



Client : Lansdowne Chemicals  
Project : New Automated Dilution & Filling Process Plant

### Background

Since the company's formation in 1977, Lansdowne Chemicals has established itself at the forefront of the global chemical industry. Haden Freeman has been providing Lansdowne Chemicals with engineering support for over 10 years.

### Problem

Lansdowne supplies Hydrazine Hydrate for use as an oxygen scavenger of boiler feed water, preventing corrosion damage in high pressure boilers used in the power generating industries and used as a chemical intermediate for a number of different applications. When the HSE inspected the site and assessed the processes, the HSE and Lansdowne agreed that there was a heavy reliance on both personal protective equipment (PPE) and Respiratory Protective equipment (RPE).

### Result

Lansdowne chose to invest £1.6 million in a remarkable engineering solution provided by Haden Freeman. HFL designed, built and commissioned a new automated dilution and filling process plant that relies on a sealed transfer utilising dry-break couplings. By introducing these collective improvements Lansdowne Chemicals believe they have a significant commercial advantage in the European specialist chemical market.

“Working closely with Lansdowne Chemicals we moved from concept development through to delivery of the final solution providing innovative solutions to challenging technical and operator safety issues.”

Stuart Dow  
Technical Director  
Haden Freeman Limited

