



METRO, MAINLINE & SHUNTERS

Clayton's range of shunting locomotives are becoming the haulage solution of choice.

We offer a new generation of shunters/switchers providing cost-effective solutions: low emissions, low costs and low maintenance.

Alternatively, conversions provide an economical solution to deliver reliability, environmental and performance benefits.

MINING

The most comprehensive range of locomotives available for surface and underground mining applications.

From 1.75 tonnes to 90 tonnes, for both hazardous and non-hazardous locations.

Overhead trolley/pantograph, battery, Diesel or hybrid powered.



DESIGN & BUILD

We offer Design & Build solutions for your project, including tunnel drilling machines, cable handlers, overhauling or upgrading your existing equipment.

We can also offer conversions from old Diesel powered units to clean battery.



TUNNELLING & CONSTRUCTION

The innovative LoCo™ tunnelling locomotive, with patent pending features, provides a cost effective solution with its low capital and operating costs, adjustable gauge and high haulage capabilities.

Cheaper than leasing and can be deployed to other sites with different gauges.



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ISO9001:2015 certified

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DESIGN & BUILD

Clayton Equipment offer a special project Design and Build service; tunnel drilling machines; cable handlers, overhauling or upgrading your existing equipment; converting from old Diesel to clean Battery – Clayton Equipment can provide you the solution.

SPECIAL PROJECTS

OVERHAUL, UPGRADE & REPAIR

CONVERSIONS

CONSULTANCY & TRAINING

Special Projects

- Highly experienced design, engineering and production team
- Design, build and commission equipment to your requirements
- Bespoke solutions for your project
- Competitive costings

Overhaul, Upgrade & Repair

- Alternative to new equipment
- Cost effective solution
- Shorter lead times
- Extend life of the asset

Conversions

- Cost effective solution by converting existing assets
- Lower capital costs
- Deliver reliability environmental & performance benefits
- Extend the life of the asset

Consultancy & Training Services

- Innovative solutions
- Technical expertise & knowledge
- Bespoke training
- Proven results



Premier supplier of above and below ground haulage
equipment worldwide

SPECIAL PROJECTS

Balfour Beatty

Design and build of a unique construction train, for use in the Channel Tunnel, to simultaneously drill 144 holes into the concrete tunnel lining, and to lift and place 24 steel beams onto the tunnel wall.

Also, to design and build two clean rooms for the cable joining process.

- Over 500 metres long
- Travelling speed of 90 km/h and then extend outside of gauge when in working mode
- Drill over 32,000 holes
- Lift and place over 8,000 30 kg support brackets
- Lift and place over 8,000 350 kg steel beams
- Emission free, 1,740 kWh, on-board battery power supply
- Mass of over 528 tonnes
- HEPA filtered clean rooms, with controlled temperature (20°C) and humidity (<50Rh)
- Integral welfare facilities supporting 120 operating personnel

UPGRADE & REPAIR

Isle of Man Rail Car

To overhaul and upgrade a works Rail Car that supports maintenance activities on Snaefell Mountain, Isle of Man.

- Complete strip down and rebuild
- No original OEM information available
- Electrical, mechanical and hydraulic overhaul
- Upgrade of transmission gearboxes
- Replacement of the old Diesel engine with an EU Stage IV compliant Diesel engine



CONVERSIONS

CB40, London Underground, UK



Conversion of ten Diesel locomotives to zero emission battery locomotives, complete with on-board charging. Also, to operate from both the on-board traction battery and the 3rd/4th rail supply.

- Retain the existing chassis, cab, brakes and axles to reduce compliance issues
- Retain the existing driver controls to keep driver familiarity and reduce training demands
- Sufficient battery power to undertake 1 day's full duty cycle
- Haul up to 240 tonnes up and down a 1:30 gradient, and travel up to 49 km/h
- Design compliant with London Underground's deep tube restricted operation gauge (LG1)
- Technical support to realise LUL certification
- Increase mass from 34 tonnes to 40 tonnes

OVERHAUL

Transfer Trolley

To overhaul and upgrade a transfer trolley that moves concrete containment wall segments for a nuclear test facility.

- Complete strip down and rebuild
- No original OEM information available
- Full electrical, mechanical and hydraulic overhaul
- Upgrade of the control electronics
- Reintroduction of safety features
- Time critical to fit into the customer's operational demands

