



**COMPANY
PROFILE**

SJM RAIL SIGNALLING

COMPANY OVERVIEW

Established in 2012, SJM Rail Signalling has quickly cemented itself as the go-to company in Railway Signalling Management. A combination of expertise, hands-on knowledge, timely project management delivery and the utmost professionalism is provided with every project undertaken. Our qualified, industry-recognised team is proficient in designing, installing, testing, commissioning and maintaining across all signalling technologies.

Focusing on delivering capital works and maintenance packages, SJM Rail Signalling provides Rail Operators a complete solution to turnkey signalling installations, maintenance and support.

The team at SJM Rail Signalling has over 20 years experience in the Rail Construction industry working on a wide range of high profile rail infrastructure projects. The team have hands-on knowledge and world class skills. They deliver the highest level of quality in installation, design and testing. "No Harm" on time and on budget is what SJM Rail Signalling is all about.

SJM Rail Signalling are committed to providing the highest level quality of design, installation and testing using our talented and experienced staff.



SERVICES

PROJECT DEVELOPMENT

As part of our expertise, SJM Rail Signalling offers services throughout the project life-cycle from conceptual drawings and specifications, detailed Site Surveys, conduit runs with cable allocations along and associated signal infrastructure positioning. This enables the nominated Client to have a fully comprehensive scope of works helping reduce implementation variations upon the commencement of the works.

Additional to this, SJM Rail Signalling has in-depth experience coupled with the insight from Original Equipment Manufacturers supplying a unique service. We are able to deliver a full Bill of Materials along with budget estimates for all signalling aspects of any size project, in any location inclusive of all FAT and SAT.

This service also includes the expected staff levels, length of proposed commissioning (inclusive of principle testing) and expected duration of the project from the first foot on the ground to the last.

SIGNALLING & INSTALLATION

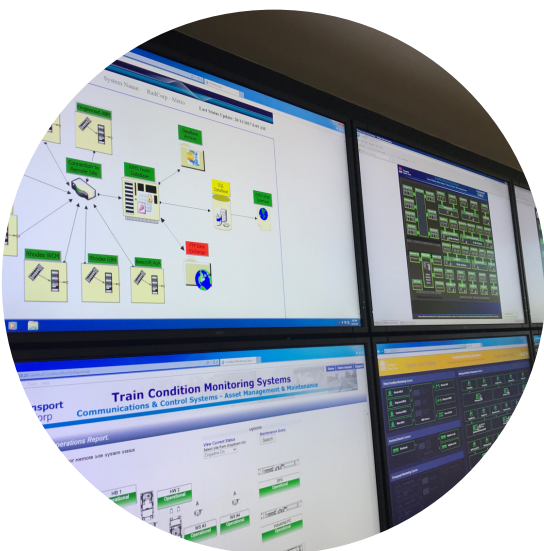
SJM Rail Signalling prides itself on providing clients state of the art delivery mechanism tailored around project specific requirements. We can provide a turnkey solution from creation of the Site integrity agreement, provision of relevant signalling works package to creation of 'As built' Detailed Site Survey's.

SJM Rail's installation division has recently been established to meet the demands of the market and the desire of our customers to procure a one stop shop signalling solution

Typical works include but are not limited to:

- Project Management and provision of dedicated workforce accredited to undertake the roles and responsible set down by the client as directed by the onsite SJM representative.
- Correlation and site surveying requirements
- Points renewal and Turnout replacement
- Procurement and installation of required signalling infrastructure as per client requirements.
- All Civil and mechanical requirements from installing pit and pipe to running channel iron and ground frames
- Termination and testing of all signalling infrastructure

SJM Rail Signalling can manage all project management aspects to liaise with clients requirements along with creation and management of dedicated programs. As part of a turnkey solution SJM Rail Signalling can also, through our alliance partners, provide signalling design from concept to detail, inclusive of signalling and operational functional specifications.



Delivering Rail Signalling Excellence

WAYSIDE TECHNOLOGY

Using specialised Wayside system technicians and Signalling electricians, SJM Rail Signalling can provide a holistic approach to Network operators Rail Systems environments, providing a one stop shop approach to the maintenance of signalling and wayside assets which adds value and reduces cost for Rail Operators.

By providing experienced and dedicated staff SJM Rail Signalling can undertake scheduled routine maintenance on common Wayside Systems including, Hot Bearing Detection, Hot Wheel Detection, Wheel Impact Load Detection, RFID readers, Acoustic Bearing Monitors and Dragging Equipment Detector Systems amongst others working from in-house specific process and instruction.

Services include removal and reinstallation of these systems during track reconditioning and re-railing; our team also has experience working embedded in rail operators to assist with maintenance during operations or design tasks during bid and commissioning phases.

The SJM Rail Signalling team has substantial experience with Wayside suppliers back-end applications and databases as well as most commercially available ICT systems; services include infrastructure support, site installation and commissioning as well project management.



SJM are a registered supplier to ARTC and are the local voestalpine Signaling DMT Infra monitoring solution partner and can offer customised wayside system solutions to suit the unique requirements of Australian Rail Operators.

SJM Rail has full access to the broad range of condition monitoring technologies to assist Rail Operators in increasing system safety and reliability whilst also collecting valuable data on fixed infrastructure and rolling stock to improve asset performance.

These systems can be fully integrated or standalone which can to reduce the total cost of system ownership.

SJM rail in conjunction with voestalpine Signaling is pleased to offer turn key solutions for:

- Hot Bearing Detector (HBD) and Hot Wheel Detector (HWD) Systems
- Dragging Equipment Detector (DED) System
- Automatic Equipment Identification (AEI) Reader System
- Local Radio Notification (LRN) System
- External Notification System (ENS)
- Trackside Acoustic Detection System (TADS)
- Dynamic Image Detecting System for Running Faults of Freight Trains (TFDS)
- Flat Wheel and Hot Box Tracking & Detecting System
- Technical Management Information System for Freight Trains (HIMS)
- Automatic Train Washing Machine

The partnership of SJM and voestalpine Signaling provides customers with dedicated Australian rail staff experienced in the installation and servicing of signalling and wayside system assets whilst also being backed by R&D teams of mechanical, electronics, automation, system and control, computer and optical engineering professionals both locally and internationally.

TESTING & COMMISSIONING

SJM Rail Signalling can undertake and provide all FAT and SAT testing along with all pre wiring and cable testing. Through our Alliance partners we can enable the full turnkey solution implemented with provision of principle testing along with use of a designated simulator prior to any major works occurring. This enables most errors to be designed out prior to the commissioning commencing. Pre, during and post commissioning our team can provide onsite support whether it is under or alongside independent contractors or direct engagement with client.



TECHNOLOGY SERVICES

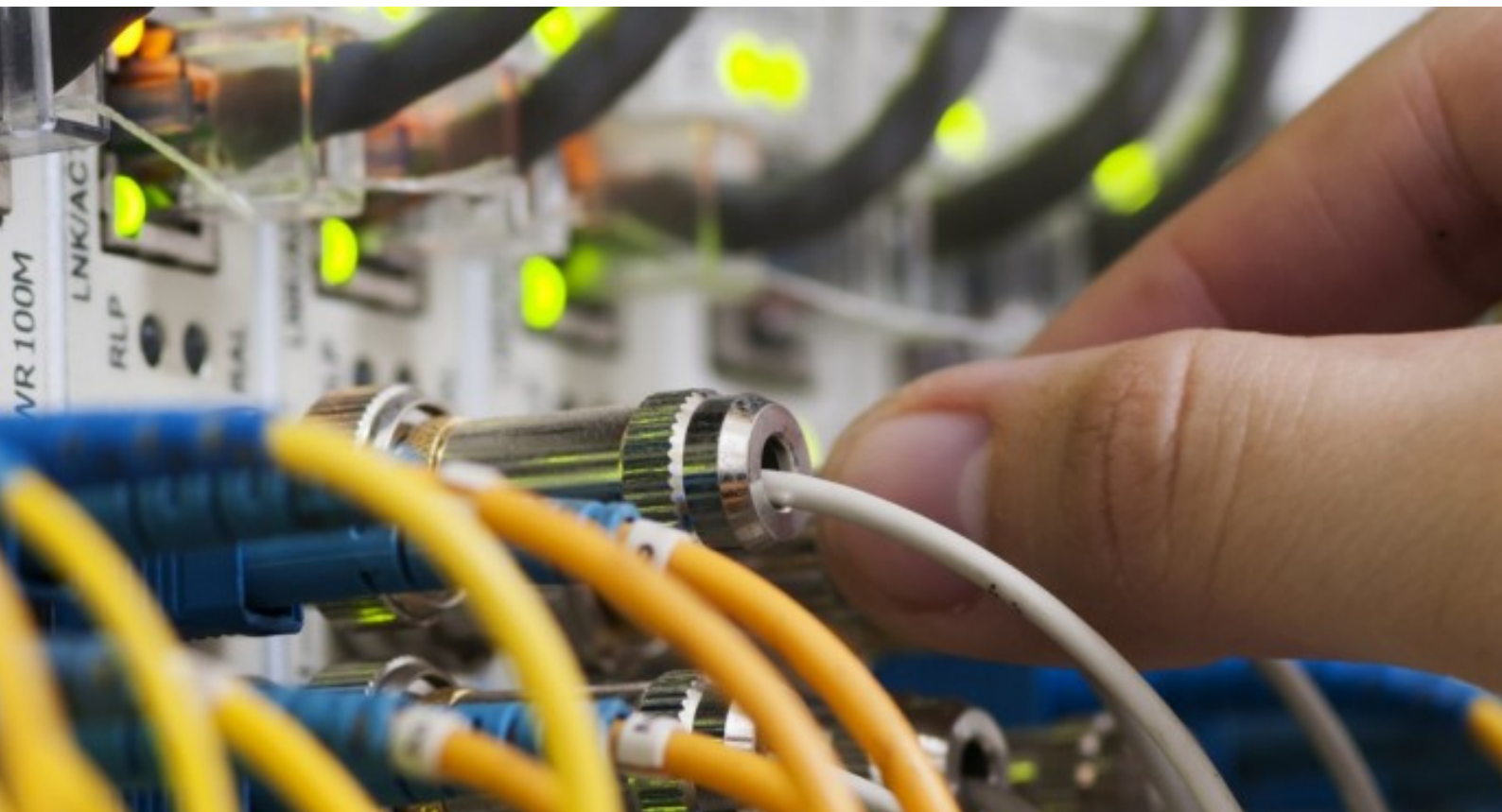
Technology has become ubiquitous across modern Railways; as the Signalling System ages and is replaced, the environment becomes more reliant on Digital technologies.

These technology system architectures and platforms have provided signalling systems in the field and the control centre an added level of product complexity.

SJM Rail can provide design, installation and configuration services for Rail technology platforms and products including IP Networking, Servers, Workstations, Industrial Ethernet, Wireless telemetry, Monitoring Sensors and associated software applications.

These value-add services include procurement, site installation, configurations as well as routine maintenance and upgrades based on Operator or OEM requirements.

For trackside installations SJM Rail can provide telecommunications cabling over Fibre Optical, Copper and Co-Axial mediums to facilitate data transfer for Rail Operator Signalling and Telecommunications networks.



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CLIENTS

