



P C RICHARDSON & CO (MIDDLESBROUGH) LIMITED
IS A PRIVATE LIMITED COMPANY

ESTABLISHED IN 1918

LIMITED IN 1924

REGISTRATION NUMBER 196308

**P C RICHARDSON & COMPANY (MIDDLESBROUGH) LIMITED
COURVILLE HOUSE
34 ELLERBECK COURT
STOKESLEY BUSINESS PARK
STOKESLEY
NORTH YORKSHIRE
TS9 5PT**

**TELEPHONE: 01642 714791
FACSIMILE 01642 714387**

Company Contacts: Mr. Peter Richardson - Managing Director.
Mr. David Richardson – Contracts Manager
Mr. John Woodward - Engineering Manager



Introduction

Established in 1918, PCR has built up the notable reputation as one of the leading specialists in high level / difficult access.

P.C.Richardson & Co Ltd are very experienced and fully prepared for any condition, having experience with:

- Rail & Road Bridge refurbishment
- Industrial chimney / cooling towers care and maintenance.
- Nuclear & Chemical Plant Decommissioning.
- Difficult Access.
- Civil & Structural Engineering.
- Bridge & Viaduct Refurbishment & Maintenance.
- Industrial Chimney & Cooling Tower Specialists.

The Company employs a core multi-disciplined workforce. Supervisory personnel are IOSH (Institution of Occupational Safety & Health) trained. All site activities are covered by a comprehensive documentation system to comply with both the customer requirements and those directed under ISO 9001:2000 Quality Arrangement.

With over eighty years experience in high-level maintenance, P.C.Richardson offers a comprehensive range of difficult access services and welcomes enquiries from parties who may benefit from our experience.

Aim

Our aim for the company is to continue with our integrated relationships with the clients and increase our market share of future projects. Commercially this can give parity across the board for chargeable labour rates and manpower, at a lower cost due to economies of scale and known future workload.

The benefits of offering an experienced, trained and safe workforce are shared between ourselves, who can offer operatives long term employment with all the stability that this brings, and to the clients who can rely on the contract being successfully completed in the budgets and time scales allowed.

Commitment

On going training of all our staff and operatives is seen as critical to our continuing success. Our current staff company wide are all extremely valued by the company. Long Service and continual development enables them to assist both the clients and us. Training Reviews for all operatives are held regularly and updating of personnel training matrix is carried out.



Company wide, the NVQ's in Nuclear Decommissioning are fully underway. Engineering Apprentices and Steeplejack Apprentices, taken on this current year, are progressing well and on target for their achievements.

We assure you that the measures described above to ensure an ongoing, fully trained, safety conscious and committed workforce are implemented and monitored by the Managing Director. He has the full backing of the Board to ensure sufficient funding and time allocation is afforded to our long-term goals for the mutual terms and conditions currently existing on all our contracts.

Quality Assurance

P C Richardson & Company (Middlesbrough) Limited is registered under the conditions of British Standard ISO 9001:2000 with Yarsley Quality Assured Firms Limited.

We have perused a focused differentiation strategy for many years i.e. "a quality service in the Construction Industry offering high level and difficult access skills with great emphasis on safety".

The system is continuously reviewed to ensure that the company satisfies the customer's increasing expectations. Part of our quality service includes a willingness to listen to our customers to develop a real understanding of their requirements.

Our policy is to involve staff at every level in our quest for ultimate quality of our service and to ensure that all employees follow and meet the requirements of the system, the management shall communicate and fully cooperate with all personnel, as they are fully committed to ensuring the effectiveness of the system.

P C Richardson & Co Ltd is committed to the success of the Quality Policy and shall ensure that it is understood by all members of staff through quality awareness training.

Initiatives

Safety initiatives that our company currently promote are the "One Minute Risk Assessment" and "Seconds out for Safety". These are cultural issues, promoting operatives to think about their own safety and their colleagues. They are driven by education through tool box talks and briefings. Forms are completed on the job by the operatives themselves, and the results are discussed at fortnightly meetings with the supervisors.

Continuous improvements in methodology, designing out risks and best practices are always carried out. PC Richardson and Co have always been adaptive to changing market conditions since the company's inception in 1918.



P C Richardson & Co Ltd Services

Based on over eighty five years experience in high-level maintenance engineering, the Company is able to offer a comprehensive range of services:

- High Level Maintenance:
 - Chimney Construction / Demolition / Inspection
 - Civil Demolition and Repair
 - Cladding and Glazing
 - High Level Chimney Maintenance
 - High Rise Demolition (Structure)
 - Inspection and Report Writing
 - Provision of Access for Engineering Services
 - Rock Drilling and Rock Bolting
 - Steel Erection
 - Surface Preparation and Coatings
 - Structural Strengthening
 - Specialist Access Systems
- Decommissioning:
 - Access and Containment Systems
 - Civil Demolition
 - Core Drilling and Chemical Sampling Analysis
 - Decontamination
 - Electrical Strip Out
 - Mechanical Dismantling
 - Post Operational Clean Out (POCO)
 - Packaging and Sentencing
 - Remote controlled operations, including CCTV
 - Size Reduction
- Care and Maintenance:
 - Building Services
 - Building Fabric
 - Bridge Renewal and Maintenance
 - Cleaning of Vertical and Horizontal Chimney Flues
 - Cooling Tower Maintenance
 - Coal Bunker Repairs
 - Electrical Systems
 - High Rise Maintenance (Structure)
 - Mechanics and machines
 - Tunnel and Vent Shaft Maintenance
 - Viaduct Masonry Restoration
 - Welding and Fabrication
- Ultra High-Pressure Water Jetting
- Lightning Protection

Work Force

The Company employs a full time work force of 140.

A Supervisor of each individual Project is always present at the workplace and overall responsibility is taken by a Site / Contracts Manager

A high standard of quality control is applied to all aspects of work.

Size of Contract

We have undertaken various contracts, however Single Contracts undertaken range upwards to £15 Million

Area of Work

The United Kingdom, Europe, Scandinavia, Middle East and Africa.

The Company's experience is comprehensive and covers all types of Industries.
The following List serves to illustrate this

Bridge & Viaduct Works

Railtrack

Phase (ii) Royal Border Bridge, Berwick on Tweed

General maintenance and strengthening of Grade 1 listed structure on the East Coast Main line. Pressure pointing, grouting, installation of tie-bars and dowels, shot blasting and painting of steelwork, stone and brickwork repairs. All work including scaffolding were carried out by our own workforce.

Railtrack

Bridge 223 Chester le Street, County Durham

Renewal of brickwork, stitching and repointing. Grouting and installation of tie-rods and patress plates. Extensive scaffolding to access the work areas involved, i.e. 4 complete arches. All work including scaffolding carried out completely in-house.

Railtrack

Bridge 78, Knebworth

Removal of existing bridge deck and replacement with new precast concrete imposts and steel bridge to East Coast Main Line
All activities carried out within a single 56hour possession by our own workforce.

Railtrack LNE

Bridge 32A, Calverley

Manufacture and installation of pier strengthening jackets to both land based and river piers. Grouting of pier internals and jacket voids.
Extensive bank and river excavation required to gain access to piers.

Railtrack LNE

Bridge 3, Niffany, Skipton, North Yorkshire

Removal of condemned timber deck and replacement with 250 tonne steel deck. Shot blasting and painting of existing steelwork. Reinstatement of ballast and tracks etc., completed within a 52hour possession. Jacking down of deck and installation of new mounting plates.

Railtrack LNE

Bridge 71 Barnsley, South Yorkshire

Removal of defective steel decking and beams, reinstating with new. Applying new waterproof seal to existing and new deck. Shot blasting and painting of new deck.
Renewal of decking carried out over a Christmas possession.

Scotrail

Spean Bridge

Erection of slung scaffold to underside of 2 span steel bridge. All work completed by our own C.I.T.B registered scaffolders.

Jarvis Facilities

Alnmouth Viaduct, East Coast Main Line

Installation of 91 dowels to dropped arch stones. All work was completed by our own abseiling operatives in 3 No 12 hour night possessions.

Scotrail

Auch & Glean Viaducts, Near Crainlarach, Scotland

Manufacture and installation of steel walkways to replace existing condemned timber walkways to the underside of the viaducts. All activities completed using in-house abseiling operatives. Work completed in 6 weeks despite heavy snow conditions.

Rail Property/English Heritage/Northern Viaduct Trust

Swardale Gill Viaducts, Near Kirby Stephen, Cumbria

Restoration of a 12 span redundant viaduct. The installation of a reinforced concrete deck to the existing track level. Installation of tie bars and dowels to the masonry piers and spandrels including pointing, grouting and rebuilding of collapsed stonework. All access was performed from a purpose made suspended platform instead of traditional scaffold, such an access system enabled the project to commence within a limited financial package.

Highways Agency

Irwell Valley Bridge M60 Motorway, U.K.

To install steelwork to strengthen the bridge to enable jacking for removal and replacement of the bearings at a future date.

Middlesbrough Borough Council

Transporter Bridge, River Tees, Middlesbrough

Rail Replacement to full length of Transporter Bridge involving installation of lightweight temporary access, removal of old rails and replacement of new sole plates.

Highways Agency/John Martin Limited

Thelwall Viaduct M6 Motorway

PC Richardson & Co Limited worked with John Martin Limited on this project and our contract involved installing steelwork to strengthen the bridge to enable jacking for removal and replacement of the bearings. The highways agency, Atkins and other contractors were all involved with practical solution working as a team to solve the problems. This partnering philosophy proved to be completely successful and beneficial to the project.



North Yorkshire County Council

Topcliffe, North Yorkshire

Excavate, waterproof and rebed existing pathways. Install suspended platform to underside of bridge to allow for jet washing, grouting, installation of anchors tie, repointing and stonework replacement to an ancient monumenta status bridge

Highways Agency/Amey Highways

Erskine Bridge, nr. Glasgow

The Erskine Bridge is a 15-span, 1320m long cable stayed steel box girder bridge, spanning the River Clyde. The bridge deck is 60m above river level. The contract involved the replacement of the underdeck cantilever structural steel gantry runway beams on the east side of the bridge involving contractor designed temporary suspended platforms. In addition the main expansion joint transfer beams are to be replaced, auxiliary runway beams to be installed, weld repairs to the external box to be repaired and a weigh-in-motion system implemented.

Brick Chimneys

P C Richardson & Co Limited is believed to be the only UK Company which still retains the skills to design and construct Industrial Brick Chimneys.

Reinforced Concrete Chimneys

Over the years we have designed and constructed many reinforced Concrete Chimneys, either by jump shutters or by slip forming.

Materials

Steel	(all grades)
Reinforced Concrete	insitu and pre-cast
Brick	
Refractory Castables and Bricks	

Chimney Works

Saudi Water Conversion Company

Yanbu, Saudi Arabia

The replacement of corroded gantries with newly installed galvanized ones. Repairing aviation lights and the removal of back rest ladders to ground level from where they were sand blasted, painted with three coats and re-secured back to the 80 metre high chimney.

Saudi Water Conversion Company

Al-Jubail, Saudi Arabia

Repairs to several 120 metre chimneys. Concrete and lightning protection repairs, also the fabrication and installation of a stainless steel shroud fitted between new concrete repairs and existing cap, concrete repairs, internal refractory replacement, replacement of the lightning protection system and the refurbishment of the aircraft warning lights.

Saudi Water Conversion Company

Jeddah, Saudi Arabia

Installation of lightning protection system to 2 no. 150 metre chimneys. Removal of defective lightning protection system, installation of new external system in accordance with British Standard 6650 Part 1. Ultrasonic inspection of steel flues to full height of chimneys. Inspection of concrete shells complete with reports and photographs.

Saline Water Conversion Company

Jeddah, Saudi Arabia

Replacement of corroded flue stub. Removal of corroded steel fuel stub and subsequent replacement with newly rolled titanium steel sheets at the top of a 148 metre high chimney.

Saline Water Conversion Company

Jeddah, Saudi Arabia

Emergency Repairs to steel flue liner
Following a routine internal chimney inspection by abseiling techniques and ultrasonics, it was found that severe corrosion attack had taken place at 20 metres above floor level. A suspended scaffold was welded to the lining and overplaying carried out.

Saline Water Conversion Company

Jeddah, Saudi Arabia

Painting works to 2 no. 150m high chimneys. Removal of soot deposits by high pressure water jetting and painting of existing smoke bands using suspended cradle facility.

Saline Water Conversion Company

SWCC Al Khobar, Saudi Arabia

Inspection of 60m high flare stack. Thorough inspection including abseiling, tension checking and ultrasonic thickness checks of all steelwork.



Saudi Armco Shell

Al-Jubail, Saudi Arabia

Refurbish chimneys during 2003 turnaround – Repairs to 9 no. Chimneys including painting and concrete, fitting fall arrestors and repainting of flare chimney steelwork.

Marafiq

Yanbu, Saudi Arabia

Internal and External Inspection of 80-metre high chimney. Carry out Ultrasonic thickness checks of internal steel liner and concrete survey of external Windshield using abseiling techniques.

Lorne Stewart

N. London

Inspection of Fume Lattice Stack, renewal of cladding, installation of expansion joint and survey.

British Energy

Eggborough, UK

Unit 3 & 4 Flue Stub Refurbishment Replacement of SS304 cladding and insulation material with new phenolic insulation material and 2 layers of a resin based membrane to prevent moisture penetration from the existing flanges.

Mowlem Aquamen

North Luffenham, Uk

Clean down and redecorate tower using priming coat and 2-coat system using abseil rope techniques

The Nuclear Industry

We have completed many contracts within the Nuclear industry, these being with:

- BNG - Sellafield
- BNG - Chapelcross
- BNG - Springfields
- UKAEA - Harwell
- UKAEA - Dounreay

Listed below are a few of the contracts completed, *for a more detailed description please refer to PC Richardson Company Profile, Nuclear.*

Sellafield

B6 & B16 Chimneys (Beta, Gamma)
B206 Solvent (Butex) Recovery Plant (Beta, Gamma)
B207 Uranium Purification Plant (Alpha)
B31 Settling Tanks (β, γ)
B30 Installation of lightning conductor protection system to cover the whole building
B38 Erection of Rubb Building in compound
Waste Task Team Process scrap metal materials from around the site
B861 Sellafield Drypac Plant
B166 Decommissioning of the contents of the PCM Store
B243 PCM Drum Store
B2 Removal of air intake internal shielding
B13 Annual maintenance of extractor flue and guide wires
B204 Removal and size reduction of the external cell pipe-work
B43 Size reduce by diamond wire saw
Calder Water Treatment Plant
B29 Install Fuel Oxide handling modifications
B229 Removal of redundant PCM contaminated materials from the labs

Springfields (Westinghouse)

Work involved the identification, categorisation, dismantling, removal, size reduction, decontamination, monitoring and packaging of the following equipment from the identified facilities and post operational clean up.

B284 Uranium Hexafluoride Plant (Beta, Gamma, Chemicals)
B62 Magnox Facility (Beryllium)
A338 & A26
AEA Buildings

Note: All work carried out in house, with design, methodology, decommissioning and commissioning skills.

Power Station Works

Powergen UK Ltd

Kingsnorth Power Station, Kent, UK

- Internal brickwork repairs to 198metre multi flue chimney. Renewal of small areas of defective brickwork using a suspended cradle to 2 no. flues within a plant shutdown. External concrete repairs using suspended cradle systems.
- Glazing and cladding repairs to the Boiler House, cleaning of Turbine and Boiler House Roofs.
- Relining of 6 no. coal bunkers to clients specifications in tight programme schedule.

Powertechnology

Drakelow Power Station, Burton, UK

Cornice repairs to cooling tower. Installation of cat head type platform to the top of a 115 metre high cooling tower to enable concrete repairs to be carried out using timber shuttering.

National Power

Ironbridge Power Station

Remove top 6 metre of defective concrete windshield and replace with precast concrete blocks.

East Midlands Electricity

Drakelow Power Station, Burton, UK

Renew 30,000 bricks and install new stainless steel cap and beam.

Saudi Electricity Company

Ghazlan Power Plant, Saudi Arabia

External repairs to 2 no. 85 metre high concrete chimneys and full inspection of paint system.

Qurayyah Power Plant, Saudi Arabia

Internal and external inspections of the 2 No. 150m high reinforced concrete chimneys.

Hinckley Point Nuclear Power Station

To secure Nylon Netting over the glazing of the Nuclear Reactor Buildings and to specify all fixing devices and methods of providing tension.

Other Power Station works include:

Aberthaw	Cleaning and Inspection of Unit 9 Chimney and internal rebuilding to Chimney Lining.
Ballylumford	Major refurbishment to their chimneys including refractory, coating and concrete repairs.
Belvedere	Remedial Work to North and South Chimneys including removal of top 10ft and Guniting.
Brighton	Remedial Brickwork in horizontal flues to two Chimneys
Carrington	Partial demolition of Chimney and rebuilding work
Cottam	Partial demolition of Chimney lining and rebuilding work
Grain	Major internal brickwork repairs to 198m high chimney
Fawley	Brick Lining Repairs
Pembroke	Brick Lining Repairs
Ratcliffe	Chimney Inspection and renewal of cast iron caps
Richborough	Partial Chimney demolition and rebuilding work
Rogerstone	Supplied all necessary access equipment internally in Chimney to remove brick and asbestos expansion seals to lining, then after removal, demolition to the Chimney
Stella South	Rebuilding of lining to archway of horizontal flue of North Chimney
Thorpe Marsh	Repairs to brick lining on No 1 Chimney
Tilbury	Renewal of Aircraft Warning Lights on two Chimneys
West Thurrock	Maintenance of Turbine House Roof and Windows

Power Generation Industry

Removal of top 60ft of 200ft Chimney and rebuilt whilst on line
(Using the Richardson By-Pass Shield)

Oil Refinery Works

Statoil

Mongstad Oil Refinery, Norway

Shutdown 1999 – refractory works to chimney SK-101. The renewal of 30,000 bricks and sprayed concrete repairs to a 100 metre high concrete chimney all carried out within a 12 day shutdown.

Gulf Oil Limited

Gulf Oil Refinery, Dyfed, UK

- Replacement of defective stainless steel ventura.
All components for the ventura were transported to the top of the 92 metre high chimney using the alimak hoist.
- Renewal of internal brickwork in 2 no. 92 metre concrete chimneys.
Replaced 100,000 bricks within an 18 day plant shutdown using a suspended platform.

Phillips Petroleum

Phillips Refinery, Teeside, UK

- Flare Stack refurbishment. Term contract involving the painting of the stack using cradle access. Also, all components of the stack including flange bolts, guy wires, flare tip and anchor pads were inspected and repaired.
- NDT survey of existing guy ropes using flux sampling system. Removal of deflect flare tip.

British Petroleum Refinery

Isle of Grain

Demolition of five brick Chimneys to 100ft level manually then controlled explosion of stumps.

Texaco Refinery

Pembroke

Lining repairs to two Process Chimneys, removal of top 15ft concrete and rebuild during plant operations,
Utilising a By-Pass Shield.

Lindsay Oil Refinery

Immingham

Full Inspection and repairs to two concrete Chimney Stacks at every level.

Kemya Oil Refinery

Jubail, Saudi Arabia

NDT survey and greasing of Guy Wires on a 70m high flare stack.

Petrochemical Industry

ICI Billingham	Maintenance to Cooling Tower, sealing all shutter holes
ICI Huddersfield	Partial Chimney demolition and rebuilding work to Brick Chimney
ICI Ellesmere Port	Inspection Work
ICI Grangemouth	Inspection Work
ICI Lostock	Inspection, partial demolition, rebuild of 2 Brick Chimneys, on load utilising a By-Pass Shield
ICI Wilton	Inspection of Boiler House Chimneys
ICI Winnington	Chimney Inspection and partial demolition and rebuild to three Brick Chimneys utilising a By-Pass Shield

The Steel Industry

Corus

BOS Plant, Cleveland

Contract to inspect four Chimneys and four secondary Chimneys every four months – ultrasonic and non destructive testing.

Corus

Lackenby Beam Mill

Design and Construction of a 68 metre high Brick Chimney and lining

Corus

Redcar Coke Ovens

Replacement of structural steel and cladding fabric to the entire 40m high Screen House building. Other works involved the replacement of the roof.

The Gas Industry

Partington Contracted on call-out basis: Inspection and Maintenance

Avonmouth Contracted on call-out basis: Inspection and Maintenance

The Coal Industry

National Smokeless Fuels Limited

National Contract for Inspection and Chimney Maintenance Repairs

The Manufacturing Industry

Glaxo Operations

Barnard Castle Works

Supplied and erected two steel Chimneys, remedial Work to Vessels Stills and Storage Tanks. Regular maintenance and annual inspections.

Council and Property Services Agency

Tyne & Wear County Council

Tyne Tunnel

Provision of access Scaffolding on North Evasse Vent Outlet

Greater Manchester Council

Middleton, Greater Manchester

Incinerator shutdown: Chimney Inspection and repair work to Internal Lining

Hospitals

Design and erection of many chimneys in brick, concrete and steel construction.

DHSS

Rotherham

Removal of Internal Brick Lining from Boiler House Chimney, and the manufacture and supply of a steel tube liner, lowered into place and Chimney restored.

Newcastle County Courts

Repairs and replacement Stonework to a Listed Building

Health Authority

Chester le Street

Removal of Brick Boiler House Chimney

HM Prison

Northallerton

Manual demolition of Brick Chimney

Costal Restoration Works

Whitby & Scarborough County Council

Coastal Surveys, Rock Removal and Coastal Renovation Work

English Heritage

Dover Cliffs

Four phases successfully completed. Work included rock bolting, meshing, guniting, rock removal for making safe and the fitting of crack meterage systems and load cells.

Balfour Beatty Gibraltar Branch

Tunnel Maintenance at Various Locations, Gibraltar

Planned, organised and managed the maintenance and minor new works programmes and execution of works at all MOD sites.

English Heritage

Tynemouth Priory, UK

Install rock bolts and rock netting to cliff face, and infilling buttresses with steel mesh, anchors, concrete and sprayed shotcrete.

Other works

Electricity Supply Board

Cathaleens Fall G.S, Ireland

Cleaning of Dam wall. High-pressure water cleaning of concrete using IRATA trained abseilers.

Mersey Dock & Harbour Company

12 Quays Birkenhead, UK

Changing of main fenders to ferry terminal, Working with the Mersey mammoth, Welding new jackets to the existing pilings, Re-furbishment of existing steelwork. Working from rope access equipment.

Mersey Dock & Harbour Company

Canada Dock Liverpool, U.K.

Major refurbishment to lock gates on the river mersy dock. Working with the Mersey mammoth, Changing and refurbishment of steelwork, Welding of new section on to lock gates.



Highways Agency

Irwell Valley Bridge M60 Motorway, U.K.

To install steelwork to strengthen the bridge to enable jacking for removal and replacement of the bearings at a future date

Corus Steel

Redcar Balst Furnace, Teeside, UK

Welding Repairs to pipe work using cradle access.

This involved the burning and grinding out of corroded steelwork and the subsequent over-plating replacement. All work carried out in-house by PCR Workforce.

BP International

London

Video and Visual Survey to Steel Utilities Chimney.

Steel and Guniting Repairs

Johnson Controls

Downreay

Prepare defective paintwork to SA 2 ½ and apply a 3 coat paint system to a cylindrical tower.

Cyprus Petroleum Company Limited

Larnaca, Cyprus

Chartered Consolidated Services Limited

Survey to Steel Chimneys, Zambian Copper Mines

P C RICHARDSON & CO. (MIDDLESBROUGH) LIMITED IS

A member of:

ECIA: Engineering Construction Industry Association.

ATLAS: Association of Technical Lightning and Access Specialists

DSA: The Drilling and Sawing Association

CITB: Construction Industry Training Board.

ECITB: Engineering Construction Industry Training Board.

SCA: Sellafield Contractors Association

SCSF: Springfields Contractors Safety Forum

BSI: British Standards Institution

NRPB: National Radiological Protection Board

NVQ: National Vocational Qualifications Board

SITGA: Steeplejack Industry Training Group Association

Electricity Training Association for accreditation to City and Guilds Nuclear Decommissioning

IRATA: Industrial Rope Access Trade Association

City and Guilds

NDTC: The National Demolition training Group

RQSC: The register of Qualified Steelwork Contractors

Quality and Safety Information

Quality Assured to ISO 9001/2000 by SGS

Investors In People Award (Revalidated April 2006)

Safety Award from ECIA for the year 2004

NVQ's in Nuclear Decommissioning and Industrial Painting on target

Staff annual appraisals and training needs identified

Monthly Safety Award Scheme introduced

No Blame Culture in place