



## Separation Area Ventilation (SAV) Building Sellafield, Cumbria

### Location

Sellafield, Cumbria

### Client

British Nuclear Group Ltd

### Main contractor

Kier

### Engineer

Atkins

### Architect

Jacobs

### Tonnage

354 tonnes

### Completion date

2010

**A total of 354 tonnes of fabricated steel was supplied by Severfield for Sellafield's Separation Area Ventilation (SAV) project in an effort to reduce long-term maintenance.**

The Separation Area Ventilation (SAV) project involved the replacement of legacy ventilation systems, the re-routing of exhaust ductwork, and the creation of new filters and a discharge stack. To minimise long-term maintenance, all ductwork is fabricated in stainless steel provided by Severfield.

The two-storey structure is comprised of composite metal decking, stairs, platforms and link bridges. A full seismic design has been applied to the structure - which is tested using an Earthquake ground motion simulator - ensuring that the facility continues to function and serve its purpose even after an Earthquake.

Additionally, Severfield was responsible for the supply and installation of the purlins and cladding system. The erection of the structure was completed using a combination of crawler cranes and a self-erecting mobile tower crane in areas with a high level of security.

Severfield's involvement in this project is fundamental to the longevity of the SAV Building. The structure's steelwork and seismic design will serve its purpose for years to come.