A new high active facility at BNFL's Technology Centre, Sellafield
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Outline

• Research & Technology Sellafield
• Research Facilities
• Project Arrangements & Programme
Research and Technology

- Underpinning Technology Requirements
  - Thermal Oxide Reprocessing Plant
  - Vitrification Plants
  - Drigg - Low Level Waste
  - Sellafield MOX Plant
  - Intermediate Waste Encapsulation Plants
  - Decommissioning
  - Solvent Treatment Plant

Research and Technology

- Enhanced Ability to Support Company Internationalisation
  - Global Clean-Up Skills
  - Provision of Advanced Fuels
  - Advanced Reprocessing Technology
BNFL Technology Centre - Vision

- An environment which promotes a forward looking innovative culture
- Create a positive image to customers and potential collaborators
- Allow for future expansion
- Efficient space management
- Value for money
- Enhanced capability

Functionality

- Offices
- Laboratories
- Rig Hall
- HA Cells
- Import/Export Facility
- Conferencing Facility
- Interaction area
- Services Infrastructure
Building Overview

BTC HA Cell

European Working Group “Hot Laboratories and Remote Handling”
Plenary Meeting 2002
September 25-27, 2002
Rig Hall

- 25m Tower
- Rig Bays
- Reagent Storage Area
- Work Shop
- Service Ring Main
- Dismantling Area

Laboratories

- Plan View
- Modular Design
- Flexible Services
- IT Flood Wired
- 14m² module
- 1.5m Wide Fume Hood
Laboratories

- Open Plan
- Natural Light
- FO

Open Plan Offices - 1

- Desk Size 2m²
- Area per person 12.8m²
- Filing Space 3.6 Linear Metres
Open Plan Offices - 2

- Flood wired for IT
- Common standard
- Informal meeting areas
- Formal meeting areas
- 243 work stations
- Archive Principal

Circulation Areas

East West Atrium
Summary

- Created an environment which promotes a forward looking innovative culture
- Created a positive image to customers and potential collaborators
- Increased Functionality
- Increased Flexibility
- Introduction of new processes
- Efficient space management