



Client: AkzoNobel Powder Coatings Ltd
Project: Felling Pilot Plant

Background

AkzoNobel is a leading global paint and coatings company and a major producer of specialty chemicals.

The company operates in 80 countries and employs 50,000 people around the world. It is committed to delivering leading products and technologies to meet the growing demands of our fast-changing world.

Requirement

AkzoNobel required a process package for a 250 litre reactor system.

The design was a scale-up of an existing 140 litre reactor system at the Felling Plant.

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Haden Freeman has been working with AkzoNobel for almost ten years now but this is our first project with the Felling site.

The project is now up and running to AkzoNobel's satisfaction

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Rob Warlow
 Project Manager
 Haden Freeman Limited

Our Response

HFL provided a detailed specification document which included the process design and production of enquiry packages for the main process equipment, including the following:

- 250 litre reactor (6 barg) with heating/cooling surfaces and sampling system
- Two header vessels
- Distillation column
- One condenser
- One vac. pump
- Package heating / cooling system for vessel (250 degC)
- Distillate vessel
- Relief device (burst disc or valve) and relief stream calculation
- Relief catch tank

Result

AkzoNobel utilised the package produced by Haden Freeman to purchase the process reactors along with associated equipment. The new equipment is now fully installed and operable and has enabled AkzoNobel to considerably increase the pilot plant utilisation.

