

## **Procter & Gamble, Longbenton**

### **Integrated Pilot Plant**

#### ***KHI Role:***

Procter & Gamble identified a requirement to extend the capabilities of the existing synthetic detergents plant in order that new types of finished powder could be produced. This required Modification / upgrade and installation of new equipment to the existing integrated pilot plant at Procter and Gamble – Longbenton.

#### ***Scope of Work:***

- Assistance with process design including P&ID development.
- Plant and equipment layout.
- Checking utilities and loadings to ensure service demands could be met.
- Civil and structural design for new building floor areas.
- Design checks of existing floor areas supporting new/repositioned equipment.
- Piping layout and design.
- Instrumentation design/specification and control integration.
- Electrical load checks, new MCC design/specification and cable routes.
- Preparation of specification and enquiry/order documentation for the supply and installation of equipment.
- Construction Management.
- Planning Supervisor and Principle Contractor appointments.