



OIL & GAS  
OFFSHORE  
SUBSEA  
RENEWABLE ENERGY

# OFFSHORE & RENEWABLE ENERGY

OIL & GAS | SUBSEA | WAVE & TIDAL

WEC Group has been providing fabrication, profiling and precision engineering services to the offshore and oil & gas industries for over 35 years.

As offshore manufacturing constantly evolves in both size and complexity, our continued investment in the latest state-of-the-art technology means we can always provide a comprehensive one-stop-shop service at the industry's highest standard.

## DAVIT CRANES

We are heavily involved in the fabrication of assemblies for a leading Davit Crane manufacturer following substantial investments in the latest dynamic waterjet cutting machinery, fabrication technology and state-of-the-art CNC machining centres.



From specialising in the machining of valve flanges, subsea connectors and pipeline recovery tools to the manufacture of pressure vessels, heat exchangers and davit cranes, we are well placed to accommodate the demands of projects both large and small.

## TURBINE FABRICATION

We have supplied turbine parts for developments in the Irish sea. Our clients rely on us to provide short lead times with no compromise to quality.



FS 605930

Accredited to ISO  
9001:2008, we regard  
quality as imperative



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## PRESSURE VESSELS

We are heavily involved in the manufacture of highly complex fabrications such as pressure vessels and decompression chambers to BSEN550 Cat 1 Vessel standards for the subsea industry as well as various heat exchangers to ASME standards.



## PUMPS & VALVES

We design and manufacture large machined fabrications for the offshore and subsea sector such as valves and pump bases.

Product development, design, engineering, manufacturing, testing, qualification and delivery is all undertaken by our highly skilled, in-house team.



## OFFSHORE REELS

Over the years we have been involved in the fabrication and supply of a number of large Offshore Reels for a leading manufacturer.



## BOAT LANDING SYSTEMS

Trusted with multi-million pound contracts for leading industry experts, we have produced over 300 Boat Landing Systems for both UK and European offshore wind farms, including Nordsee Ost, Borkum West, Ormonde, and most recently Humber Gateway.



## SECONDARY STEELWORK

Our extensive tubular cutting and profiling capability enables us to supply competitive volume fabrication for the offshore and renewables secondary steel market.



## SUBSTATION PLATFORMS

We provide structural, mechanical, piping and layout expertise for offshore substation platforms. This includes topside design and engineering, J-Tube design, jacket design, fabrication and shipping.

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## PROFILING

LASER | WATERJET | FLAME | PLASMA

WEC Group is one of the few profiling companies in the UK to offer four different cutting methods under one roof; laser cutting, waterjet cutting, flame/oxy gas cutting and High Definition plasma cutting.

Thanks to recent investments in the latest dynamic waterjet technology, we are now heavily involved in the profiling of assemblies for a leading Davit Crane manufacturer.



## MACHINING

CNC MILLING & TURNING | HEAVY MACHINING

WEC Group manufactures precision machined components as well as large assemblies for the offshore and oil & gas sectors.

From our purpose built 33,000 sq. ft. production facility fitted out to create a highly modern and fully functional machine shop, we carry out machining for a range of subsea and oil & gas components including casing and tubing heads, valves and pump bases, flanges with hammer union outlets, and many more.



## FABRICATION

CODED WELDING | ROBOTIC | MIG & TIG

Working to BS/EN 1090 standards and with over 150 skilled welders, craneage facilities of up to 30 tonnes and a wide range of modern fabrication equipment including robotic welding, we provide TIG, MIG and arc coded welding services as well as large machined fabrication.

Certified to ISO 9001:2008 and BS EN 1090 we have over 35 years' specialist experience and undertake complex offshore projects such as pressure vessels, decompression chambers and various heat exchangers.



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# Capability

All services  
available  
in-house



## WELDING & FABRICATION

- > 150 skilled welders/fabricators
- > Robotic welding
- > Pressure vessels
- > Decompression chambers
- > Heat exchangers
- > Secondary steelwork

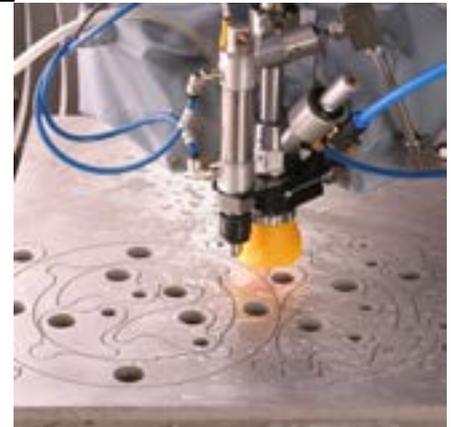


## LASER & PLASMA CUTTING

- > 18 Laser Cutting Machines (cutting up to 20m x 3.2m)
- > High-Definition Plasma Cutters (up to 25m x 5m with 40° bevel)
- > 2 Tube Lasers ( 6m x 200mm dia. and up to 225kgs)
- > 1 Robotic Plasma Tube Cutter (8m x 1000mm dia x 40mm wall thickness)

## SHEET METALWORK

- > CNC and Robotic Bending (up to 7.2m wide and 640 Tonne)
- > Bending & Folding
- > Pressing
- > Rolling
- > Forming
- > Grinding and Polishing



## WATERJET CUTTING

- > 4 Dynamic Waterjet Machines
- > Cut any material up to 12m x 3m x 200mm thick
- > Accuracy that matches machined tolerances of + / -0.1mm



## FINISHING

- > Powder Coating
- > 2 Automatic Reciprocators
- > 4 stage in-line pre-treatment plant
- > Shot Blasting
- > Wet Paint



## MACHINING

- > 33,000 sq. ft. dedicated facility
- > 40+ CNC Machining Centres
- > CNC Turning up to 3.8m length, 920mm diameter
- > CNC Milling up to 11.5m length

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# WEC Group at a glance

**500,000 SQ FT**  
of Manufacturing Floorspace



**625**

Highly Skilled Staff

**8**

Manufacturing Sites

**14**

Specialist Divisions



**150** Skilled Welders

Blackburn  
with Darwen

Leeds

Liverpool

Sheffield



**60** Apprentices

**24** Profiling Machines

**18** Press Brakes

**40** CNC Machines

**11** Robot Welders

**mtl**

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