



UKCCSRC ECR Awayday

Jacqueline Penn

From Newcastle. **For the world.**

My background

M.Eng Chemical Engineering, University of Sheffield 2015 – 2019

- Undergraduate summer placement with Northumbrian Water / Mott MacDonald Bentley
- Undergraduate summer placement with Arconic

Graduate Project manager at Mott Macdonald 2019 – 2021

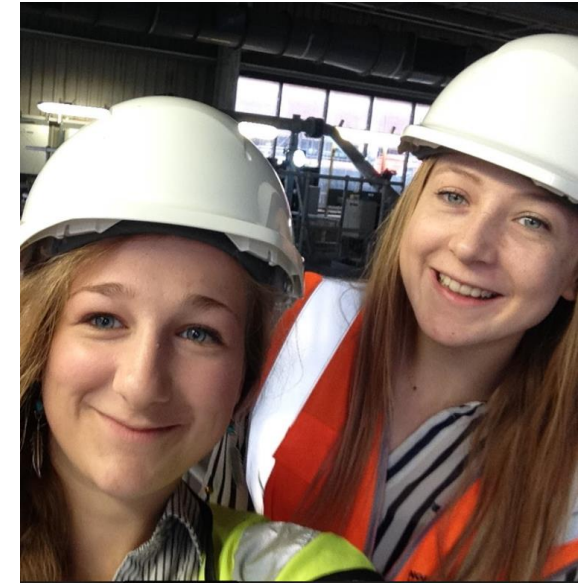
- Construction project management
- DfE, MoJ and NHS framework

Jan 2021 – Started my PhD at Newcastle University (due to finish 2024)

- Researching molten salts and dual-phase membranes for carbon capture

June 2021 – December 2021

- Academic placement with SSE thermal



Peterhead Low Carbon- background

- Peterhead Power station is a flexible gas-fired plant in Aberdeenshire, Scotland
- It is the largest station of its kind in Scotland, and plays a critical role in keeping the lights on and providing flexibility to the grid.
- SSE Thermal and Equinor developing plans for a new low carbon power station at the site equipped with carbon capture technology.
- SSE Thermal is working with the Acorn Project to back the Scottish Cluster.

Stage 2 consultation:



Why I did a placement

- Professional development
- Future career options
- Gain experience in a relevant industry
- Get a wider perspective on the energy transition to net-zero
- To be involved in an exciting project

What I did during my placement

- Wrote various reports related to the project including Basis of Design report
- oversaw contractor Front End Engineering Design and Planning Submission activities
- Attending design reviews and health and safety reviews
- Supporting the BEIS Phase 2 submission
- Supporting public consultation and site visit
- Writing reports and technical notes about other technologies and processes



Benefits of doing a placement

- Insight into how industry are approaching the energy transition to net-zero
- An insight into how CCUS is being deployed in the UK in the next decade
- Professional development and experience
- Professional skills – Communication, report writing, organisation etc
- Enhanced professional network

Thank you for listening

Any questions?