

# Garrandale Rail

Specialist Rail Depot Equipment and Services



**GARRANDALE**

**S3 Technical**  
Specialised Services and Supplies

Bespoke solutions for train wash, fuelling, controlled emission toilet, lubricating and monitoring systems.

Flexible designs to suit individual requirements and specifications.

Safe, environmentally responsible and cost effective solutions for modern rail depots .

Comprehensive range of maintenance packages available, with local warehousing of spares and consumables.

**UNIPART**  
**GROUP**

**SERVING THE WORLD'S RAILWAYS**

# Specialist Services & Supplies for Rail Depots

**Unipart Group Australia and Garrandale Rail have joined together to form S3 Technical, offering specialised services and supplies for rail depots. S3 Technical is bringing Garrandale's state-of-the-art systems and solutions to Australia with local support and service through Unipart Group Australia.**

**This includes innovative and bespoke equipment solutions for carriage wash systems, fuelling stations, controlled emission toilet systems, and lubricating and monitoring systems.**

## Train Wash Systems

Garrandale's in-house expertise allows them to deliver bespoke Train Wash Systems providing clean trains to their customers and end users.

- Automatic or manual washing
- Roof, eave and skirt washing
- Cab ending washing
- Air Blowers
- Reverse Osmosis
- Reclaim systems
- Rain water harvesting
- Intelligent operating systems
- Remote diagnostics and data monitoring systems
- Speed monitoring and logging systems



The aerodynamic nature of rolling stock means that it is increasingly difficult to keep it in pristine condition and, as a result, an innovative engineering design is required to enable effective automatic cleaning.

Garrandale offers a range of modular solutions which are designed to suit the individual requirements of the location and the contours of a range of rolling stock profiles. Each bespoke system makes efficient use of the space available and can be configured for single or bi-directional washing

## Maintenance Services

S3 Technical offers a maintenance service on all specialist depot equipment systems to ensure continued reliability and efficient operation. We offer local warehousing of spares and the consumables our customers need to keep critical depot equipment running and trains on schedule. There is more and more pressure on maintenance depots, where an increasing schedule of maintenance is required on a daily basis using site equipment and technology which was fit for purpose when it was designed decades ago.

Combining Garrandale's extensive experience in the design and installation of train wash, CET and fuelling systems together with our local S3 Technical team means that we are also able to offer a full range of maintenance packages which are designed to extend the operating life of your equipment.



# Controlled Emission Toilet (CET) Systems

Garrandale offers a complete turnkey solution for waste management providing bespoke toilet emptying systems, on-board vehicle toilet retention tanks and toilet facilities.

- Manual emptying systems
- Automatic emptying systems
- Rinsing and tanking systems
- Water systems
- Mobile systems
- On-board vehicle retention tanks
- On-board toilet facilities
- Intelligent operating systems
- Remote diagnostics and data monitoring systems

They understand that safe, hygienic and efficient emptying of CETs is essential, which is why they provide a complete design and installation service that meets the requirements of each individual depot.

Their range of CET systems is: manufactured to the highest specification and will integrate seamlessly with your carriage design.

Each system is designed to suit your specifications, taking into account the CET technology, the amount of space available and the degree of automation required. In addition they are user friendly with tanking hose storage and a 10m span capability.

Garrandale offers a lifetime maintenance service on all CET systems to ensure continued reliability and efficient operation.



## Fuel, Adblue and Fluids Equipment

Garrandale's complete solution provides safe, modern and cost-effective means of dispensing fuel, adblue and fluids tailored to suit the individual needs of the train operator.

- Fully automated monitoring and ordering system
- Fuel dispensers (single and twin modules)
- Fuel storage tanks
- Fuel recovery systems
- Adblue dispensing systems
- Adblue potable systems
- Adblue monitoring systems
- Fluids manual or automated systems
- Fluids recovery systems

## About Garrandale

Garrandale Rail is the UK's leading supplier of Specialist Rail Depot Equipment, delivering projects across the globe, capable of responding quickly and efficiently to the needs of the rail industry.

The company design, manufacture and maintain carriage wash systems, fuelling stations, controlled emission toilet, lubricating and monitoring systems.

## About Unipart Group Australia

Unipart Group Australia is part of Unipart Group a leading manufacturer, full service logistics provider and consultant in operational excellence. Operating across a range of market sectors, Unipart offers a breadth of services to a wide range of blue chip clients internationally.

Unipart Rail, a division of Unipart Group, is a leading specialist provider of technology and supply chain solutions for the rail industry; with expertise in infrastructure, signalling and traction and rolling stock products.

### Unipart Group Australia

111-113 Newton Road

Wetherill Park, NSW 2164

Tel: +61 (0)2 8787 5910

Email: [uga.enquiries@unipart.com](mailto:uga.enquiries@unipart.com)



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