

WEC

GROUP

Introducing the WEC Group of companies





Founded in 1979, WEC Group Ltd has grown into one of the largest groups of its type in the UK. A company with over 300 employees, a 140,000+ square foot facility and the rarity of still being privately-owned, the group consists of five divisions specialising in different aspects of sub-contract engineering, plus its own in-house Training Academy.

WEC Fabrication comprises three specialist fabrication arms. *Welding Engineering* is the heavy fabrication division offering design and fabrication of metal/alloy products for large industrial fabrications. *m-tec* specialises in the fabrication of major public art features and architectural metalwork. *SP Fabrications Ltd* is the light fabrication arm providing small precision components.

WEC Laser includes *Laser Engineering UK* and *5750 Components Ltd* providing laser cutting, tube & box cutting enhanced by a full in-house design team, metal folding service and delivery.

WEC Machining encompasses *Hi-Spec CNC* and *Nutter Aircrafts*. These two precision engineering companies provide CNC machining for various industries such as defense, aerospace, oil & gas and mining. *Hi-Spec Machinery* manufactures workshop machinery for educational institutions and industrial use. *Hi-Spec Tail Lifts* is the UK's leading manufacturer of ambulance tail lifts and patient lifts for the emergency services sector.

WEC CCTV are market leaders in the manufacture of camera poles, towers and columns as well as outdoor cabinets, brackets and accessories for the security, highway and commercial sectors.

WEC Rail is dedicated to providing design, manufacture

and installation of signal structures, walkways and bridges for the rail industry, as well as rolling stock metalwork, outdoor cabinets and CCTV mounting solutions.

WEC Training Academy is unique within the UK. It takes on 10 apprentices each year and provides them with the opportunity to learn new skills in welding and fabrication. The five year apprenticeship program leads to a City & Guilds and also NVQ Level 3 qualification in welding and fabrication.

WEC Group's various divisions enable us to offer a comprehensive one-stop-shop for the complete sub-contract engineering solution; from a one-off component through to design, supply and installation of major fabricated structures.

We continually invest in the newest technologies to enable us to provide a complete service at the most competitive price. From CNC milling and turning machines to laser cutting equipment for both flat and profile components, we have the latest available machinery in-house and at your disposal.

We are proud of our commitment to quality and customer service. Our dedicated sales, design and technical teams are on hand to ensure your project is on time and to budget. WEC Group is BS EN 9001 and Link-Up approved; our guarantee that goods and services are supplied to you at the highest standards.



find us on:
facebook and twitter





Cooling Hood



Concrete Mould



Heat Exchanger

“ From sheet metalwork through to small, medium and large fabrications ”



FABRICATION

Welding and Fabrication

We offer a one-stop service at our state-of-the-art, purpose-built facilities in East Lancashire. Our skilled engineers are conversant with all aspects of fabrication from fine-line sheet metalwork through to small, medium and large fabrications.

Our clients require both bespoke and batch work fabrication in various metals including mild steel, boiler plate, corten, 304/316/2205 stainless steel, monel, titanium, copper, nickel and invar; we've even been known to work in platinum!

Working to ASME and BS EN standards, our team are highly skilled in areas such as sheet metal, fabrication, fitting, metal polishing and welding; MIG, TIG, MMA, sub-merged arc and coded welding in all disciplines. All coded welding is assessed by PED assessment bodies such as Royal Sun, Lloyds and Bureau Veritas.

WEC Group has over 30 years experience handling large fabrications, regularly dealing with projects up to 130 tonnes, such as heat exchangers, pressure vessels, rail gantries and bridges. Our facilities comprise two bays; 55m x 25m, with a working height of 7.5m under 6 runway cranes.

With an in-house design team utilising the latest software, we can provide support for any project from concept to completion. We also provide an installation service with

CSCS qualified construction installers and PTS qualified rail installers.

AEROSPACE

We are well-versed in the manufacture and installation of aerospace equipment. We possess a wealth of experience in the fabrication of mould tools in invar, aluminium and mild steel, as well as the fabrication and inspection of specialist ground equipment. With skilled coded welders and NDT inspection in place, we are ideally placed to provide solutions for the aerospace industry.

PRESSURE VESSELS

WEC Fabrication have been involved in various pressure vessel projects over the years including flourine cells. All work is carried out in line with PED 97/23/EC standards; manufactured to BSEN5500 and ASME8.

We also manufacture diver's decompression chambers to BSEN5500 Cat 1 Vessel standards and various heat exchangers to ASME8 standards.

We provide 3rd party notified body inspection, qualified NDT testing and hydrostatic/air testing.

www.welding-eng.com

Companies under WEC Fabrication





Millenium Needle, St. Helens



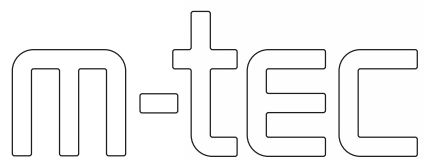
Flight of Fancy, Hucknall



The Wave Sculpture, Blackpool



“Stainless steel public art is our area of expertise”



Specialist Metal Fabricators and Consultants

m-tec, the specialist architectural metalwork division of the Group, provides a service aimed at the public art sector. Working with architects, public artists and regeneration specialists, we offer fabrication expertise, design, consultation and installation.

Stainless steel public art is our key strength, ranging from a spiral staircase to iconic lighting columns and bridges. At mtec, we have the necessary skills and capability to design, manufacture and install spectacular pieces of stainless steel architecture across the UK and overseas.

A leader in bespoke metal fabrication, we have been involved in numerous projects including the design, manufacture and installation of the Mead's Reach Bridge at Temple Quay in Bristol. Weighing in at 75 tonnes and spanning 60 metres, the bridge is part of a £200 million pound regeneration project for the Temple Quay area.

Other projects include:

- Rotating Wind Shelters, Blackpool
- Millenium Needle, St. Helens
- Tower of Light, Portishead
- Riding a Wave, Plymouth
- Iconic Lighting Columns, Blackpool
- Skyramp, Birmingham
- Discovery Sculpture, Northampton
- South Beach Car Park Entrance, Blackpool
- The Seed Sculpture, Manchester
- New Sea Wall Moulds, Blackpool
- The Braid Sculpture, Blackburn
- Special Canopies, Blackpool Central Gateway
- Curved Aeroplane Support, Wantage
- Flight of Fancy, Hucknall, Nottinghamshire
- The Wave Sculpture, Blackpool
- Mineret-like Sculpture, Brick Lane

www.m-tec.uk.com



The Braid, Blackburn



Mineret-like Sculpture, Brick Lane



Rotating windshelter, Blackpool



“ We can provide a same day service and operate our laser cutting machines 24 hours a day ”





LASER

Laser Cutting

WEC Laser has grown from strength to strength and has now turned into one of the UK's largest sub-contract CNC laser cutting companies.

Continuous investment in the latest laser cutting technology is the key to the laser division's dramatic growth over the past two years and our state-of-the-art CNC laser machines enable WEC Laser to compete at the highest level.

In addition to our traditional flat bed laser cutting services, we also supply tube laser cutting and box laser cutting.

WEC Laser now boasts an enviable capacity list which includes 7 flat-bed lasers, 2 tube lasers, 6 press brakes as well as full in-house fabrication and CNC machining facilities.

Our laser cutters enable us to laser cut up to 4000mm x 2000mm sheet size and our new 7Kw laser is capable of laser cutting stainless steel and mild steel up to 30mm thickness as well as laser cutting aluminium up to 20mm thickness.

Following investments in 2010, WEC Laser now has two tube laser cutting machines, which are capable of not only tube cutting and box cutting, but also most open profiles such as angle cutting and channel cutting. Our tube laser has a RotoLas capability of 3m long max., 414mm diameter x 12mm thick.

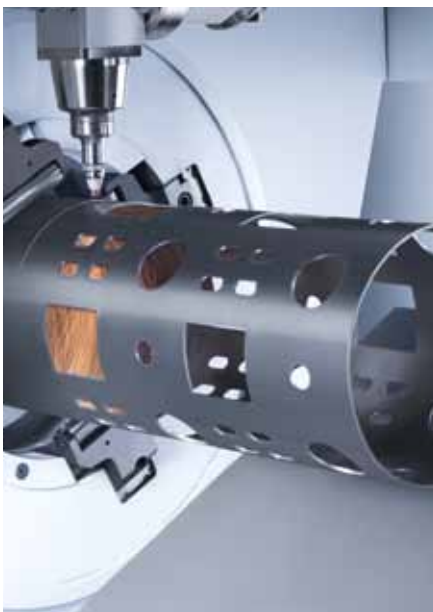
To support recent growth, WEC Laser employees have recently built a new 25,500 square foot state-of-the-art, purpose-built facility at the Group's headquarters at Junction Street Darwen.

In our line of business, flexibility is key and we have long since adopted a 24/7 3 shifts working pattern at both our sites to maximize our productivity and therefore reduce the cutting costs for our customers.

www.laser-eng.com

www.5750components.co.uk

Companies under WEC Laser



“Wide range of sub-contract
multi axis machining”



CNC vertical milling



CNC turning



Latest inspection technology



MACHINING

CNC Machining and Sheet Metalwork

WEC Machining manufactures precision machined components, light fabrications and assemblies to customer specifications.

We are able to offer a wide range of sub-contract multi axis machining due to substantial investment in new CNC machinery. This latest technology provides our customers with a CNC vertical milling capability up to three metres in length together with CNC horizontal pallet loaders for cost-effective batch manufacturing. CNC lathes with both driven tooling and sub-spindle options provide turning capacity up to 1.5 metres in length. Complimented by a CAD/CAM system to minimise programming and downtime, the shopfloor can provide a rapid response to customer requirements.

In 2010, WEC Group acquired Nutter Aircrafts, a precision engineering company with over 70 years experience in sub-contract machining. Nutter Aircrafts have been supplying the defense, aerospace, oil & gas and mining industries for many years and have maintained their position among the most forward thinking, customer focused, sub-contract engineering companies today.

In addition to machined components, we also produce sheet metal components and fabricated assemblies using a range of forming and welding techniques. Using profiles produced by our laser division, materials include mild steel, stainless steel and aluminium.

Complimenting all aspects of component and sub-assembly manufacture, we have a comprehensive assembly facility providing mechanical, electromechanical and hydro-mechanical assemblies.

WEC Machining also manufactures a range of heavy duty workshop machinery for educational and industrial use under Hi-Spec Machinery. We are the original and exclusive manufacturers of the renowned Clarendon presses as well as providing grinders, polishers, bandfacers, dust extraction units and combination units.

Hi-Spec Tail Lifts also sits under WEC Machining, providing ambulance tail lifts and patient lifts for the emergency services.

www.wec-machining.com

Companies under WEC Machining

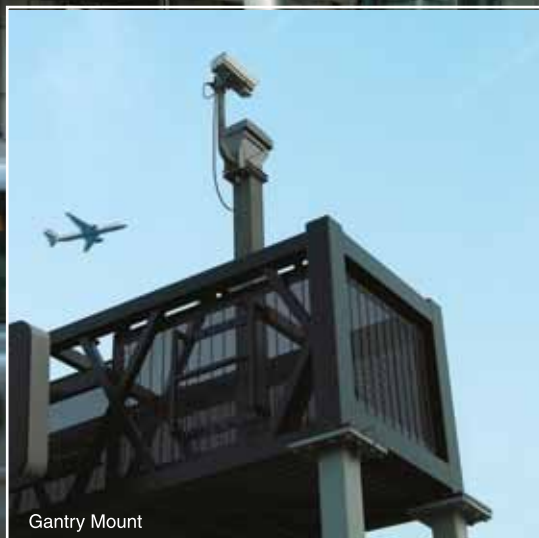




“WEC is the number one, unrivalled market leader in the European CCTV industry today”



Roadside enclosure



Gantry Mount



CCTV

Camera Mounting Solutions

WEC CCTV is the number one unrivalled market leader in the CCTV industry today with over three decades of experience in the design, production and manufacture of CCTV columns, poles and towers. We produce a wide range of products and small ancillary items such as brackets and cages. With a large number of standard items always in stock, we can provide products quickly and with the minimum of fuss. We are a competitive source of supply for your CCTV mounting products and, coupled with a highly skilled engineering team, this ensures we are well positioned to meet the current and future demands of the CCTV industry.

Our engineers use computer aided design (CAD) facilities dedicated to the closed circuit television and associated industries and are able to direct and channel their vast knowledge and skills to produce camera mounting solutions.

Constant self investment programmes have enabled us to acquire the very latest in laser cutting and metal forming technology. Our vast array of modern technology ensures that we remain market leaders, by providing customers with the highest quality and accuracy manufactured by any company today.

The transport fleet at WEC not only offer a delivery service, but provide a column delivery and placement service; we currently deliver and place columns up to 18 meters in height onto prepared bases throughout the UK and Europe. Deliveries can be made to suit your needs and if the situation arises where you require evening, weekend or night time deliveries, our efficient transport department will be only too happy to liaise with you.

Our bespoke services team are experts in helping you overcome difficult and awkward mounting solutions. We are able to work from all types of drawings from photographs and simple sketches through to full engineering drawings. Seven day a week production ensures that all special orders are on site with the minimum of delay.

www.wec-cctv.com



Bespoke bracket



Cabinet base pole

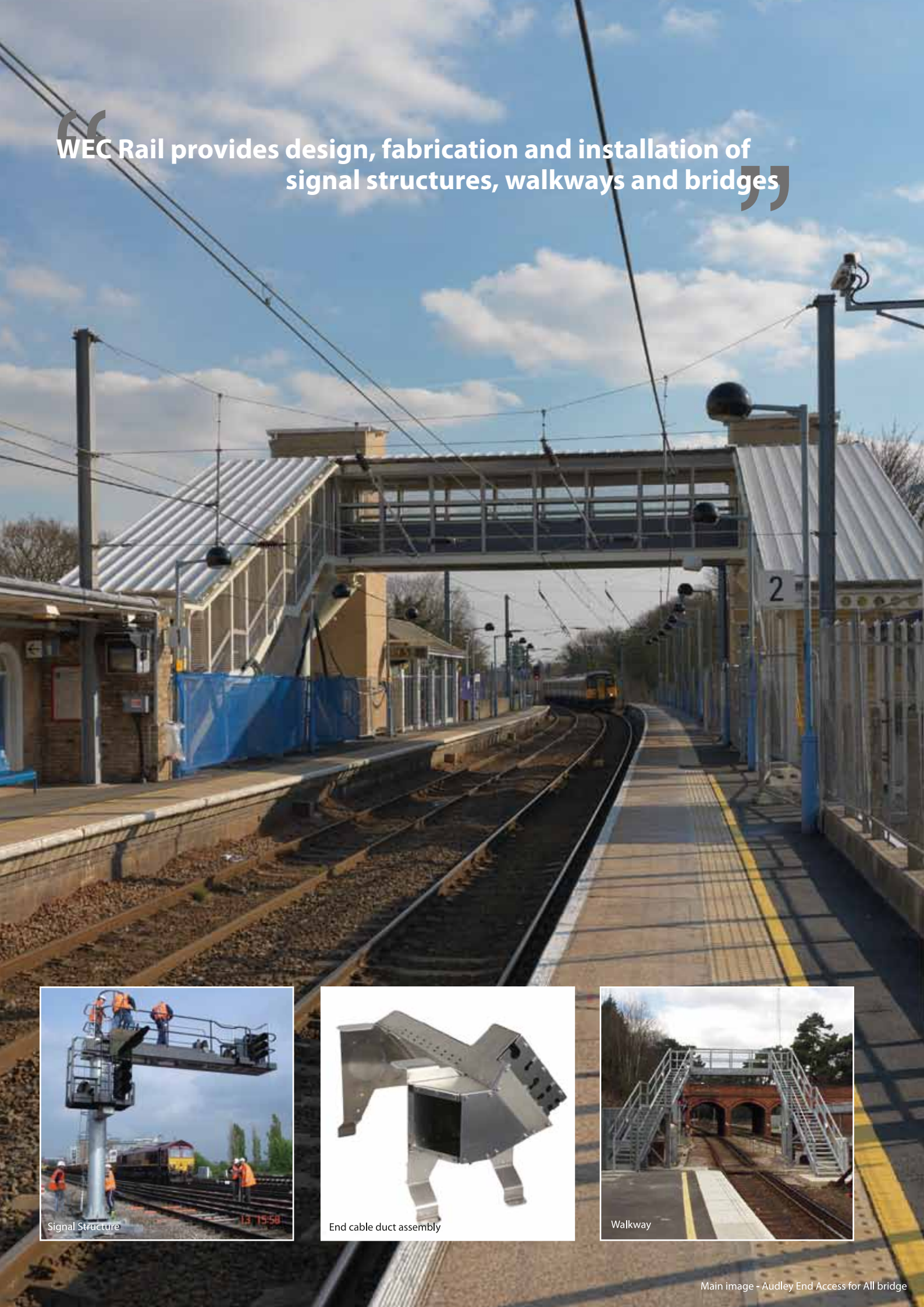


Victorian style column



Lattice tower

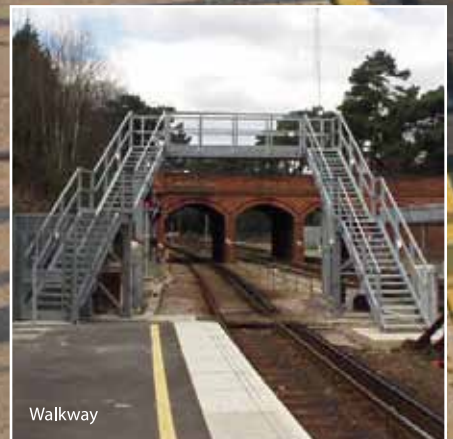
“WEC Rail provides design, fabrication and installation of signal structures, walkways and bridges”



Signal Structure



End cable duct assembly



Walkway



RAIL

WEC Rail is currently a leading force in providing innovative design, fabrication and installation of signal structures, walkways and bridges, as well as provide rolling stock metalwork, CCTV mounting solutions and outdoor cabinets. We are also experienced in rail refurbishment, including the safe disposal of redundant equipment and structures.

SIGNAL STRUCTURES AND BRIDGEWORKS

WEC Rail offer a variety of structures to suit all requirements. We are specialists in signal structures, straight post signal platforms (912mm, 1272mm & 1500mm width), gantry and cantilever type structures, all designed with the view of 'ease of installation'.

We have a very knowledgeable and experienced team of designers in-house to provide innovative design ideas for your requirements. Our design team can also offer Form A, Form B, structural calculations and Cat 2 checks.

We possess years of experience in rail installation and are proud of our highly skilled team of fitters, welders and fabricators, including PTS accredited staff, slinger banks men and IPAF accredited MEWP operators.

ROLLING STOCK METALWORK

From structural metalwork and under-frames through to electrical enclosures and body end cubicles, WEC Rail is experienced in delivering high quality rolling stock metalwork to the industry. We work closely with world-class component manufacturers to ensure the highest levels of quality and boast a comprehensive customer base featuring many well-known names in the rail industry.

We carry rail specific materials i.e. approved earth bonds and fasteners, which enables us to provide a rapid response to customer requirements. We have on-site capability to hold stock for rapid release, providing flexibility for your MPS.

We are experienced in rapid prototyping and retro-fitting, working with customers to improve current products in a cost-effective manner. Please do not hesitate to contact us to discuss your specific requirements.

CCTV TOWERS & OUTDOOR CABINETS

Supplying camera towers, poles & columns, as well as brackets and accessories, our CCTV division is well-placed to meet the needs of the rail industry, offering a range of mounting solutions and accessories.

WEC Rail offers a wide and varied range of outdoor cabinets, from standard off the shelf products to those tailor made to specific customer requirements.

Due to the critical nature of the products we manufacture, we are accredited to BS EN ISO 9001:2008, Link-up approved and adopt the FAI approach in all we do.

As with many projects a slight variance in design could lead to a significant change in the total project cost. At WEC Rail we understand the need to optimise design as far as possible whilst maintaining the functional use of the end product.

www.wecrail.com



Rail gantry



Outdoor cabinet



training **academy**

Welding and Engineering Training Academy

Set up in 2006, we are extremely proud of our Welding and Fabrication Training Academy. The Academy offers apprenticeships to individuals who have a general interest and ability for welding and fabrication.

As the only apprenticeship scheme of its type in the UK, the Academy has an excellent reputation and is held in high regard by the local community and educational institutions. The Academy works alongside Darwen Vale High School offering advice and support in all aspects of engineering. Pupils from the school have the chance to attend day visits to the Academy, where they can assist with various projects. Students are also given the opportunity to attend an eight week welding and fabrication course which involves Year 11 pupils working on engineering projects.

The Academy receives a high number of applications every year and candidates are put through a rigorous selection process where they are assessed on their qualifications and also their practical ability for engineering; apparent by examples of work candidates are asked to bring with them.

The first year of the five year apprenticeship scheme is split between four days of practical work and one day theory. Students work towards a nationally recognised City & Guilds 2800 qualification as well as NVQ level 3, which is now delivered in-house. The apprentices have access to the latest welding equipment to enable them to achieve the necessary skills in areas such as MMA, MIG and TIG welding, pattern development and plate fabrication. Our students

also work towards achieving the WEC 500 BS EN certificate in coded welding; something which we are particularly proud of.

Our apprentices are involved in various projects throughout their apprenticeship, starting with the fabrication of a hinge. What may seem a simple task is in fact one which requires a great attention to detail; crucial if the hinge is to perform as expected.

The students apply their new-found skills to a number of engineering projects making simple items like tools and tool boxes, to fabricating bridges, benches and even a suit of armour! Past projects have included the fabrication of a 10m bridge and a 6m diameter structural steel garden. The latest project is a Spitfire plane memorial for Darwen Town Centre.

To celebrate the success of the apprentices, an Annual Apprentice of the Year ceremony is held to recognise their achievements. Attended by distinguished guests, family, industry and education representatives, the awards ceremony is the highlight of the year for the apprentices.

The Academy is also proud to be an active member of the AWFTE (Association of Welding and Fabrication Training & Education).

www.wec-group.com/wecacademy.html





WEC Group Ltd.
Britannia House, Junction Street
Darwen, Lancashire
BB3 2RB

Tel: +44 (0)1254 773718
Fax: +44 (0)1254 700254
Email: info@wecl.co.uk
www.wec-group.com



Welding Engineering
Springvale House, Springvale Road
Darwen, Lancashire
BB3 2ES

Tel: +44 (0)1254 773718
Fax: +44 (0)1254 771109
Email: fabrication@wecl.co.uk
www.welding-eng.com

m-tec
Springvale House, Springvale Road
Darwen, Lancashire
BB3 2ES

Tel: +44 (0)1254 773718
Fax: +44 (0)1254 783287
Email: info@m-tec.uk.com
www.m-tec.uk.com



Laser Engineering UK
The Technology Centre, Junction Street
Darwen, Lancashire
BB3 2RB

Tel: +44 (0)1254 700201
Fax: +44 (0)1254 700251
Email: laser@wecl.co.uk
www.laser-eng.com

5750 Components Ltd.
1 Overbrook Lane, Villiers Court
Knowsley Business Park, Merseyside
L34 9FB

Tel: +44 (0)151 5485750
Fax: +44 (0)151 5481222
Email: sales@5750components.co.uk
www.5750components.co.uk



WEC Machining
Britannia House, Junction Street
Darwen, Lancashire
BB3 2RB

Tel: +44 (0)1254 700222
Fax: +44 (0)1254 700233
Email: machining@wecl.co.uk
www.wec-machining.com



WEC CCTV
Britannia House, Junction Street
Darwen, Lancashire
BB3 2RB

Tel: +44 (0)1254 700200
Fax: +44 (0)1254 873637
Email: cctv@wecl.co.uk
www.wec-cctv.com



WEC Rail
Springvale House, Springvale Road
Darwen, Lancashire
BB3 2ES

Tel: +44 (0)1254 773718
Fax: +44 (0)1254 771109
Email: wecrail@wecl.co.uk
www.wecrail.com