

# ALSTOM

## CASE STUDY

*Alstom has a long local history spanning more than 100 years, and today employs 2,000 people at three sites in our area. The company has an annual local spend of £32.5 million in 2011/2012 and serves the electricity transmission and power generation markets through its two business sectors, Alstom Power and Alstom Grid.*

Alstom Power is currently principal provider for Generator Service, Monitoring and Life Extension in the UK. The Thermal Manufacturing operation which includes the Generator Service Factory has been designated a global “centre of excellence” for rotor coil manufacture. In 2012, employees at this factory completed the largest piece of equipment built at the Stafford site for several decades, a 330 tonne generator stator destined for the Chinese power system.

The Stafford company’s specialisms include power transformers, high voltage substations (main supplier to National Grid), power electronics HVDC, automation (including smart grids) and generator service work.

Alstom operates the UK’s only high power, high voltage facility of its kind – performing state-of-the-art transformer design, manufacturing and testing. In the last 12 months alone, Alstom Grid in Stafford has engineered, manufactured and exported a range of power generation and power transmission technologies to customers in China, Brazil, Canada and here in the UK.

*Over a third of our UK workforce is based in Stafford, serving both local and international markets. Stafford has been our home for over a hundred years and with the on-going support of the community we are proud to continue this strong relationship. Our decision to deploy a £40 million investment programme was hugely assisted by the award of £4 million RGF support from UK Government. Stafford is very much open for business.”*

**Steve Burgin, President Alstom UK.**

In 2012 more than 250 employees participated in the design, engineering and manufacture of four converter transformers for the world’s longest DC transmission line in Brazil. The Stafford Centre is now supporting power transformer factories in Canoas, Brazil, and Wuhan, China, to produce the remaining 24 UHVDC converter transformers required for the project.

The company recently celebrated the 50th anniversary of its HVDC business, and is scaling up operations to include mass manufacturing of key components for this flagship technology. The new engineering and manufacturing facilities are part of a £40m building investment in Stafford, which will shortly house the manufacture of valve modules for Alstom’s next generation HVDC technology – VSC (Voltage Source Converter).