

Barnshaws plate rolling expertise helps produce fresh water and electricity for offshore renewable construction project

Submitted by: Barnshaw Section Benders

Wednesday, 10 October 2012

Barnshaw's Bending Centre in Hamilton was recently awarded with an innovative project involving a wave device for a leading UK offshore company. This was due to Barnshaw's previous experience working within the renewables sector and our competitive prices / quick turnaround time.

The customer played an important role in generating energy from waves, with the added ability to also provide drinking water simultaneously for countries in need. Barnshaw's were naturally very excited to obtain this assignment.

Barnshaw's Bending Centre in Scotland prepared and rolled aluminium plates. The Hamilton branch provided the project with 388 rolled cylinders at 121 tonnes (800 O/D at 2m wide x 8mm thick). In total the plate bending work took up to 3 weeks.

The end-result of this project presented a float traveling up and down with the waves and operating a pump to pressurise seawater, which was piped ashore. Many individual pumps were connected together to produce substantial amounts of pressurised water. Once ashore, the seawater was used to drive a standard hydroelectric turbine to produce electricity.

For more information about plate bending for offshore renewable construction please visit our website www.barnshaws.com. You can also find out more about our latest bending projects at www.barnshaws.com/blog/

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Note to editors:

Established in 1969, Barnshaw Section Benders are based at six manufacturing sites around the UK, located in the West Midlands, Manchester and Hamilton, Scotland. Across these sites over 120 specialist machines are housed, and have provided steel bending services for some of the country's largest projects, including shopping centres, football stadiums, airports, and most recently the Olympics.

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