

- Visibility & Opportunities in Indian Market
- Technology exports to Southeast Asia- Pacific & African Union
- Joint ventures for Make in India
- Research partnership in Frontier Technologies
- Competent Manpower by Competency Development, Assessment & Certification Programs (IAF, NABCB)
- Incubators in India
- Soft landing platforms
- Investors and funding
- Invest in Indian opportunities
- Competent Manpower

Who should Participate

- If you have home grown next generation technology product, platform or services
- If you are a Startup who have next generation Signalling Products or System
- Who want to access Indian market for exports
- Create new standards and Testing & Certification labs as per Global Accreditation
- If you want to find partners for a joint venture in "Make in India" mission
- Set up IRSE Accredited Competence Development & Assessment system
- Bring new AI/ Quantum based Technologies
- Looking for investment and funding to establish Signalling business

How will you Benefit

Showcase your technology capabilities, platforms and solutions to entire Indian Railway Fraternity

GLOBAL SCALE / NETWORKING / MATCHMAKING / FINDING PARTNERS / HIGH LEVEL MEETING

200+

EXHIBITORS

30

RAILWAYS/
METROS

10000

VISITORS &
DELEGATES

25

EXCLUSIVE
ACADEMIC
INSTITUTIONS

Convention Comprise Seminars and Exhibition of Products/ Systems of (For details pls visit www.irse.org.in)

1. The Futuristic Railway Signalling & Telecom Systems : Advanced Design, Manufacturing, Testing, Certification and Installation
2. Innovations adoption, Competence Development & Assessment
3. Rail Infrastructure: Advanced Signalling, Telecom and AI powered Design, Installation, Testing, Certification, Maintenance Practices
4. Transforming Metro and Regional Rail, its interoperability for passenger convergence.
5. High Speed Train Control and Command Signalling Systems
6. Way forward in implementing OT-SOCs for securing Safety and Operational Critical Rail Infrastructure, specially in Legacy Systems apart from New Technologies, Infrastructure, and Connected Networks
7. Logistics Optimisation Techniques for Freight Planning, Routing and Operations on Indian Railways with Digital Solutions for Railways .
8. Digital Tools and how the next generation technology can be used for measuring Carbon Credits
9. Development of Quantum Based Technology in various areas of Railways

Management Committee Members

Sh. Shailesh Gupta	AM /Tele / Railway Board (L/A AM/Sig/Railway Board)	7011047000
Sh. Saurabh Bandopadhyay	PED (Signal) Railway Board	9717848222
Sh. Prashant Verma	PED / S&T / RDSO / Lucknow	9725701129
Sh. Sanjai Kumar	Chairman IRSE - Indian Section & CMD, RCIL	9717644101
Sh. Anshul Gupta	Secretary Association IRSE Indian Section	9287550000
Sh. Rajeev Raghuvanshi	PCSTE / Northern Railway	9717630800
Sh. Anil Verma	Secretary IRSE – Indian Section & ED RDSO	7355928710
Sh. Manish Agarwal	MD, Siemens Mobility & Member IRSE Indian Section	9810063420
Sh. Ruchi Wadhwa	CEO, H12AI & Member IRSE Indian Section	9220416868

Sponsorship Slots For IRSE Convention 2026

Sponsors	Cost (INR)
Platinum	30,00,000
Gold	20,00,000
Silver	15,00,000
Social Evening / Lunch / Dinner	8,00,000
Delegate Kit	5,00,000
Badge	5,00,000
Advert Quarter Page	75,000
Advert Half page	1,00,000
Advert Full Page	1,50,000.00
Advert Centre Spread	2,50,000.00

Sponsors	Special Additional Benefits
Platinum	Open Space 100 Sq m + Full Page Advert + 30 Delegates
Gold	Open Space 60 Sq m + Half Page Advert + 20 Delegates
Silver	Open Space 36 Sq m + Half Page Advert + 15 Delegates

EXHIBITORS

Exhibitors	Cost (INR)
Small Booth/Stand for the event – 9 Sq m	1,50,000.00
Medium Booth/Stand for the event – 18 Sq m	2,50,000.00
Large Booth/Stand for the event – 36 Sq m	4,00,000.00
Open space for special cases – 18 Sq m	1,50,000.00
Open space for special cases – 36 Sq m	2,50,000.00

These are Pre-Fabricated Modular Stalls

DELEGATE REGISTRATION

Description	Fees (INR)
IRSE/IRSTE Members (including who fill up IRSE Membership Form and submit)	5000
Non-Members Individual	10000

GST @18% on all payments would be applicable

All sponsors shall get free slots for nominations under various categories for IRSE National Awards.

All contributions / sponsorships to be deposited in the following Account :

Account Holder Name : **IRSE INDIA CONVENTIONS**

Account Number : **923020024710608**

Bank Name & Branch : **AXIS BANK, SECTOR 14, DWARKA, NEW DELHI -110078**

IFSC CODE : **UTIB0004589**

For all event related information please contact our Official Event Organisers :

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1st IRSE India National Innovation & Excellence Award 2026 in the area of Modern Train Control, Command and Signalling

IRSE Indian Section Awards: Each year, we witness how organizations are embracing transformation by leveraging technology, fostering a safety culture, & driving sustainable growth while protecting people and the planet. Such initiatives are not only enhancing operational performance but also contributing to the larger vision of building a safer, resilient, & sustainable Railways of future. It is thus a matter of immense pleasure to present the very first Edition of the IRSE India Railway S&T Innovations & Excellence Award for S&T Engineering Companies/ Startups located in India. The IRSE India Innovation & Excellence Awards shall recognize industries that excel in Modern Railway Signaling Telecom IT & AI Technologies underscoring the critical importance of these systems. These awards encourage organizations to elevate their standards by ensuring fail safety, reliability, innovative and resilient design, development & Manufacturing as per Make in India mission and best installation practices. Thus, it shall be a platform that shall inspire organizations to achieve excellence and innovation in S&T System Design, Development Manufacturing & Installations.

The Awards recognize sustained efforts in :

- ❖ Design Signaling/Telecom System to optimize RAMS & minimize environmental impact and effect, setting a benchmark of credibility and commitment, celebrating industries that go beyond compliance to integrate excellence into their core business strategy
- ❖ Creating a safe and healthy workplace that ensures employee well-being and fosters a strong safety culture driven by leadership commitment.
- ❖ Enables cross-industry benchmarking and sharing of best practices. Enhancing safety performance and operational efficiency through continuous monitoring and proactive risk management.
- ❖ Inspires organizations to move beyond benchmarking toward path-breaking excellence in design, development, manufacturing & installation

Uniqueness of the Awards

- Expert Assessment: Evaluations are conducted & evaluated eminent industry experts
- Digital Process: A fully digital platform for applications, document uploads
- Assessment & Reporting Process : A transparent and fair methodology
- Learning & Networking: Gain practical insights on strengths & improvement areas while connecting with peers.
- Impact: Participation enhances reputation, strengthens S&T systems, and builds a robust safety culture, driving sustainable performance and risk management.

Benefits of Participation

- Learning: Stay updated with latest S&T Standards, practices, trends
- Benchmarking: Compare your company's practices with best-in-class
- Insights: Gain valuable insights through detailed and comprehensive assessment
- Recognition: Use the awards to enhance your reputation as a responsible and safety-conscious business.

Eligibility

Participation is open for Indian Independent businesses in manufacturing units or service sectors operating in India for a minimum of two years are encouraged to apply. Additionally, organizations from the construction, infrastructure, and utilities sectors, including for projects that have been in progress for not more than one year are also eligible across sectors that demonstrate a strong commitment in the categories of (1) RAMS assurance at field level, (2) Optimization of train operation , (3) Sustainable innovation, (4) Competence Development for adopting best Installation practices as per Global practice, (5) Technology for enhanced passenger experience, (6) Adoption of AI / Quantum Tech/ OT Cybersecurity Standards in the design of products/ systems.

Conflict of Interest: Organizations represented by the any of Award Committee are also eligible to apply. However, to ensure transparency and fairness, the respective committee member from that organization will not be involved in the Winner Selection Process.

Timelines

Details	Phase
Application, Registration & Submission	Till 20 th May 2026
Assessment Report Review	20 th to 30 th May 2026
Virtual Presentation	1 st to 5 th June 2026
Winner Selection Process	6 th to 8 th June 2026
Award Ceremony	12 th June 2026

Pls contact at awards@irse.org.in, 9287550000, 9582672441