



e2E RAIL

RAIL ENGINEERING UNLEASHED



S&T | ELECTRIFICATION | PRIVATE SIDINGS

PWAY-TRACK

e2E Rail is India's first PE-backed Railway Systems Integrator, with 14 years of unparalleled expertise in Signaling & Telecommunication (S&T) and a proven track record in the design, supply chain, and installation of railway systems across Mainline and Metro lines.



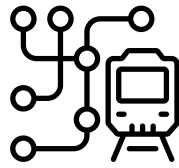
At e2E Rail
we are more than just a
service provider; we are
partners in progress.



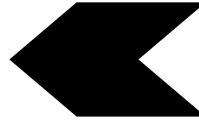
Founded in
2010

by a group of
Railway
Professionals.

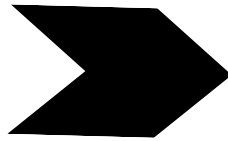
Leading System
Integrator for Railway
Engineering.



2150 Km
RAIL NETWORK
MANAGED



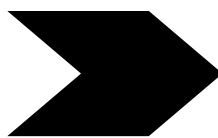
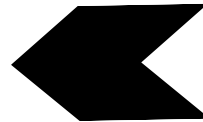
OUR VALUES



155
PROJECTS
EXECUTED



400+
TEAM OF EXPERTS



65
CLIENTS
SPREAD OVER
14
COUNTRIES

*Only Signaling
Integration
Company in the
revenue category
INR 500 Cr to
provide end to end
rail engineering
services.*



SAFETY



INTEGRITY



EXCELLENCE



INNOVATION

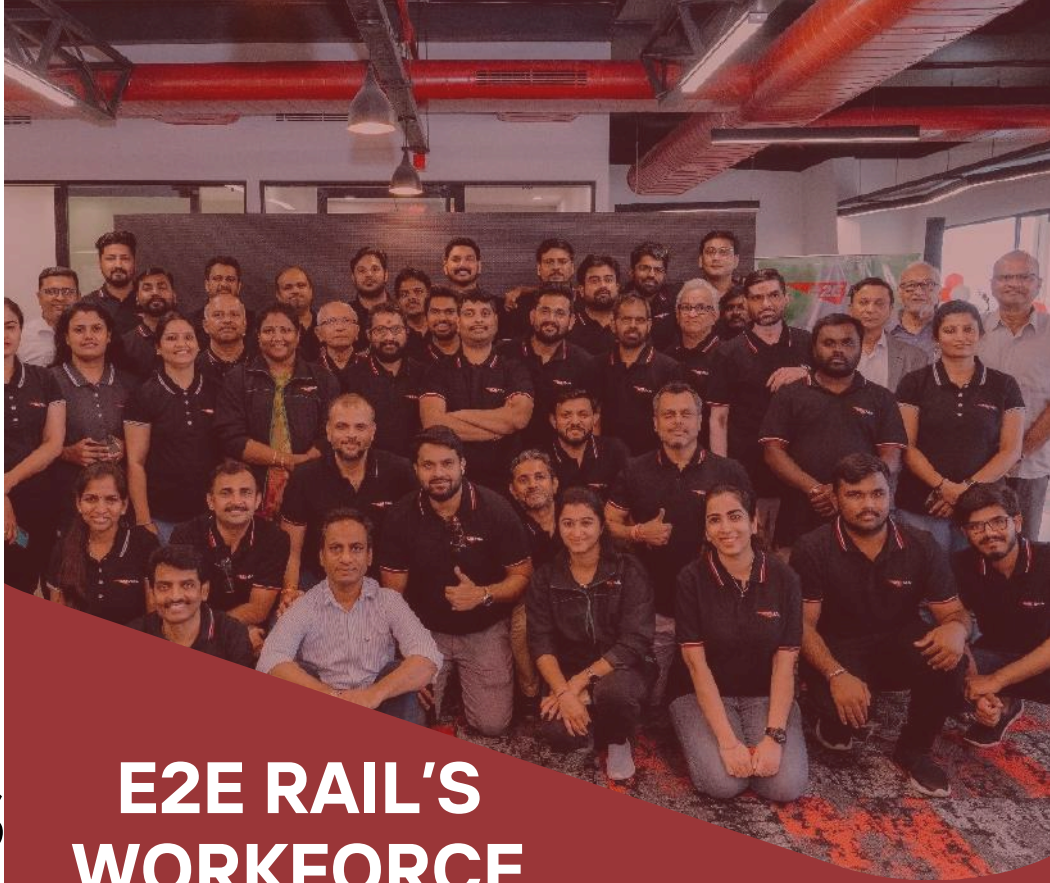


RESPONSIBILITY

A
TEAM
OF

400+

EMPLOYEES



E2E RAIL'S WORKFORCE

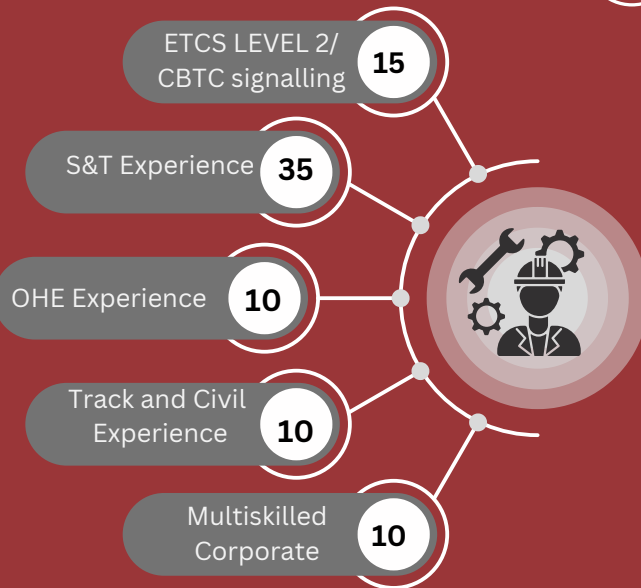
RAIL ENGINEERING UNLEASHED.



200+

YEARS OF
SENIOR
LEADERSHIP
TEAM
EXPERIENCE

Years of
experience



Engineers
Employee
Mix

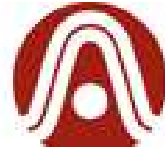
CLIENT BASE

e2E RAIL



Presence in India

"From the bustling metropolises to the remotest regions, e2E Rail has consistently demonstrated its capability to execute projects of varying scales and complexities with unmatched precision."



ALSTOM



दिल्ली मेट्रो रेल कॉर्पोरेशन लिमिटेड
Delhi Metro Rail Corporation Limited

SIEMENS



TATA



IRITES
THE INFRASTRUCTURE PEOPLE
Government of India Enterprise

THALES

OUR INVESTORS

e2E Rail proudly stands as India's first private equity-backed railway systems integrator, with the strategic investments from **Mukul Agrawal, Zephyr Peacock India, Ventureast and various other Marquee Investors.**



Mukul Agrawal is a renowned investor and financial expert with a notable presence in the Indian investment community. He is well-known for his role as a prominent investor in various high-growth companies across diverse sectors. With a strong background in equity investing and a keen understanding of market trends, Mukul has consistently demonstrated a talent for identifying and supporting promising ventures.

Mukul Agarwal has recently joined e2E Rail as an investor, bringing with him significant industry experience and a strategic perspective. His investment is a testament to his confidence in e2E Rail's innovative solutions and growth potential in the rail industry.



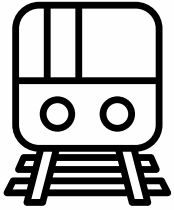
Ventureast, one of the most experienced venture capital firms in India, has been a key partner in our growth journey. Their deep knowledge of scaling businesses across various sectors has empowered e2E Rail to remain at the cutting edge of the industry, delivering innovative solutions that address the evolving needs of our clients.



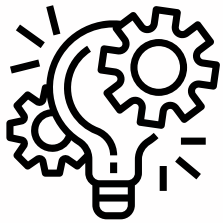
Zephyr Peacock India, a global private equity and venture capital firm has played a pivotal role in supporting e2E Rail's expansion, leveraging their expertise in growth capital to help us enhance our technological capabilities and broaden our footprint.



*Global Leadership in Railway
Signaling & Telecom
Systems Integration*



*Pioneering 'Make in India'
Initiatives in Rail
Infrastructure*



*Advanced Technological
Integration in Signaling and
Communication*



*Unwavering Commitment to
Safety and Operational
Excellence*



*Sustainable Technological
Development and
Environmental Stewardship*

VISION



Mr. Sourajit Mukherjee
Director
&
Chief Executive Officer





ONLY
Company in
<1000 cr. with
credential in
entire railway
Infra , S&T,
Electrification
and Civil



ONLY
PE owned &
professionally
managed
Rail Infra
Solution
organisation
in India



USP

ONLY Company with full scale
automated supply chain solutions for
rail industry



**Significant IP on
procurement,
execution and
financial
engineering,
based on the 14+
years of
experience.**



**Strong
unblemished
credentials and
capabilities:
Resulting in
market
positioning as a
trusted partner
for global OEMs.**

Our Expertise



**SIGNALING
&
TELECOM**



ELECTRIFICATION



**PRIVATE
SIDINGS**



Our Deliverables



**OPERATIONS
&
MAINTENANCE**



**SYSTEM
INTEGRATION**



**SUPPLY
CHAIN
SOLUTIONS**



**DESIGN
&
ENGINEERING**



**MANAGED
PRODUCT
SERVICES**

Business Verticals



B2G

- *Ministry of Railways*
- *Zonal Railways*
- *Specialised Rail Organisations*
- *Railway PSUs*
- *Railway SPVs*



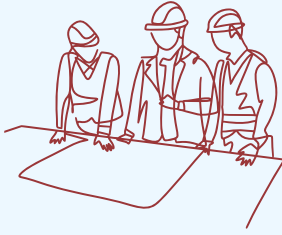
B2B

&

Private Sidings

- *Urban Transit*
- *Cement Plants*
- *Steel Plants*
- *Power Plants*
- *Ports*
- *Ferrous/
Non-ferrous*

OUR SERVICES



Design

- Network & System Design
- Component Designs
- Installation Plan



Engineering & BOQ Derivation

- Product Specification & BOM
- Identification of Product Mix
- Derivation of BOM



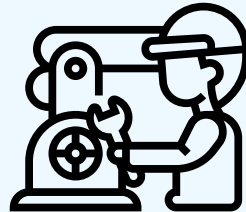
Procurement & Sourcing

- Supplier & Subcontractor Management
- Planning & Budgeting
- Order Placement



Supply & Logistics

- Order Tracking & Approvals
- Logistics management
- Stores Management



Installation & Integration

- Field Installations
- System Integrations
- Client Certifications



Inspection & Approvals

- QAP/ 3rd Party Inspection
- Stage-wise & Site Inspections
- Consultant and End Customer Approvals



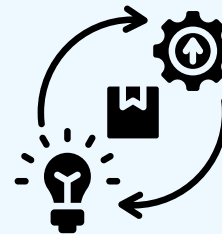
Testing & Commissioning

- FAT
- Field Trials
- Integration Tests & Trial Runs
- Commissioning



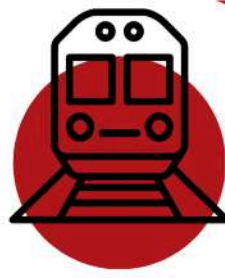
Warranty & Maintenance

- Snags Rectification
- DLP Maintenance
- Spares & Consumables during warranty period



Product Development

- Concept & Design
- Engineering
- Proto-type
- Manufacturing
- Verification & Validation
- Installing, Testing & Commissioning



e2E RAIL

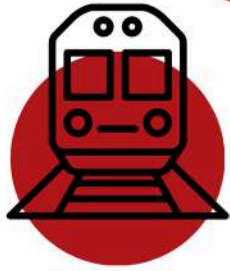
Capabilities

SIGNALING & TELECOMMUNICATION

*DESIGN
&
ENGINEERING*

*SYSTEM
INTEGRATION*

*OPERATIONS
&
MAINTENANCE*



e2E RAIL

SIGNALING & TELECOMMUNICATION



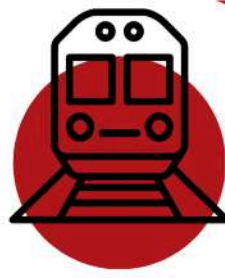
TECHNOLOGY

- *EI/PI/RRI*
- *ABS*
- *KAVACH*
- *CTC*
- *CBTC*
- *ETCS*
- *TPWS*

SERVICES

- *Design
& Engineering*
- *Procurement*
- *Installation*
- *Testing &
Commissioning*
- *Maintenance*





e2E RAIL

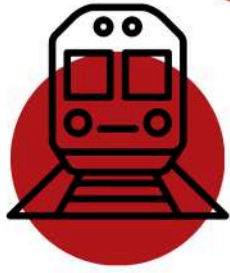
Capabilities

ELECTRIFICATION

*DESIGN
&
ENGINEERING*

*SYSTEM
INTEGRATION*

*OPERATIONS
&
MAINTENANCE*



e2E RAIL

ELECTRIFICATION EXPERTISE



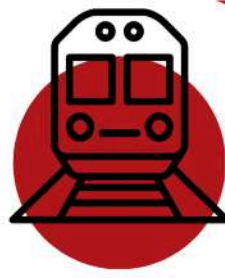
TECHNOLOGY

- *1 X 25 kV AC OHE*
- *2 X 25 kV AC OHE*
- *Traction
Substation (TSS)*
- *Supply Control
Post(SP/SSP/ATS/
PP)*
- *SCADA*

SERVICES

- *Drawings &
Designs*
- *BOQ*
- *Verification &
Validation*
- *Procurement*
- *Civil Works*
- *Installation*
- *Testing &
Comissioning*
- *PSI maintenance*
- *OHE maintenance*





e2E RAIL

Capabilities

PRIVATE SIDINGS

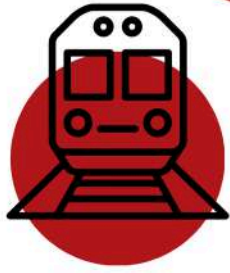


PMC

*SYSTEM
INTEGRATION*

*OPERATIONS
&
MAINTENANCE*

*TURN KEY
END TO END*



e2E RAIL

Private Sidings EXPERTISE



TECHNOLOGY

- *Signaling
(EI/CTC/RRI/PI)*
- *Electrification
(1 X 25 kV AC OHE/
2 X 25 kV AC OHE/
TSS)*
- *Track (Ballast-less/
Ballast & Pit line)*
- *Civil & Formations*
- *Bridges & Culverts*

SERVICES

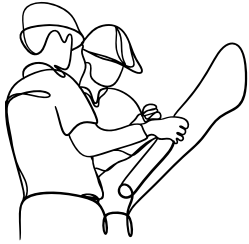
- *Survey & Feasibility*
- *ESP*
- *Track Modeling*
- *Track structure testing*
- *Turnout Design*
- *Track geometry & Curve
Alignment*
- *Procurement &
Installation*
- *PMC and tendering*
- *RAMS*
- *DPR*
- *BOQ/Estimation*
- *Maintenance of
ballastless and tracks.*
- *Maintenance of Points &
Crossings.*





*ENGINEERING
DESIGN
&
RESEARCH
CENTRE*





OUR TEAM

30+

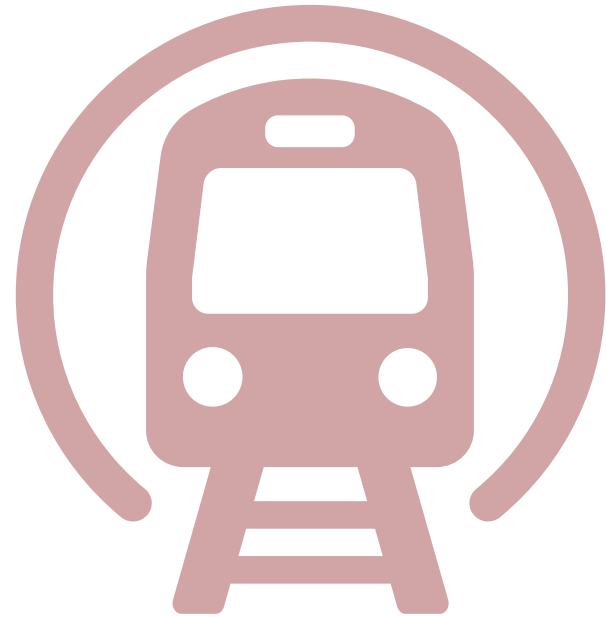
**SPECIALISED
DESIGNERS**

120+

**YEARS OF
EXPERIENCE**

15+

**IN HOUSE
TOOLS**



OUR DELIVERABLES

INPUTS

- *ESP (Engineering Scale Plan)*

OUTPUTS

- *TOC (Table of Control)*
- *SIP (Signaling & Interlocking Plan)*
- *IFC (Interface Design)-Indoor & Outdoor*
- *ALC (Application Logic Circuit)*
- *VDU (Visual Display Unit) Layout*



**DESIGN
CENTRE
FOR
ELECTRONIC
INTERLOCKING**



OUR TEAM

30+

**KAVACH 4.0
DESIGNERS**

10+

**IN-HOUSE
TOOLS**

150+

**YEARS OF
EXPERIENCE**



OUR DELIVERABLES

- *RFID Tag/ TIN layout*
- *KAVACH Table of Control*
- *KAVACH Track Profile
Table*
- *KAVACH TSR Route Table*
- *RFID TAG Data*
- *KAVACH Database*
- *KAVACH Application
logic*
- *KAVACH Simulation Panel*
- *KAVACH Interface circuits*
- *KAVACH NMS Design*

**DESIGN
CENTRE
FOR
KAVACH**


PRESENCE




**GATI
SHAKTI
366 Mn**



**MISSION
RAFTAAR
967 Mn**




**PRIVATE
SIDING
EXPANSION
767 Mn**




**SIGNALLING
MODERNISATION
645 Mn**



**OHE
2 X 25 KV
114 Mn**



**DOUBLING
554 Mn**



**METRO
SIGNALLING
AND PSD
140 Mn**



**NEW
TERMINAL
89 Mn**



**GAUGE
CONVERSION
105 Mn**

All figures are in INR Millions



e2E RAIL

MANAGED PRODUCT SERVICES
&
STRATEGIC PARTNERSHIPS

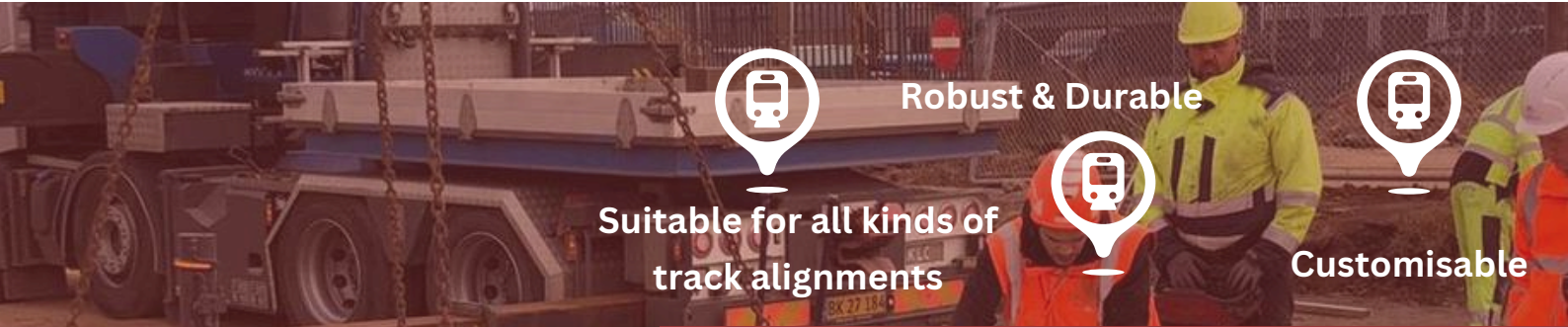




STRATEGIC PARTNERSHIPS

*e2E Rail has been empaneled as
“Business Partner for System
Integration of Telecom & ICT”
specialization in
Railway Signaling
with
Navratna PSU
RailTel Corporation India Ltd.*

GLOBAL SUPPLIER OF BALLAST-LESS TRACK SYSTEM



Robust & Durable



Suitable for all kinds of track alignments



Customisable



**STRATEGIC
PRODUCT
PARTNERSHIPS**

edilon)(sedra Corkelast®

LCS-350

***NEXT GENERATION
Level Crossing System***

introducing

EMBEDDED TRACK SYSTEM

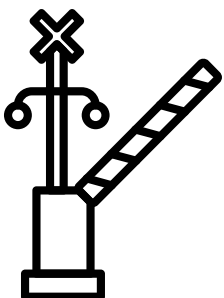


Maintenance-free service.

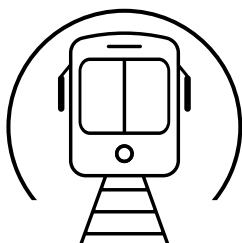


Prevention of water ingress effects

APPLICATIONS



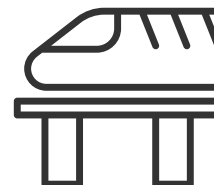
**LEVEL
CROSSING**



**METRO
TRACK**



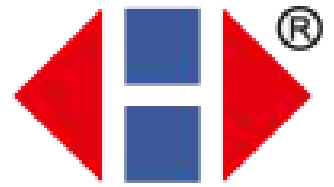
DEPOTS



BRIDGES



**WASHABLE
APRON**



HEX

AN ISO 9001 COMPANY

OUR DELIVERABLES

- **CABLE TERMINAL ENDS & INLINE CONNECTORS: For Railway**
- **Maintenance Free Earthing as per RDSO Specification: RDSO/SPN/197-2008**
- **Class A Type Lightning Protection System & Accessories**
- **Class B,C & D Type SPD**
- **OHE Fittings as per CORE**
- **HEXWELD- Exothermic Welding System**



**STRATEGIC
PRODUCT
PARTNERSHIPS**

e2E/RAIL



e2E RAIL

LEARNING & DEVELOPMENT VERTICAL





OUR COURSES

includes

1. Classroom lectures or Online classes led by experienced faculty
2. Presentations
3. Audio – Visual interactive sessions
4. Project assignments at Project work sites
5. Case Study
6. Evaluations and Feedback
7. Certification

E2E Rail Village is the **Learning & Development (L&D) vertical** of e2E Rail and stands as the **only in-house initiative by a private company to bridge the skill gap in the railway industry, particularly in Signaling & Telecommunication (S&T).**

Our nationally recognized training institute is renowned for academic excellence, offering a blend of theoretical knowledge and practical skills that perfectly align with industry demands.



QHSE

Our Pillars of Excellence

At E2E Rail, QHSE is not just a policy—it's a way of life. Our integrated approach ensures that every project is executed with the highest standards of quality, safety, and environmental stewardship, building a safer and more sustainable future for all.



e2E RAIL

SIEMENS: Certificate for Appreciation

*Our dedication to safety excellence was recognized with the prestigious **Siemens Certificate for Appreciation for Safety Award for the Chennai Metro Project (2018).***

*This honor was awarded for achieving an incredible milestone of **20,00,000 Safe Man-hours** without Lost Time Injury during the critical stages of the project (Stage-1, 1A, 2A & 2B, Package ASA-01).*

THANK YOU

Join e2E's journey to build a
GREEN-ER
tomorrow.

**ETOE TRANSPORTATION
INFRASTRUCTURE LTD**

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