



Modern Railtech

**Serving the Railways,
Our Way to Serve the Nation**

Corporate Headquarter

Modern Railtech Equipment Manufacturers Pvt. Ltd.



At **MODERN RAILTECH**, we look far ahead to see and shape the future of mobility. Our products, our people and our approach to business are always at the highest standards. As an ISO9001 based company our goal is to continuously upgrade in all sectors to bring in better processes. We build quality into our products by implementing state of art designing, end-to-end manufacturing and quality support to our customers across the country.

An ISO 9001:2000 Company

Modern Railtech is an ISO 9001:2000 certified company focused on manufacturing and supplying high-end products for Indian Railways.

Collaborated with World Leaders

Modern Railtech has collaborated with world technology leaders from Italy, Germany, and the USA to ensure the highest quality standards in its products.

Manufacturing Locations

Modern Railtech has three manufacturing locations, including the Budge Budge and Tangra Factory, and the Salt Lake R&D Centre cum factory.

Future of Mobility

We look far ahead to see and shape the future of mobility. Our products, our people, and our approach to business are held to only the highest standards.



Products Range



We have designed and manufactured various Mechanical, Electrical and Electronics products for application on locomotives, coaches. We focused in designing and engineering our products to meet rolling shock specification as per IEC60571 that is typical for harsh locomotive and coach environment. Our strength lies in designing, customizing and integrating systems that involve multiple functional domains such as control electronics and mechanical construction.



Switch Board Cabinet Electrical Panel

All the power/control switchgear for lighting, AC, pantry, pump control, sanitary and public address system of LHB type AC EOG/HOG Coaches suitable for 3 phase, 750 volts AC, 50 Hz system.



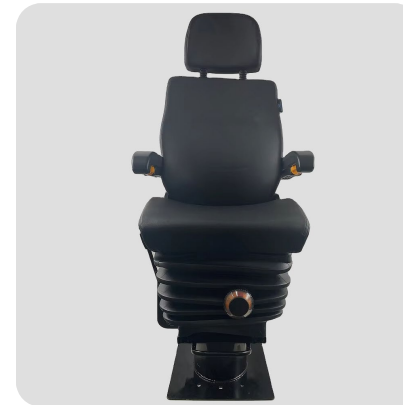
Electronic Speedometer

Microprocessor based Electronic Speed Recording, Indicating & Energy Monitoring System for application on Conventional A.C. Tap Changer and Three Phase Locomotives.



Smart Switch Board Cabinet

Control, monitoring and HMI for power/control switchgear for lighting, AC, pantry, pump control, sanitary and public address system of LHB type AC EOG/HOG Coaches suitable for 3 phase, 750 volts AC, 50 Hz system.



Driver's Seat

Comfortable and rotating seats for Loco Pilot. Optimum seat ergonomics crucially improves working conditions and helps to preserve crew health, thereby, ensuring alertness and cognizance of the crew.

Products Range



We have designed and manufactured various Mechanical, Electrical and Electronics products for application on locomotives, coaches. We focused in designing and engineering our products to meet rolling shock specification as per IEC60571 that is typical for harsh locomotive and coach environment. Our strength lies in designing, customizing and integrating systems that involve multiple functional domains such as control electronics and mechanical construction.



HMI and Control Device for SBC Panel

18.5" Capacitive Touch Based
Standalone Controller for Smart Switch
Board Cabinet.



Regulated Battery Charger

Regulated Battery Charger for Indian Rail. IGBT based and DSP controlled Battery Charger suitable for on-board mounting on LHB type coaches working on a nominal input supply.



Feeder Junction Box

Transmission of 3 phase, 5 wire
750Vm 50 Hz power supply from power
car to rake/coaches (LHB pattern)
working on End on Generation System.



SB Panel

Auxiliary Supply Panel (HB1, HB2)
controls the input to Auxiliary Assemblies
of Locomotive like Machine Room Blower,
Compressor, Crew Fan, Cab Heater etc.
SB1, SB2 Control Panel used to control
Pantograph, Traction Converter, Auxiliary
Converter, Pneumatic Panel.

Products Range

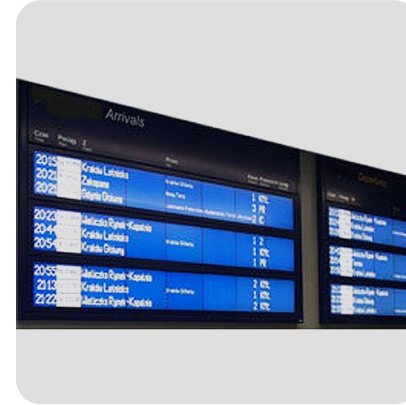


We have designed and manufactured various Mechanical, Electrical and Electronics products for application on locomotives, coaches. We focused in designing and engineering our products to meet rolling shock specification as per IEC60571 that is typical for harsh locomotive and coach environment. Our strength lies in designing, customizing and integrating systems that involve multiple functional domains such as control electronics and mechanical construction.



Wind Screen

The Windscreen Defogger prevents the fogging of windscreen in rainy and winter seasons by heat generation by a clear resistive film, which is pasted on the windscreen, thus maintaining the clearness of the windscreen.



Passenger Information System

Passenger Information System for coaches is an automated system for supplying users of public transport with information about the nature and the state of a public transport service through visual, voice or other media.



ZS Coupler

IV Coupler for Indian Railways. High capacity Inter Vehicular Coupler for use in LHB type rake having 24 numbers EOG type coaches to enhance the current carrying capacity of the inter vehicular coupler up to 500 Amps.



Oil Cooling Unit

Oil Cooling Unit (OCU) with Centrifugal Design Impellers for transformer/converter fitted in 25 KV AC/50 Hz 3 phase drive electric locomotives for Blower casing, Mounting Base & Blower including 3 Phase asynchronous motor.

At Modern Railtech

We are committed to excellence in everything we do. We strive to maintain the highest standards of quality, safety and reliability in our products and services, and we continuously invest in research and development to stay at the forefront of the industry. As a responsible corporate citizen, we are committed to sustainability, diversity and inclusion, and we uphold the guiding principles of trust, integrity, and transparency in all our interactions with our stakeholders. Our goal is to make a positive impact on the environment, society and economy, and to contribute to the growth and development of the railway industry in India and around the world.

Our Mission and Vision

Our mission at Modern Railtech is to design, develop, and manufacture world-class railway products and solutions that cater to the diverse needs of our customers. We are committed to leveraging the latest technologies and innovation to create products that are safe, reliable, sustainable, and cost-effective. We aim to provide our customers with exceptional service and support, ensuring that their needs are met at every stage of the product lifecycle. We are dedicated to fostering a work environment that empowers our employees to reach their full potential and thrive in an atmosphere of excellence.

Our vision at Modern Railtech is to revolutionize the railway industry by providing innovative and sustainable solutions that enhance the safety, efficiency, and comfort of railway transportation in India and beyond. We strive to be the preferred choice for our customers by consistently delivering high-quality products and services that exceed their expectations, while also contributing to the growth and development of the Indian economy.



Our Facilities, Plant & Machineries



Manufacturing and Supplying High-End Products for Railways



Rolling Stock



Railway Products



Design, Customize, Integrate



Our Business Partners



Vishay, Germany



Schmersal, Germany



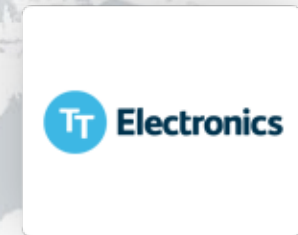
S.T.E srl, Italy



TE Connectivity, USA

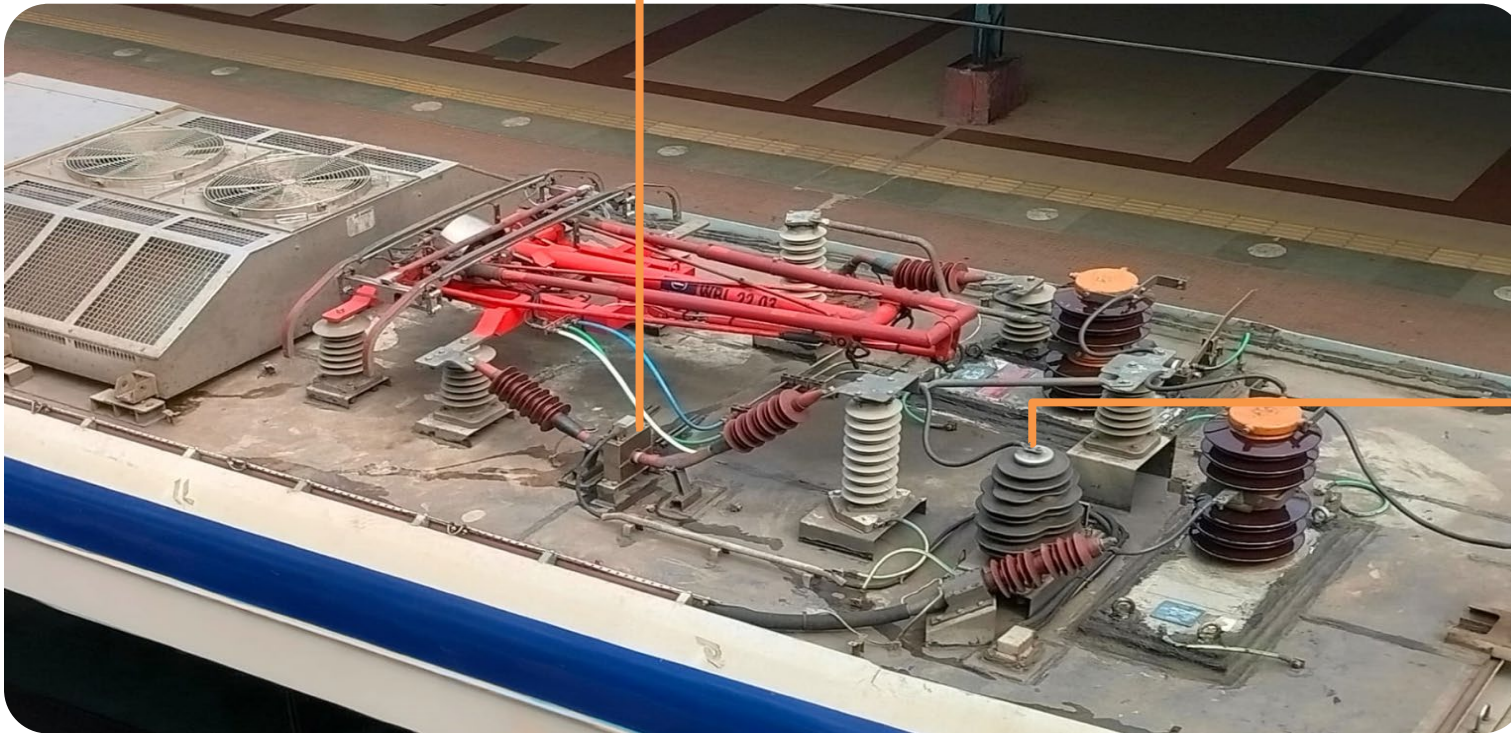


NKE, Austria



TT Electronics, UK

Products for Vande Bharat in collaboration with S.T.E. Italy

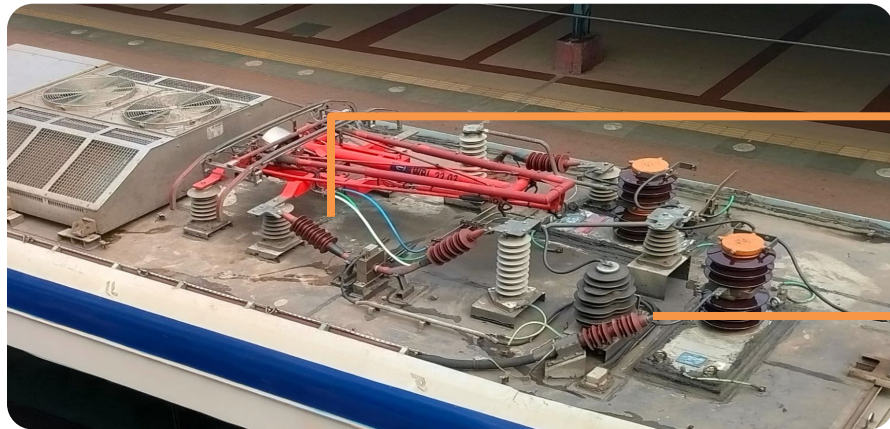


Current Transformer



Potential Transformer

Products for Vande Bharat in collaboration with TE Connectivity



HVCA reqd. For interconnection between pantograph and surge arrester in TC

HVCA one end rigid termination and other end semi rigid termination for TC coaches



HV inter Car Jumper Cable 95 sq.mm



HT Cable complete for train-18 from roof to transformer



HVCA both ends semi rigid termination reqd. for MC and NDTC coaches

Vishay Products used in Indian Railways



| 3-Ph Electric Locomotives

Vishay is an approved source for various capacitors in Indian Railways. Vishay is currently the only approved source for 66.6 μ F Capacitor for Locomotive application.

| Coaches and Metros

- Various Resistances and diodes.



66.6 μ F Capacitor

Other Products for Railways

Electronics

- Metallic Circular Connector from AB Connectors (ATT Electronics Company)
- Currently supplying to Alstom for RRTS project
- Cable Harness



Metallic Circular Connector



Cable Harness

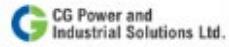


- Different types of Bearing for traction motor, suspension tube bearing, spherical roller and tapered bearing etc. from NKE, Austria



Bearings

Our Happy Customers



Chennai Locomotive Works



Western Railway



Locomotive Works



Integral Coach Factory,
Chennai



Patiala Locomotive Works, Patiala
(Formerly British Loco Modernisation Works, Patiala)
Indian Railways, Government of India



Get In Touch With Us

Modern Railtech Equipment Manufacturers Pvt. Ltd.

| Registered Office

71 Park Street, Park Plaza,
North Block, 7th Floor
Kolkata - 700016, West Bengal, India

| Research and Development Centre

Stesalit Towers
E2/3, Block GP, Sector V, Salt Lake
Kolkata - 700091, West Bengal, India



Email Address

office@modernrailtech.com



Phone Number

+91 98300 65962



Website

www.modernrailtech.com

