



# VEHICLE ENGINEERING

## IMPROVING ASSET VALUE

*HUNSLET-BARCLAY'S CALEDONIA WORKS IS FULLY EQUIPPED TO OFFER A ONE –STOP SERVICE FOR ALL ASPECTS OF TRACTION AND ROLLING STOCK RE-ENGINEERING*

### ***HUNSLET-BARCLAY***

*D E D I C A T E D  
R A I L V E H I C L E  
E N G I N E E R I N G*

Vehicle Engineering – Improving Asset Value by Upgrades, Modifications & Prescribed Maintenance: -

- Highly skilled and versatile workforce
- Design & Planning
- Proven quality in mechanical and electrical engineering applied to vehicles
- 21st century facilities in a company with 160 years history

Today our covered hardstanding is able to accommodate up to 26 vehicles, half on pitted roads.

Overhead cranes with 60 Tonne capacity all fully supported by industry leading machining and fabrication facilities.

As a result, Hunslet-Barclay is able to offer a comprehensive and flexible service on rail vehicle overhaul & modification.

Bespoke engineering on small fleets or individual vehicles is our specialisation, utilising the skills and processes already in place at Hunslet-Barclay.





# VEHICLE ENGINEERING

## IMPROVING ASSET VALUE

A COMPREHENSIVE RANGE OF SERVICES IS PROVIDED BY HUNSLET-BARCLAY'S WORKSHOP.

WE ARE EQUIPPED WITH 60 TONNE CAPACITY OVERHEAD CRANES, 26 VEHICLE BAYS FULLY LIT AND SERVICED PITS, AND A MODERN TWO-PACK SPRAY-PAINT FACILITY. SUPPORTED BY HUNSLET-BARCLAY'S RESPECTED DESIGN, ENGINEERING AND PROJECT SPECIALISTS, PROVIDES CUSTOMERS WITH A ONE-STOP SHOP FOR ALL RAIL VEHICLE RE-ENGINEERING, REPAIR, RENOVATION AND OVERHAUL.

### THE COMPANY

Hunslet-Barclay employs c. 100 people in Kilmarnock engaged in the overhaul of rolling stock and subcomponents for both passenger and freight clients.

The two core business streams include:

- Classified overhaul & re-engineering of vehicles
- Supply of new and overhauled vehicle components including
  - wheelsets
  - Mechanical components
  - Spares

21st century service with a 160 year pedigree

### ■ CRASH REPAIR

- Renewal to as-built condition
- Incorporation of new standards
- Built-to-print or re-designed

### ■ FLEET MODIFICATIONS

- Electrical, mechanical
- Environment or aesthetics
- Door modification
- Crashworthiness enhancements
- Single-car conversions
- Reliability enhancements

### ■ LIFE-EXTENSION

- Back-to-good-metal strip and rebuild
- Incorporation of up-to-date equipment
- Reliability improvements

### ■ CHANGES OF USE

- Proven structural re-design
- New electrical / pneumatic schemes
- Mess van conversion
- Support coach conversion
- Track measurement coach conversion

### ■ REPAINTING

- Full vehicle two-pack process
- Localised paint correction
- Application of livery via decals

### ■ ENVIROMENT ENHANCEMENTS AND REMEDIAL WORK

- Interior re-design and modification
- Incorporation of better passenger amenities
- Compliance work to meet new standards
- Disability enhancements
- Passenger information
- Crew area improvements

### ■ SAFETY MODIFICATIONS

- Mandatory or Best Practice modifications
- Engineering solutions
- Crashworthiness
- Systems solutions
- Interiors

### ■ CODED OVERHAULS

- Overhaul to specified procedures
- Development of overhaul procedures

Further information about re-engineering and overhaul of rail vehicles is available from:

## HUNSLET-BARCLAY

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