



Sellafield SRP

Sellafield, Cumbria

Location

Sellafield, Cumbria

Client

Sellafield

Engineer

Sellafield

Architect

Mott MacDonald

Tonnage

2,600

Completion date

July 2025

The Sellafield Product and Residue Store Retreatment Plant (SRP) project is part of a multi-billion-pound project funded by the Nuclear Decommissioning Authority (NDA) to provide safe long-term storage and processing of nuclear materials. Severfield are trusted to be a part of this complex project, with our scope involving the connection design, fabrication, and erection of a Nuclear Seismic structure. Upon completion, this facility will be essential in ensuring the safety and security of nuclear materials.

The structure consists of a multi-level internal structure, featuring a robust beam and column frame with minimal internal bracings. To meet specific requirements for the inside of the building, Severfield incorporated secondary steel for the construction of internal partition walls within the main structure. Four levels of external corridors have been designed to facilitate efficient service access. These corridors seamlessly connect to adjacent buildings through link bridges, ensuring smooth access for operational efficiency.

A dedicated plant room structure on the roof level is allocated for essential plant equipment, playing a crucial role in supporting the overall functionality of the facility. The integration of secondary steel within the plantroom provides additional structural support for the critical components housed within.

Severfield's involvement in this project showcases our expertise in tackling complex engineering challenges and providing high-quality and reliable structures into the nuclear sector.