

## Nuclear

### **DAHER confirms its key role in the UK nuclear energy market: The equipment and services supplier is developing an innovative container system for the long-term storage of intermediate level waste for SELLAFIELD.**

DAHER reports the successful outcome of the first qualification test on the industrial container system developed for SELLAFIELD. This storage system is for the long-term storage of intermediate level waste.

SELLAFIELD, who manage the site which processes 80% of the waste from the British nuclear industry, needed an innovative storage system to comply with the British regulatory authority's policy for managing long-term nuclear waste.

In September 2007 SELLAFIELD awarded a contract to DAHER to develop the first storage system to satisfy these requirements.

Following two years of development, DAHER delivered the first prototype in November 2009 and then began a series of qualification tests to demonstrate the storage system's performance. The first test was carried out in Germany at the beginning of December and was completed successfully. The storage container, filled with a 10 ton load, resisted being dropped from a height of 15 metres onto its edge against an incompressible surface. Final qualification of the storage container is scheduled to be completed by the end of 2010.

Starting from an initial design, DAHER designed and developed the industrial storage system to satisfy every requirement in the specification: working life, corrosion resistance, decontaminability, use in an entirely automated environment, capable of being mass-produced, and with a long-term requirement to manufacture about 30,000 units.

To ensure the best solution to the working life requirements, SELLAFIELD and DAHER together chose to manufacture the container from DUPLEX stainless steel. Working this material, in particular machining and welding it, is difficult and requires very specialized knowledge that is not very widespread.

Based on the excellent working relationship developed during the design, manufacture and qualification testing of this first container, SELLAFIELD widened the scope of contract with DAHER in August 2009 to include the manufacture of several variants to satisfy further specific storage requirements, including the long-term storage of radioactive sludge and other effluents. This initial contract extension will require a further twenty or so DAHER engineers for more than three years.

DAHER is carrying out similar work in France, in Germany (with its NCS subsidiary) and in the USA (with its TLI subsidiary), thus strengthening its commitment to the nuclear power industry. DAHER is now playing a major role in creating new cost-effective solutions for the safe movement and storage of various types of fuel and waste in the nuclear power industry.

#### **About DAHER - [www.daher.com](http://www.daher.com)**

DAHER is a European integrated equipment and services supplier.

DAHER specializes in the Aerospace, Nuclear, Defence and Industry sectors, concentrating on three core activities: manufacturing, services and transport, which it combines into a single worldwide offering.

Founded in 1863, DAHER is an independent, international group with installations in 12 countries. DAHER has tripled in size over six years to reach an annual turnover of 740 million Euros in 2009.

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