

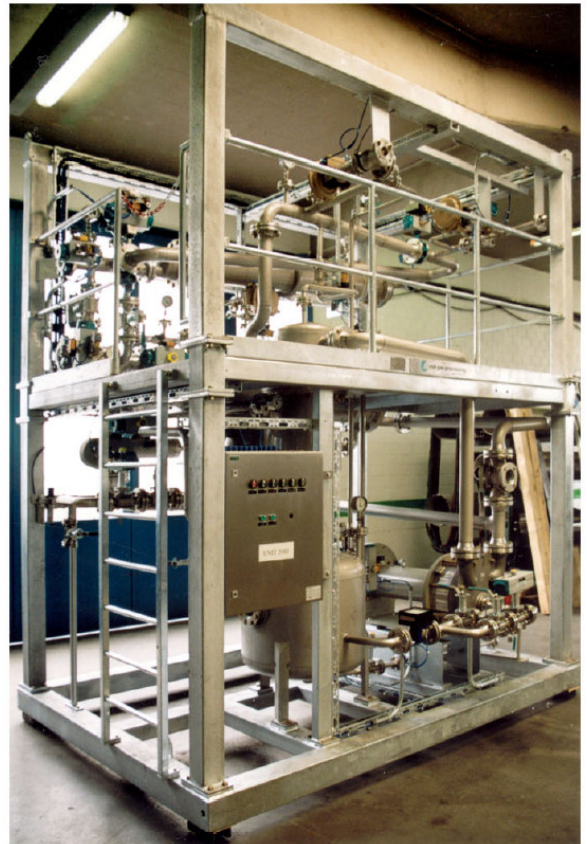
**Astra Zeneca  
Bristol - GB  
Vacuumpump with N2  
recirculation**

## Project scope

4 Package Units transportable

Control system:

- Siemens S7 1000 I/O
- Profibus
- Interface to Process control system
- English and European standards
- GAMP / FDA conform



## Implemented work

- Hardware specification and engineering
- System specification
- Panel specification
- Wiring diagrams
- Building of Panels
- Electrical installation
- Program
- Commissioning FAT at Basel
- Commissioning FAT at Basel Astra -Zeneca at Bristol (GB)
- Validation
- Documentation
- Documentation

