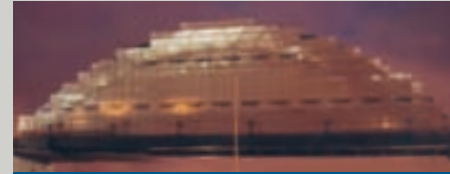


# CASE STUDIES



**TYNE BRIDGE**  
 Client: Newcastle City Council  
 Main Contractor: Pyeroy Group  
 Pyeroy Work: Major refurbishment programme undertaken without bridge closure. Pyeroy responsible for scaffolding, containment, structural repairs, cleaning, re-painting, traffic management and pest control.



**TYNE HIGH LEVEL BRIDGE**  
 Client: Newcastle City Council  
 Main Contractor: May Gurney  
 Pyeroy Work: Removal of 30 layers of paint from the cast iron beams, columns, balustrades and drainage gullies of Grade 1 listed structure and re-painting, together with supply of scaffolding, access and containment systems.



**SWING BRIDGE, NEWCASTLE**  
 Client: Newcastle City Council  
 Main Contractor: Pyeroy Group  
 Pyeroy Work: Complete repainting of the bridge, together with repairs and repainting of the timber control tower. Traffic management and replacement of non-skid decking on walkways.



**HATTERSLEY VIADUCT, CHESHIRE**  
 Client: Tameside Council  
 Main Contractor: Pyeroy Group  
 Pyeroy Work: High-pressure washing, grit blasting and painting of the bridge metalwork along with the complete removal and replacement of the bridge drainage system.



**PONTCYSYLLTE AQUEDUCT**  
 Client: British Waterways  
 Main Contractor: Dew Pitchmastic  
 Pyeroy Work: Supply of the scaffolding, containment and all metalwork cleaning. Surface preparation and painting of all bridge metalwork, including the re-coating of inside and outside of the canal trough.



**FOYLE BRIDGE**  
 Client: Road Services Agency, Dept. for Regional Development.  
 Main Contractor: Farans Construction Ltd.  
 Pyeroy Work: Provision of all access systems for internal and external coating works, spot blast surface preparation and application of high performance coating systems to Highways Agency specifications.



**CRAIGAVON BRIDGE**  
 Client: Road Services Agency, Dept for Regional Development  
 Main Contractor: Mott McDonald  
 Pyeroy Work: Total refurbishment of the steel structure, which had red lead and toxic coatings previously applied. Full project management, surface treatment, concrete repair and cast repairs to the structure and as traffic management.



**IRONBRIDGE, LONDON**  
 Client: Transport for London  
 Main Contractor: Pyeroy Limited  
 Pyeroy Work: Refurb of superstructure on the A406 North Circular over train tracks. Supply of traffic management, scaffolding, containment and surface preparation and painting of metalwork. Steel repairs, installation of pigeon deterrents and new aluminium parapets.



**A19 BRIDGES**  
 Client: Auto Link  
 Main Contractor: R. McAlpine – Amey – Taylor Woodrow Joint Venture  
 Pyeroy Work: Preparation and painting of 16 bridges along the A19, including the refurbishment of 1200 metres of safety railings on the Tees Flyover.



**WEARMOUTH BRIDGE**  
 Client: City of Sunderland  
 Main Contractor: Pyeroy Group  
 Pyeroy Work: Refurbishment programme completed throughout the bridge. Work included steelwork and concrete repairs, access and containment, surface treatments and road and footpath refurbishment and lighting upgrading.



**ALMOND VALLEY BRIDGE**  
 Client: West Lothian Council  
 Main Contractor: Pyeroy Group  
 Pyeroy Work: Grit blast cleaning and painting of the bridge steelwork and parapets including the supply of all access and traffic management requirements.



**RUNCORN BRIDGE**  
 Client: Halton Borough Council  
 Main Contractor: Pyeroy Group  
 Pyeroy Work: Provider of specialist bespoke access. Removal of coatings and corrosion to the steelwork underside the bridge prior to application of a high performance coating. Work included all traffic management, steelwork and concrete repairs.

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## BRIDGE & STRUCTURAL PAINTING SERVICES THE UK'S LARGEST INDEPENDENT SPECIALIST PAINTING CONTRACTOR



# EXTENSIVE EXPERTISE

## SINGLE SOURCE PROJECT MANAGEMENT

A market leader with an unrivalled track record as a specialist painting contractor, Pyeroy provides comprehensive protective coatings services for the refurbishment of road and railway bridges as well as other waterway structures including viaducts.

Pyeroy has the ability to supply all scaffolding, containment, cleaning, surface preparation and painting requirements – alongside other associated services such as environmental protection, traffic management, deck waterproofing and structural refurbishment.

The Group therefore has the unique ability to provide streamlined single source management solutions that offer clients major advantages in project planning, control and cost.

A 850-strong directly employed workforce of skilled engineers, technicians and craftsmen means that the Group can offer a professional, highly efficient single source solution for most projects.

In addition, a highly experienced central management team, regional office network and proven cost, quality and contract monitoring systems enables jobs to be completed on time and within budget.

As you would expect, this expertise is also supported by accreditation to BS EN ISO 9001 and full compliance to NQA procedures.



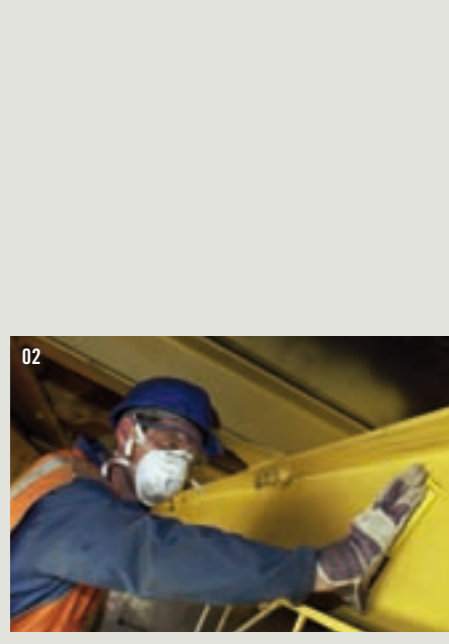
**01 Surface Preparation**  
All methods of surface preparation techniques conducted including abrasive blast cleaning.

**02 Skilled Workforce**  
All Pyeroy personnel are experienced and qualified in industrial coating application.

**03 High Performance Coatings**  
Specialist high performance coatings can be applied to give long term life.

**04 Manufacturers' Approval**  
Pyeroy holds many coating manufacturers' approved contractor status for their specialist coatings and linings.

**05 Equipment**  
A comprehensive list of surface preparation and coating equipment is available within the Pyeroy Group.



**06** Baker's famous practical demonstration of the cantilever principle.

**07** One of the 190 trains that cross the bridge each day.

**08** Queensferry bottom boom & 'C' bracing encapsulated in preparation for blasting & painting.



# THE FORTH RAIL BRIDGE

## AN ESTABLISHED PAINTING PARTNER

The Forth Rail Bridge has become famous for its apparently never ending re-painting requirement.

Pyeroy's specialist expertise in structural and bridge painting has enabled it to win successive contracts for the repainting of sections of the bridge as part of a rolling civil engineering and structural refurbishment programme being undertaken by Balfour Beatty on behalf of Network Rail.

Designed by Sir John Fowler and Sir Benjamin Baker and constructed by Sir William Arrol, the Forth Rail Bridge has become one of the world's most distinctive structures and carries the main east coast line over the Firth of Forth.

Construction began in 1883 and was completed in March 1890 with the formal opening by the Prince of Wales, later King Edward VII, who drove home the last gold plated and inscribed rivet.

The 8,300ft long bridge comprises three separate double cantilevers, linked by 350ft long girder spans joined to the major structure of the bridge by huge pins. In total the bridge incorporates 57,000 tons of steel held together by 8 million rivets – all of which need to be painted by hand.

As one of a the main painting contractors on the structure, Pyeroy's work encompasses grit blasting and re-painting work on a number of critical beams and structural steelwork on both the south Queensferry cantilever/link span, and the Inchgarvie cantilever.

Specific requirements include the abrasive blasting of the structure to SA 2½ standard and the application of primer (50um), glass flake (400um normal/800um splash zone) and polyurethane (50um) coatings.

Although the work forms part of a ten-year refurbishment plan for the bridge, contracts for re-painting specified areas were originally awarded yearly. However, Pyeroy, by utilising shared information, openness, adaptability, increased efficiency/productivity and team-working, has recently successfully negotiated a 3-year contract.

Pyeroy has already worked on the bridge for over three years, re-painting almost 30,000 metres of the structure's steelwork.

Unlike most other contracts there is very little movement by road and/or track, and all materials & equipment need to be taken out to the bridge by barge.

These factors, together with working over water and at heights (up to 370 feet), and the removal of the original lead based paint within the confines of specially encapsulated areas, make the work extremely challenging logistically – factors which Pyeroy has successfully overcome to become an established and successful partner on the renovation programme.

# PROTECTING YOUR ASSETS

Pyeroy is fully conversant with the potential cost implications caused by corrosion of metal structures and the associated effects on basic aesthetics, environment and health and safety – not to mention the traffic disruption and other widespread difficulties that can be created when bridges and other transport links are suddenly forced out of service.

Providing effective maintenance and protection of your assets is therefore crucial. Pyeroy is able to prevent such problems through fully qualified management personnel and experienced site operators employing both traditional and innovative techniques to provide bespoke specifications. Pyeroy offers a truly combined resource to ensure your assets are in safe hands.



### TRAFFIC MANAGEMENT

Traffic management and road services support and backup is available to cover all aspects of working on or around roads, rivers and rail network.

### ACCESS SYSTEMS

Turnkey access systems are provided by the Pyeroy Group to assist with 'one off' survey work, full access and containment or specially designed cradle systems.

### QUALITY ASSURANCE

All works conducted by Pyeroy are supported by accreditation to BS EN ISO 9001 : 2000 and full compliance with all relevant Health and Safety Legislation.

### ANNUALISED COST PROGRAMMES

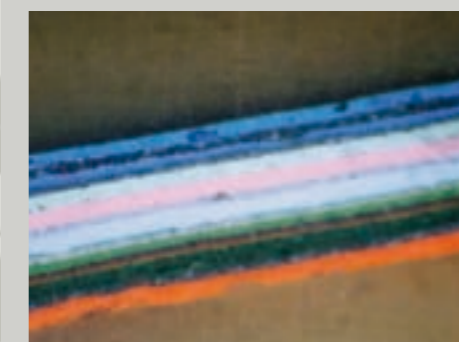
Annualised cost programmes are conducted to assess the current condition of a structure and develop the annualised cost programme for corrosion control, depending on life expectancy etc.

### TECHNICAL ADVICE & SUPPORT

Pyeroy offers a full technical support service which includes:-

- Survey and Analysis
- Feasibility Studies
- Specification Development
- Life Cost Analysis
- Paint Trials
- Paint Programmes
- Customer Training – Corrosion Control

Our technical support engineers can assess the condition of a structure and give guidelines and recommendations of surface preparation and coating systems. Assessment of red lead and other toxic products can be conducted prior to commencement of work. Third party independent inspection is also utilised for specific projects.



### CONCRETE REPAIRS

Concrete repairs and rebar corrosion refurbishment can be conducted, with or without surface coatings.



### STRUCTURAL REFURBISHMENT

Structural refurbishment to iron and steel by welding, grinding, NDE, steel thickness etc. is conducted in line with industry and specification requirements including design capabilities.



### SPECIALIST SERVICES

Specialist services are provided to complement our industrial services. Waterproofing, drainage and light fabrication is conducted by the Pyeroy Group.



### BESPOKE SERVICES & SURVEYS

A bespoke service is offered for specialist projects including abseiling, bespoke designed access, ownership of assets and guarantee performance programmes.

### ENCAPSULATION & ENVIRONMENTAL PROTECTION

Innovative encapsulation and environmental protection is utilised for working with toxic products, surface preparation and built-up public places. Encapsulation and refurbishment can be provided without bridge closure in many cases.

### CORROSION CONTROL

All methods of corrosion control are utilised from the various types of surface preparation and coatings to cathodic protection and environmental control systems.