

Productivity improvement for a more efficient and safer rail industry

By laying the digital foundations to support
effective Maintenance Repair and Overhaul
(MRO) and asset management

Effective digitisation of all parts, components
and assets in the rail supply chain begins with
standardised and harmonised identification



What is Project i-TRACE?

Project i-TRACE was initiated by the rail industry to digitise inventory management, automate all steps in the supply chain and provide critical information throughout the life cycle of a product, part or component.



Industry-wide productivity

Current rail industry processes are manual and bespoke, resource hungry, prone to error and inefficient.

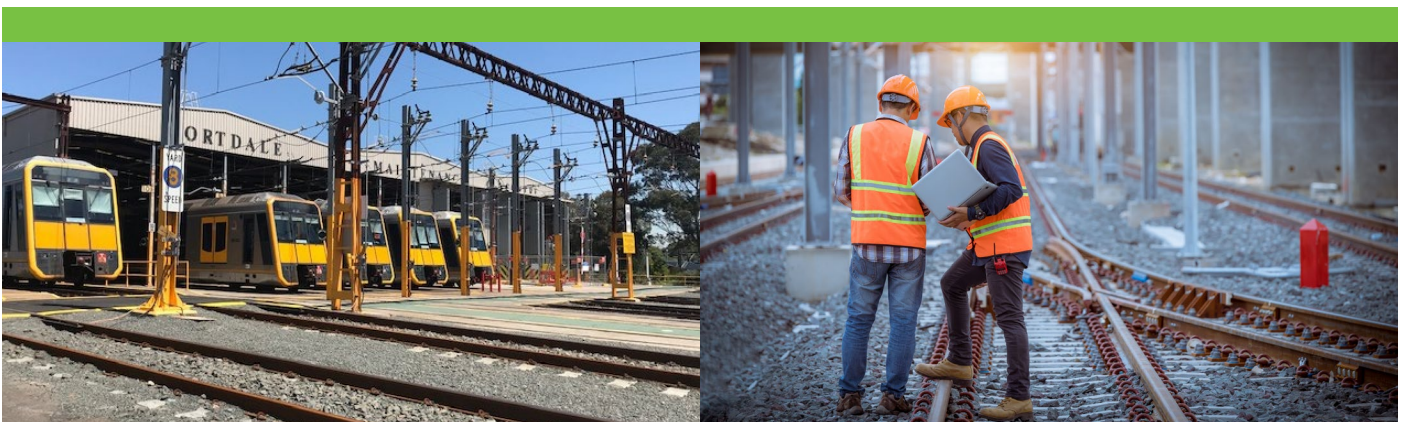
The rail industry now has the opportunity to reap the benefits that other industries have already realised through supply chain harmonisation.

Project i-TRACE facilitates consistent data exchange leading to better inventory management and stock control, efficient MRO processes and effective supply chain management practices.



Why implement i-TRACE?

- **Rail operators and Rail Infrastructure Managers (RIMs)** will be able to effectively track and trace all their parts, components and assets - this will reduce costs and lead to improved safety
- **Manufacturers** will have a common, agreed industry standard on how to identify, code and tag their materials
- **Contractors** will be better placed to capture and digitally record accurate maintenance history of assets to both customers and suppliers
- **The industry** as a whole will benefit by removing unnecessary cost and waste in the way it manages materials and assets
 - Reduced inventory, write offs and waste
 - Improved MRO processes
 - Improved warranty management
 - Reduced operational costs
 - Improved through life support



Continuous improvement

- Foundational to achieving smoother and more cost-effective advanced supply chain and asset management processes
- Interoperability of tracking and asset management systems across organisational boundaries – connecting the end-to-end value chain
- Project i-TRACE supports:
 - Engineering and Type Approval harmonisation
 - Efficient and more accurate stocktakes
 - Safety, predictive maintenance and conditioning monitoring
 - Life cycle management
 - Warranty management
 - Inwards goods receipt
 - Advanced warehousing processes
 - Transport management processes