



Client : Lansdowne Chemicals Ltd  
Project : Bulk Handling & Containment Facilities

### Duration

11 months

### Value

£1.5M

### Background

Lansdowne Chemicals is at the forefront of the global chemical industry. The Company is the largest consumer of Hydrazine Hydrate in the UK and the market leader in diluting the product.

### Requirement

Lansdowne wanted a new facility to process and bulk handle greater amounts of Hydrazine Hydrate in a safer and more cost effective way.

### Our Response

HFL designed and implemented a new facility through a multi-disciplinary approach that minimised downtime and allowed the existing facility to remain fully operational throughout the works. The project involved the installation of segregated underground drainage, bunded areas for bulk storage tanks, provision of M&E services, new process pipework and a compressor upgrade.

The final design provides increased processing and bulk handling capability, whilst offering containment in the event of a spillage - meeting the requirements of the Environment Agency. A completely closed transfer system ensures there is no human exposure to the product and integrated technology provides the ability to monitor product inventory and process conditions.

### Result

“Increased productivity and improved plant safety has provided Lansdowne with significant competitive advantage in the market place.

We have been thoroughly impressed with the work carried out by Haden Freeman. Potential risks were identified early and measures were put in place to ensure the project was implemented without delay.”

Managing Director  
Lansdowne Chemicals Ltd

“The resulting facility means that the plant can process greater amounts of Hydrazine Hydrate and manufacture it in a safer and more cost effective way.”

Malcolm Davies  
Health and Safety Advisor  
Haden Freeman Limited

