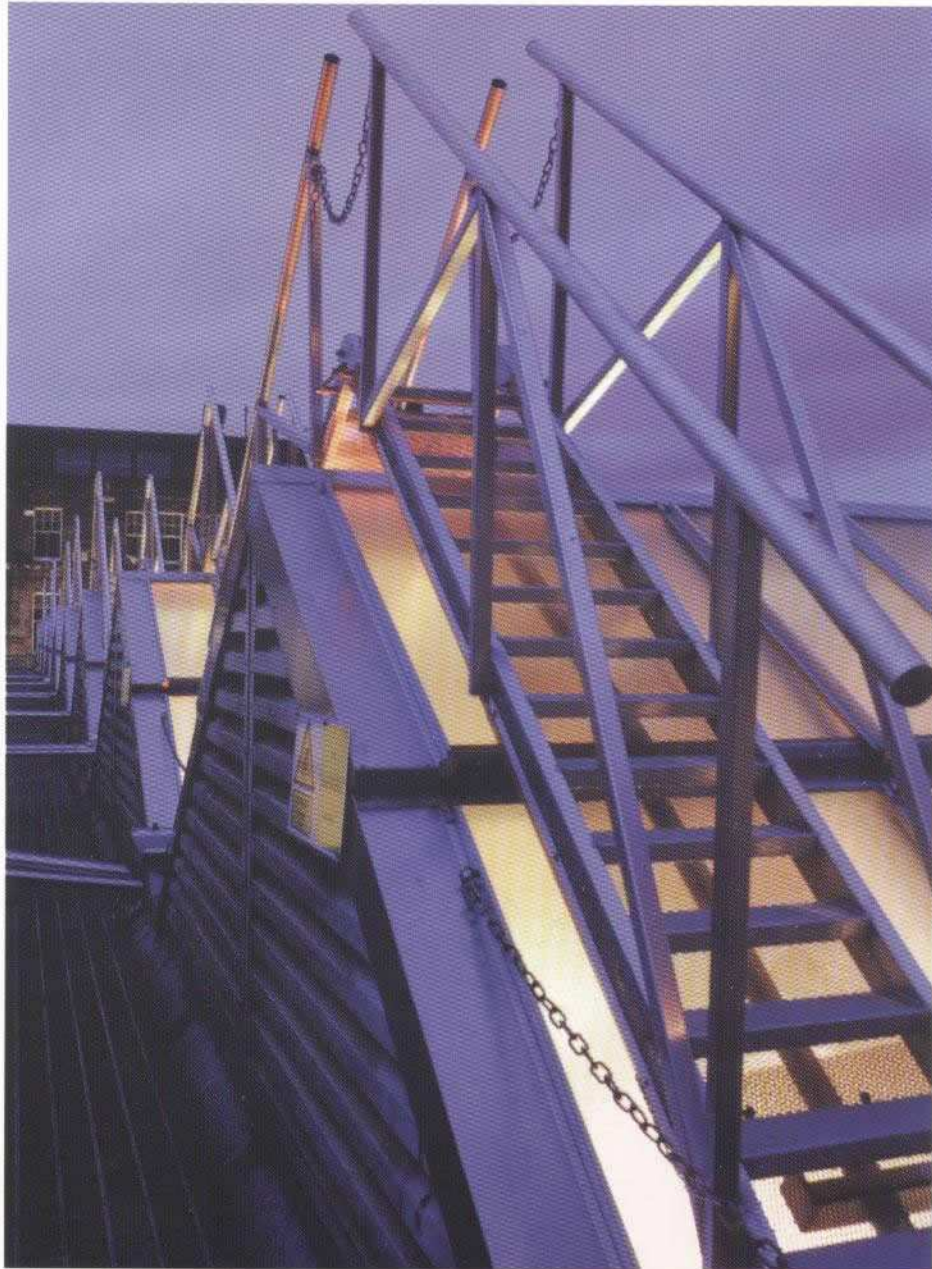


Clow Group Ltd

Engineering, Fabrication & Access Divisions



**By Appointment to
Her Majesty the Queen
Manufacturers of Access Equipment
Clow Group Ltd.**



BS EN ISO 9002 (1994) Quality Assurance System
For Metal Fabrication

CLOW GROUP LTD.

Established in 1913, Clow Group Ltd. is the largest privately owned manufacturer of ladders, access equipment and bespoke fabrications in the UK.

With three specialist production divisions, Clow Engineering, Clow Fabrication and Clow Access, Clow Group offers a multi-disciplined design, fabrication, installation and commissioning service.

ENGINEERING, FABRICATION & ACCESS DIVISIONS

Specialists in engineering, Clow Engineering, Fabrication and Access Divisions produce bespoke fabrication work to the most exacting standards. With a highly skilled workforce including Project Managers, Design Engineers, CAD Draftsmen, Welders and System Installers, Clow Group offers a complete in-house service, including delivery and installation on site when required. Renowned for exacting standards in design, development and production, Clow Group undertakes the most specialised commissions, working from initial designs right through to final installation on site.

FABRICATION RANGE

The design and fabrication range encompasses the following:

- **ROOF ACCESS SYSTEMS**
- **STRUCTURAL ACCESS & MAINTENANCE SYSTEMS**
- **ARCHITECTURAL FABRICATIONS**
- **INDUSTRIAL FABRICATIONS**

All systems are supplied complete with system specific operation and maintenance manuals. A full installation and testing service is also available, with test certificates on completion. All access ranges are fully compliant with British and European Standards.



Top Right - Clow Group Ltd. HQ, Glasgow

Above Right - Rolling Gantry, Waverley Station, Edinburgh

ROOF ACCESS SYSTEMS

With the increasing emphasis on safe access through ever tighter CDM and HSE regulations, Clow Roof Access Systems are coming to the fore, boasting reliability, durability and functionality.

At Clow Group the design and fabrication of roof access systems that are both safe and fully integrated into any architectural design is of the utmost importance. The specialist roof access systems comprise of a range of core products that can be adapted economically to meet the client's requirements. Systems can be designed to include the following:

- **WALKWAYS**
- **MOBILE SAFETY CAGES**
- **MOBILE GANTRY LADDERS**
- **SAFETY TRACK SYSTEMS**
- **SAFETY LINE SYSTEMS**

Any category of project is undertaken, from low budget, one-off fabrications to multi-million pound contracts. Recent projects include the design, fabrication and installation of a complete roof access system at the architecturally award winning Glasgow Central Station, forming part of the Major Stations Regeneration Programme.

Top Right - Roof Access System, Central Station, Glasgow

Bottom Right - Inverted 'V' Gantries, Central Station, Glasgow



ROOF ACCESS SYSTEMS

Clow Roof Access Systems can be designed to incorporate site-specific features and specific structural and loading requirements. Aluminium is the preferred material for the roof and patent glazing access systems, however steel is also available as an alternative for most designs.

WALKWAYS

Certified to BS5395, walkways are available with either open mesh or 5 bar treadplate flooring, and can be fixed or hinged to provide access for cleaning and maintenance of gutters and roofs. Walkways can be fitted with full handrail and mid-rail or can be integrated with gantry systems, with a combination of either safety track and/or handrailing.

SAFETY TRACK SYSTEMS

Safety track can be used to integrate mobile gantry ladders and mobile safety cages with walkways, to provide complete safe-access systems. Alternatively track can be used separately to form an integral part of an aesthetically unobtrusive personnel fall restraint system. Safety track provided is anodised aluminium for extra durability.



MOBILE SAFETY CAGE

Running smoothly on a double track walkway, the mobile safety cage is ideal for areas where handrailing is aesthetically unacceptable. Providing a safe zone around the operative whilst he traverses the walkway, the mobile safety cage is fully compatible with the range of safety track walkways. Additional features available include a glass carrying tray and/or tool skuttle.

Above Left - Walkway Hatch System,
Waverley Station, Edinburgh

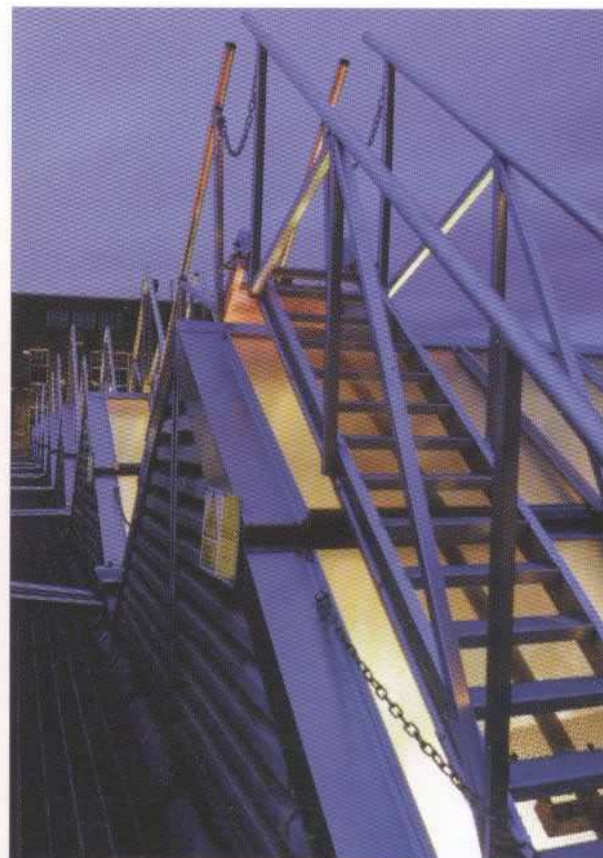
Above Centre - Mobile Safety Cage,
Central Station, Glasgow

Above Right - Mobile Safety Cage,
Waverley Station, Edinburgh

ROOF ACCESS SYSTEMS

MOBILE GANTRY LADDERS

Permanent roof mounted gantries can be designed to meet any configuration of runway, beam or track arrangement, allowing full access to glazed areas. Compatible with the walkway range, designs include single pitch rolling gantries, 'W' gantries and inverted 'V' gantries. Features include handrails tailored to access requirements, treads or rungs, brake system, integrated safety mesh and integrated fall restraint safety wire.



SAFETY LINE SYSTEM

Certified to BS EN 795 (1997) and independently tested by N.E.L., the Clow Safety Line System is designed to allow safe access where handrailing is not acceptable. The system comprises of two permanently secured, galvanised steel end posts, non-penetrative stainless steel intermediate support brackets and 8mm stainless steel wire rope. Intermediate brackets feature a unique coil spring system, designed to reduce shock loadings to operative in the event of a fall.

Top Right - Inverted 'V' Gantry, Central Station, Glasgow

Above Left - Rolling Gantry, Waverley Station, Edinburgh

Above Right - Safety Line System Intermediate Bracket fixed to Key Bemo Raised Seam Roofing, Leeds Station

STRUCTURAL ACCESS & MAINTENANCE

The Structural Access & Maintenance Range encompasses a broad range of access fabrications, including platforms, cradles, bridge access systems, ladders and steps. Systems are available in steel or aluminium, depending on the application.

ACCESS PLATFORMS & CRADLES

Purpose built access platforms, in high strength aluminium, can be manufactured to client specification. Platforms and cradles can be either powered or manual. Innovative new systems can be designed to provide access to any manner of building or construction. Specialist commissions include the complete refurbishment of the window cleaning apparatus for the Health & Safety Executive's Head Quarters, in central London.



APPROVED BY THE **H.S.E.** FOR THEIR LONDON H.Q.



BRIDGE ACCESS SYSTEMS

Fixed or mobile bridge access or inspection systems, can be designed to the client's requirements, in either aluminium or steel. Systems can be powered or manual, depending on the application. Previous commissions include inspection and maintenance gantries at the River Yare Viaduct, Norwich, the Cleddau Bridge, Pembrokeshire and the Gainsburgh Bridge, Lincolnshire.

Top Right - Window Cleaning Access System, HSE Head Quarters, London

Above Left - 30m High Permanent Aluminium Access Tower, Forth Road Bridge, Edinburgh

Above Centre - Powered Gantry, Cleddau Bridge, Pembrokeshire

Above Right - Powered Gantry, Steps, Glasgow

STRUCTURAL ACCESS & MAINTENANCE

MAINTENANCE LADDERS & STEPS

Clow Maintenance Ladders and Steps, designed to specific requirements, boast the benefits of being strong, versatile and economical.

The fabrication range encompasses static and mobile steps (with or without handrails), hooped access ladders, rolling ladders and ships' ladders. All fabrications are available in steel, stainless steel or aluminium and comply fully with British and European Standards.



LIFT CARS

With over 40 years experience in the manufacture and total refurbishment of lift cars, Clow Group offers a complete lift refurbishment package. Lift packages can be tailored to include architraves, mechanism guarding, lift shaft division screens, doors, interior mirrors and lighting. Recent projects include Glasgow Homes For The Future and Scotrail Headquarters.

Above Left - Complete Lift Car, Princes Mall, Edinburgh

Above Centre - Recessed Glazing Access System, NAPP Pharmaceuticals, Cambridge

Above Right - Vertical Access Ladder with Hoops & Security Hatch, St. Mark's Leisure Centre, Cheltenham

ARCHITECTURAL FABRICATIONS

In addition to the access range, Clow Group also specialises in the fabrication of architectural features in aluminium, mild steel, stainless steel and copper.

Modern in-house production facilities, including the latest CAD/CAM turret punching system, enables Clow Group to produce an extensive range of architectural and design features, including the following;

- FLOORING
- PANELLING
- DOORS & FRAMES
- STAIRS & BALUSTRADES
- CANOPIES & ARCHITRAVES
- SPECIALIST DUCTING SYSTEMS
- LOUVERS
- FLASHINGS
- SCULPTURES
- SECURITY GRILLS
- GATES & FENCING
- SPECIALIST GUTTERING SYSTEMS

SPECIALIST APPLICATIONS

Clow Group's design and engineering skills can be easily adapted to meet the most specialist requirements, be it for industrial, commercial or domestic purposes. Commissions are varied and have included the fabrication of a staging and access system for the television and film industry.



Top Right - Mild Steel Chimney Flue, Langs Hotel, Glasgow

Above Right - Staircase with Steel Frame, Hardwood Treads & Stainless Steel Handrail System, Private Commission

Bottom Left - Aluminium Staging, Television & Film Industry

INDUSTRIAL FABRICATIONS

SPECIALIST ENGINEERING

With over 25 years experience in the manufacture of specialist fabrications for the Food and Beverage Industry, Clow Group has the knowledge and expertise to undertake the most specialised of projects. Industrial projects are produced to the highest standard, using the latest CAD/CAM processes and all projects are scrutinised to ensure that they meet our high quality control system.



The Group's extensive experience in this sector enables it to undertake the following commissions;

- GRILLS
- TROLLEYS
- PROTECTIVE SCREENS
- CONVEYORS & CHUTES
- SAFETY BARRIERS & GATES
- STAINLESS STEEL CONTAINERS
- ACCESS SYSTEMS & PLATFORMS
- MIXING BOWLS & STORAGE TANKS

Above Left - Stainless Steel Canopies & Ducting,
Hannah Institute, Ayreshire

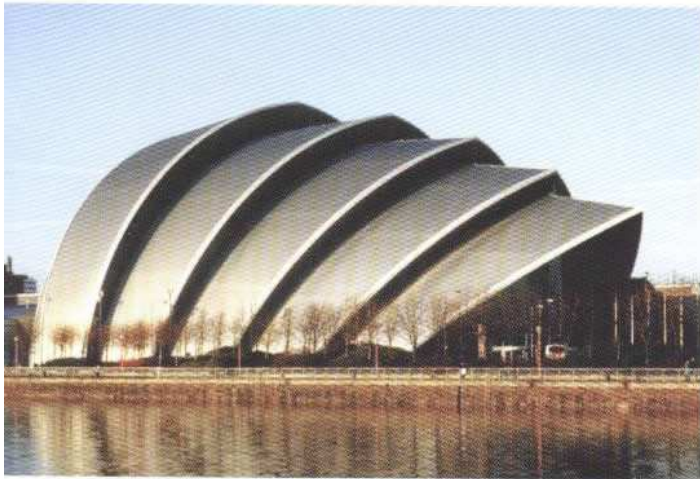
Above Centre - Aluminium Access System,
Highland Spring Bottling Plant, Gleneagles

Above Right - Stainless Steel Condense Trap & Offset Bend,
Hannah Institute, Ayreshire

COMPANY POLICIES

By offering as efficient and economical a service as possible, Clow Group ensures total customer satisfaction at all times.

CAD is used from the outset of every project and all fabrications are checked fully against accurate drawings before going to the client, ensuring the best service possible. Clow Group operates a quality management system which complies with the requirements of BS EN ISO 9002:1994, and all of their welders are certified to British and European standards.



SERVICE POLICY

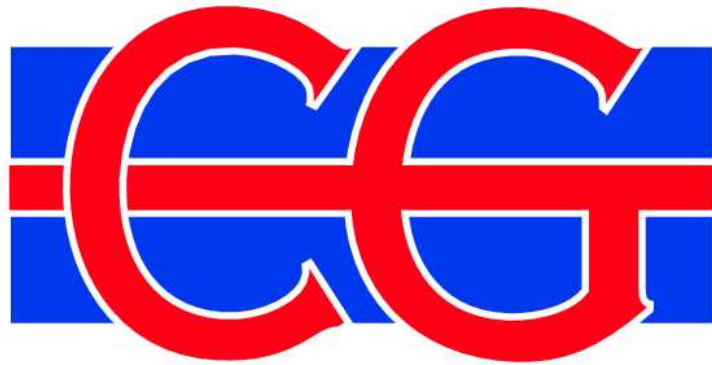
After sales service is of paramount importance to Clow Group. A full delivery and installation service is available when required and, to ensure that all fabrications are maintained to the best possible standard, a maintenance and repair service is also available.

The in-house team of Surveyors, Design Engineers and Maintenance Engineers is always available to carry out site safety inspections, surveys, refurbishments, repairs and maintenance of any existing installations. All systems supplied come complete with specific operation and maintenance manuals.

At Clow Group the arranging and meeting of realistic deadlines is all important. Our aim is to ensure that every contract is run smoothly and economically, and that the finished product is to the client's complete satisfaction.

Top Left - Retractable Access Ladders, SECC, Glasgow

Above Right - Hooped Access Ladder, Helensburgh Station



Clow Group Ltd

Glasgow Fabrication Division

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Glasgow Engineering Division

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Midlands Access Division

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