

Case Study: Conditioned Waste Store Concept Design



The UKAEA mission is to manage, monitor and control the discharge of the nuclear liabilities on each of its sites so that the environment of the site is restored in a way that is:

- Safe and secure.
- Environmentally responsible.
- Value for money.
- Publicly acceptable.



Atkins is one of the world's leading providers of professional, engineering-based consultancy and support services. Atkins operates from around the world and employs 15,000 permanent staff.



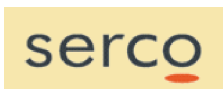
Taylor Woodrow

Taylor Woodrow is the UK's leading civil engineering firm and developer of residential and commercial property and in a leader in selected markets in North America and Spain. Taylor Woodrow also provides cost-effective design and construction solutions to new build works for nuclear facilities.



Strachan & Henshaw

Backed by the engineering and logistical strength of the Weir Group, Strachan and Henshaw is a leading mechanical systems integrator, specialising in providing high integrity design, project management and engineering solutions for Defence and Nuclear customers world wide.



Serco Assurance is a specialist technical support organisation with over 400 scientists and engineers and the resources of its parent company Serco Group plc, the international task management company. Serco works in partnership with organisations in both the public and private sectors, including the nuclear, defence, utilities and transport industries. Serco Group employs over 35,000 people in 35 countries worldwide, providing a diverse range of services to government and commercial customers.

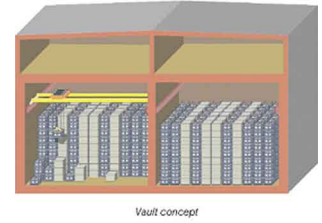


Jacobs Babbie, part of Jacobs Group, is one of the leading technical and management consultancies operating in transport and development, environment and utilities, property and structures, defence and energy, and partnerships and outsourcings markets both in the UK and internationally..

Conditioned Waste Store Concept Design

Following a comprehensive selection process, the UK Atomic Energy Authority (UKAEA) chose six companies to develop the concept design for the Conditioned Waste Store (CWS). The CWS was a flagship project for the UK nuclear industry, both in terms of the ongoing safe management of nuclear waste at Dounreay and at the time, through it being considered as the first ever nuclear-related PFI.

The Dounreay Site Restoration Plan identified the requirement to construct a new Conditioned Waste Store at Dounreay to safely manage the storage of Intermediate Level conditioned waste (ILW) pending the availability of a UK national long term ILW waste management solution.



"The Alliance has been a great success: it has achieved what it set out to do and delivered a quality product. Working together as a team has been tremendous and commitment to the project has been well recognised, thank you.", Paul Young, Project Manager, UKAEA

"Refreshing...The progress that has been made this year whilst facing up to some curvy fast balls stands testament to the commitment of the team to make this happen...", Neil Buchan, Senior Project Manager, UKAEA

Alliance & Project Leadership

It was determined that the Alliance should hit the ground running and, to this end, Namaste Management developed a comprehensive management plan for the Alliance that set out overall project management structures, processes and other ways of working. Having put in place the management plan for the Alliance, Namaste Management led the teambuilding efforts, creating and leading an integrated Alliance management team to drive the project forward to deliver a concept design solution for CWS.

"All the way through there has been excellent teamwork; I have worked in this industry for many years and I think there is probably only one other project I can think of that has come in on time, on budget and to the quality that the client wanted - rare in the nuclear industry and the team should be congratulated for that...", Kenny Robson, Director, Taylor Woodrow

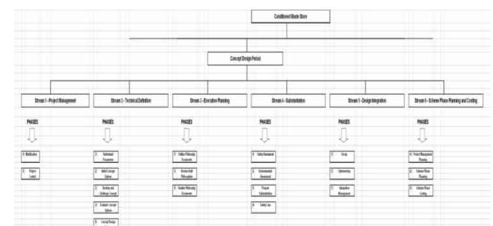
"We've enjoyed being on the job; it's been a great experience, thank you...", Jon Blenkin, Project Manager, Serco Assurance

"This team has been really good...the only project that I have worked on where all relationships and people getting on have been exceptional and I have really enjoyed it. A difficult job, and a heck of a challenge...", Ian Glease, Nuclear Design Manager, Atkins

Project Management Skills

Following a mobilisation and validation period, the Concept Design Period involved the creation and management of six separate but highly integrated Alliance workstreams to deliver an overall concept design solution to meet the requirements of UKAEA:

1. Project Management
2. Technical Definition
3. Execution Planning
4. Engineering Substantiation
5. Design Integration
6. Commercial Management



The concept design project was delivered on time, to budget and to the required quality; a great success for the whole Alliance.