

Capability Statement

Integrated  Rail  Solutions



ART

Connecting the future of Australian Rail

Modernising the rail industry through intelligent engineering solutions

Australian Rail Technology are leading designers, manufacturers and service providers for power management and electronic equipment solutions utilising intelligent power switching and control for the Rail Industry.



40+

Years of infrastructure experience specialising in bespoke Engineered Solutions.



35

Skilled and qualified Engineers, Project Managers, Technicians, Sales and Administration team members.



99.5%

Delivery in full on time (DIFOT) on critical contract milestones.



ART is a leading provider of comprehensive railway engineering, manufacturing, maintenance, project management, and supply chain services.

We deliver whole-of-life asset management solutions and provide critical rail focused components that support and enhance the communities and environments in which we operate.



Modular Remote Isolation

Supporting emerging technologies and responding to demands for safer, more efficient network isolation methods



Condition Monitoring

Increasing maintenance efficiency and improving life expectancy of vital assets



Rail Infrastructure

ART supplies high-voltage overhead line fittings for rail and tramway infrastructure systems, for both AC and DC applications



Engineering

ART design and manufacture bespoke solutions for the changing operating environments of our clients.



Rolling Stock

A comprehensive range of electrical, mechanical and electronic products and services



SMRO

We have the expertise to Service, Maintain, Repair and Overhaul rolling stock equipment and electronic sub-systems

Rail Infrastructure

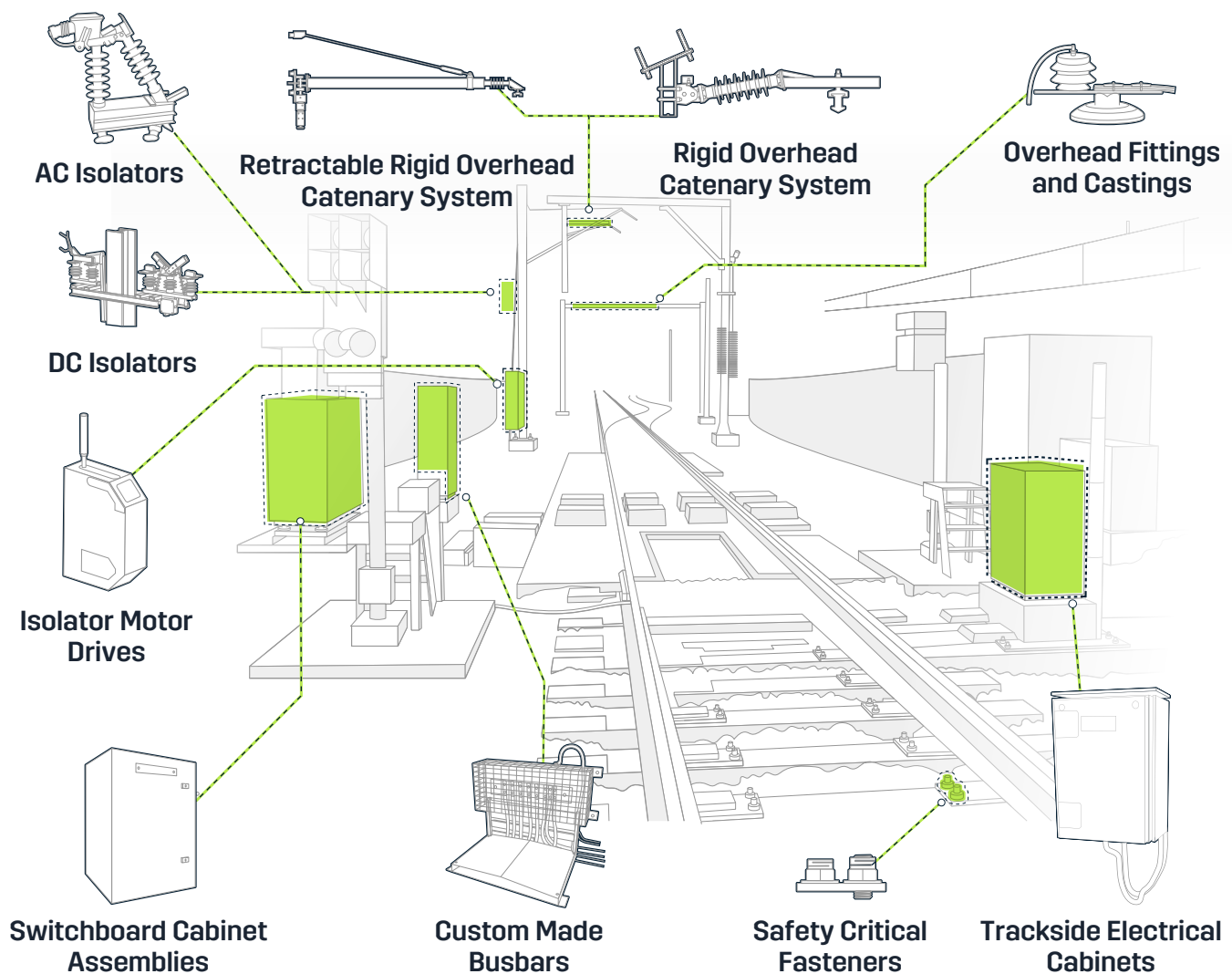
Rail Infrastructure partnerships

40 years in the rail industry manufacturing overhead isolation switches expanded into leading technology partner and trusted supplier of the complete electrification product range.

Brand	Capability
Australian Rail Technology	Electrification products including isolators, insulators, fittings and castings, to support greenfield and brownfield projects: → Through life support including components for maintenance projects → Upgrades and expansion projects → Duplications of existing lines → Tunnels, viaducts, light rail and metro networks → Level crossing removal projects → Depots, stabling and maintenance facilities including retractable catenary systems, motorised switching and remote isolation systems
Alstom Lecco	Alstom's centre of excellence based in Italy has 110 years of experience in designing and manufacturing power transmission components for railway infrastructure, power plants and other applications. CLever is an innovative cantilever for railway electrification, developed for 750 V, 1,5 kV, 3 kV, 25 kV transport networks. CLever was designed to deliver reliable performance for speeds up to 300 km/h. This innovative cantilever solution benefits from Alstom's extensive experience in the field of electrification systems and component manufacture. ROCS, RROCS, Section Insulators and OHLE components are also offered for Tramway, Metro and Depot applications.
RS Group	RS Group manufacture AC switches for railway applications are highly efficient and adapted to each project's specific needs. R&S switches are designed to provide reliable high performance in the harshest of environments. Special high-current connectors ensure your railway depot applications and industrial e-applications run safely and efficiently. Meanwhile, RS Group transformers for rectifier, traction and e-mobility applications guarantee uninterrupted power supply.

A complete range of overhead line fittings

ART manufactures high-voltage network isolators and switchgear. We also supply the complete range of overhead line fittings for rail and tramway infrastructure systems, for both AC and DC applications.



Rolling Stock

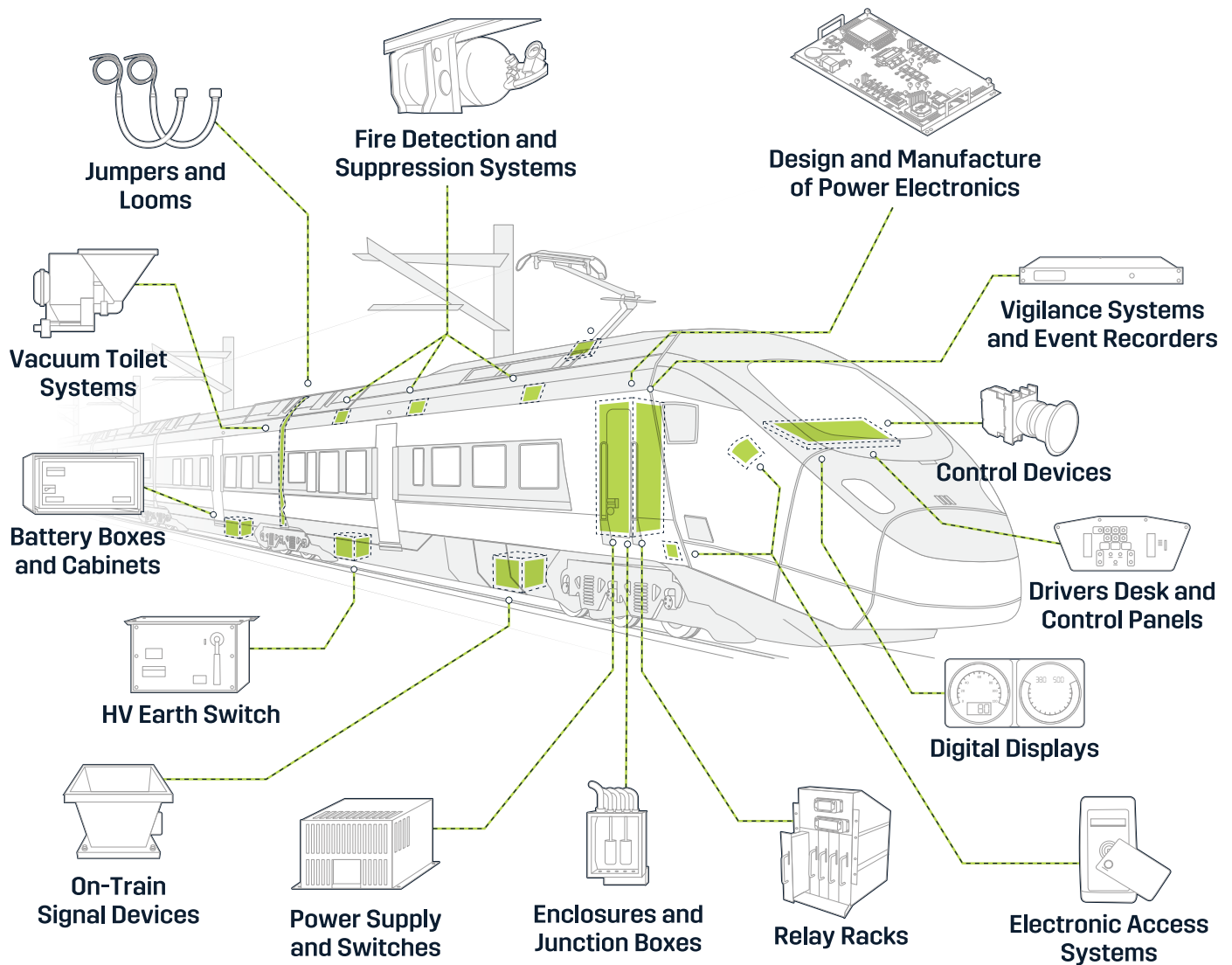
Innovative Rolling Stock Solutions

Our team includes mechanical, electronic, software and electrical engineers. We are experienced designers utilising the latest software and fully certified processes and procedures for electronics manufacturing, testing, repairs and maintenance.

Brand	Capability
Australian Rail Technology	Specialising in electronic subsystems, back lit drivers panels, complete train wiring harness, jumpers and looms, relay racks, power distribution boxes, digital speedos, magnet detectors, earth switches, drivers foot pedal, vigilance systems and AWS.
Leach International	Leach International is the world's leading provider of electromechanical and solid state switch gear for aircraft, defence, space, and rail applications, leveraging design, engineering and manufacturing expertise to create solutions-oriented equipment for power distribution and control.
MTM Power	MTM Power is one of the leading manufacturers of power supplies in Germany. Power supplies and convertors are developed and manufactured by MTM Power® offering unparalleled functionality and quality.
Glova	Glova Rail specialise in the supply of vacuum toilet units for the refurbishing of pre-existing train toilets. The Glova Rail Compact "push pull" type design is made as a line replaceable unit. Glova Rail toilet units are designed according to the latest standards and have proved extremely reliable in service through condition monitoring technology.
Logiplus	The Logiplus electronic access system includes a Base Station, Desktop Unit and Central Unit designed specifically for railway applications.
Fogtec	FOGTEC develops, produces and markets fixed and mobile systems for fire detection and firefighting. Fogtec smoke detectors and firefighting systems are specially developed for rolling stock and tailored to special vehicle requirements.
EKE	EKE provides leading technologies to train manufacturers, operators and integrators for efficient train manufacturing and operations. EKE provide tailored solutions for system integration, train automation, train communications, train diagnostics and improved safety.

Providing all your rolling stock requirements

ART is your local support agent to leading European OEM's and specialises in design and manufacture of customised power management and electronic solutions for rolling stock.



Condition Monitoring

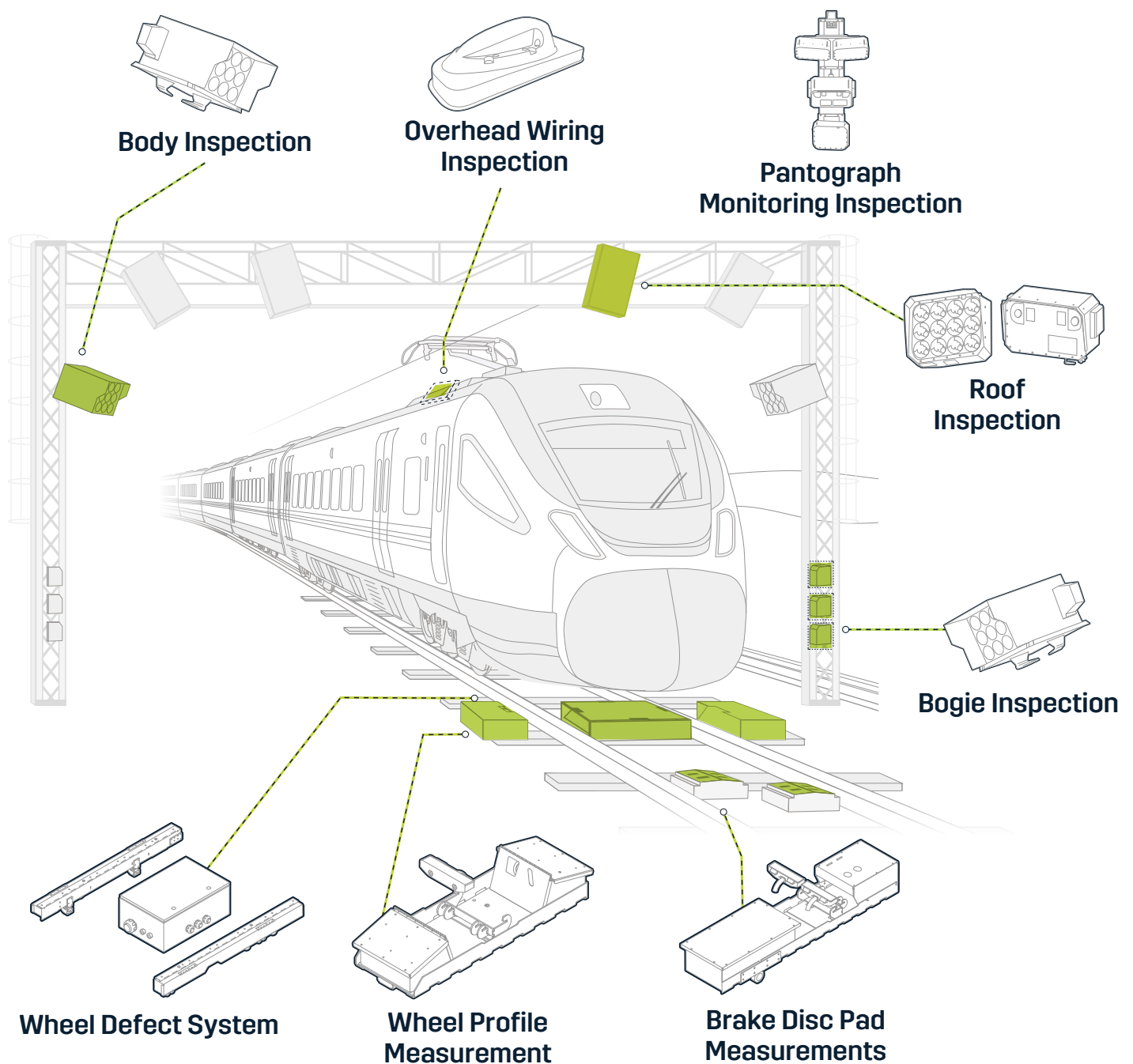
Precision monitoring and diagnostics

We are a system integrator of condition monitoring technology to meet your requirements. Specialising in pantograph inspection systems our capability includes full train scanning, roof, bogie, body, wheels and brakes.

Brand	Capability
Australian Rail Technology	From integrating multiple OEM systems into one super site to an individual piece of technology scanning the pantograph ART can support the demands for safer, more efficient maintenance practices by providing the right technology for the task.
Camlin Group	Camlin manufacture innovative and intelligent monitoring products and services that help make rail networks safer, more efficient, resilient and sustainable. Camlin's wayside vehicle condition monitoring system helps railway infrastructure owners and network operators optimise maintenance schedules and maximise rolling stock fleet availability.

Improving life expectancy of vital assets

Routine maintenance on railway assets can cause unnecessary costs and down time. Current manual inspections of trains are a considerable expense for operators and it is impossible to predict unexpected damage occurring during normal operation.



Engineering

We have extensive experience in project management and turn-key solutions and can offer full support to project managers where engineering and logistics support play key roles in delivery of the project.



Australian, British and European Rail expertise

Our extensive experience in Australia gives us a thorough understanding of the unique requirements for the rail industry.



Design and Manufacture

With a large team of electrical and mechanical engineers, we are able to design, manufacture and prototype a product and develop it for production.



Quality

Our quality systems ensure we comply with requirements of each and every client. We use NATA approved third party test facilities to ensure supply of qualified and reliable products.

SMRO

We design and manufacture electronic components and systems, and expertly overhaul and upgrade ageing rolling stock equipment.

➤ **Hipot tester** – for assembled wire harnesses and new equipment testing

➤ **Programmable automatic function testers** – for full function testing

➤ **Industrial oven** – heat/cycle testing of new equipment builds

➤ **Insulation meter** – isolation testing for new, overhauled and repaired equipment

➤ **Custom built testers** – for functional testing

➤ **Variable DC power supplies** – routine testing between min/max voltage ranges

➤ **Oscilloscopes, LCR meters and multimeter** – signal measurement for routine measurement

➤ **Spare parts** – OEM and reverse engineer

Specialists in bespoke engineered solutions

Australian Rail Technology has been in operation for over 40 years and seen steady growth over that time.

The company employs 35 people and has a high level of experienced development engineers and highly skilled production and assembly technicians.

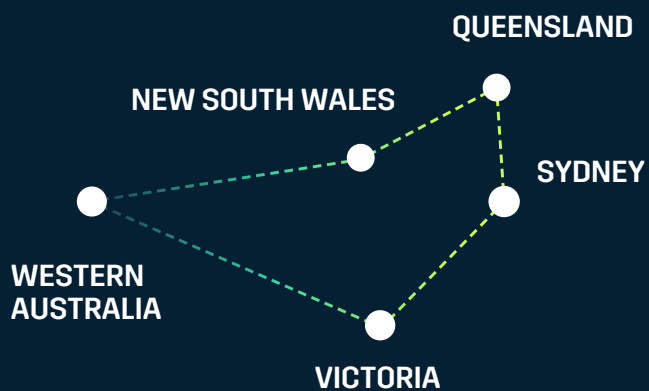
One of our greatest assets is that we do all of our engineering and manufacturing locally through our headquarters in Sydney, Taree Electronics Facility or Tullamarine. We have business locations in NSW, Victoria, Western Australia and Queensland.

ART is a Transport for NSW Technically Assured Organisation (TAO) for rolling stock subsystems, traction substations, and overhead wiring.

We are fully compliant through our ISO9001:2015 QMS accreditation, along with holding our Occupational Health and Safety, and Environmental Management accreditations.



ART has met the prequalification requirements of FACCI Policy to be Contract ready. ART proudly represents Australia's First People Business Owners, Families and Communities.



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