

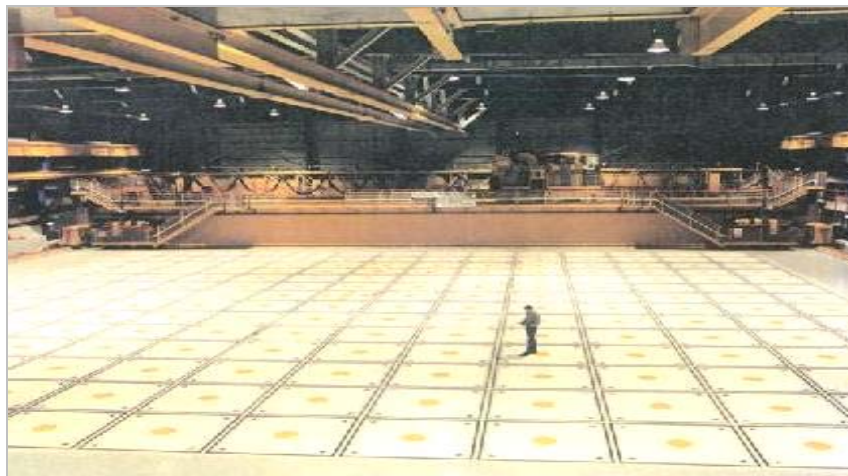
# Magnox Encapsulation Plant EP1

**Customer:** BNFL (Sellafield Ltd)  
**Project:** Magnox Encapsulation Plant (EP1)  
**Location:** Sellafield  
**Date:** 1992  
**Services:** Engineering assistance, provision of specialist machinery, pre-handover and commissioning  
**Value:** £7.6 million

## Description

The EP1 Magnox Encapsulation Plant at the Sellafield Works of BNFL receives magnox swarf and then encapsulates it in special cement drums. After final monitoring, the drums are dispatched to an adjacent store.

Several specialist engineers from Aker Solutions at Stockton assisted in the process design and engineering of EP1, which features extensive use of PLCs for sequence control and safety interlocks.



## Key Features

- Aker Solutions – Sheffield designed, manufactured and installed a tipping machine, three posting machines, two shield doors and dewatering/grouting equipment for the plant.
- Aker Solutions – Stockton then provided a team of multi-discipline engineers, which peaked at around 100, to assist BNFL with the testing and commissioning of EP1 over a 20 month period.