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## 150 Tonne Test Facility for Nuclear Industry Cranes

### Heanor, Derbyshire UK

Following the collapse of Butterley Engineering & Cranes Company in 2009 Cullum were awarded a contract by Sellafield Limited to carry out the completion and installation of two High Integrity Cranes for the West Cumbria Reprocessing Plant.

A requirement of the contract was the need to carry out exhaustive works testing and pre-delivery commissioning. Recognising the lack of facilities for such specialist testing in the UK Cullum took the decision to construct a new 150 Tonne Capacity Test Facility at its Derbyshire works.

Construction began in June 2010 and was completed in August 2010 following an aggressive build schedule.

The facility is fully operational and capable of full load testing to 150 Tonne with the ability to carry out investigative work into dropped load case studies.

Scope included

- **Design Study of Support Steelwork**
- **Civil Design**
- **Excavation of Test Pad**
- **Deep Piling with High Tensile Steel Pipe**
- **Single Pour Casting of Test Pad**
- **Erection of Crane Support Structure**
- **Access Platforms and Stairways**
- **Electrical Supplies**
- **Heating & Lighting**
- **Integration of Crane Control & Safety Circuits**
- **Loading of the Crane Test Vehicle**
- **Performance & Commissioning Testing**