



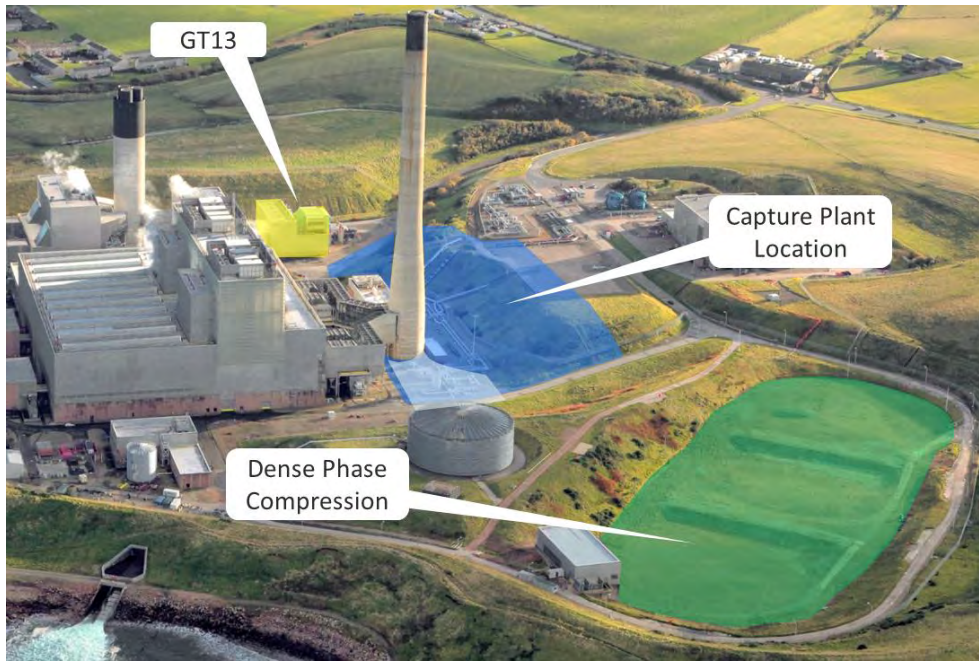
My Career in the Power Industry

James Bowers

UKCCSRC Annual ECR Meeting

23rd June 2015

SSE and CCS - Peterhead



Background

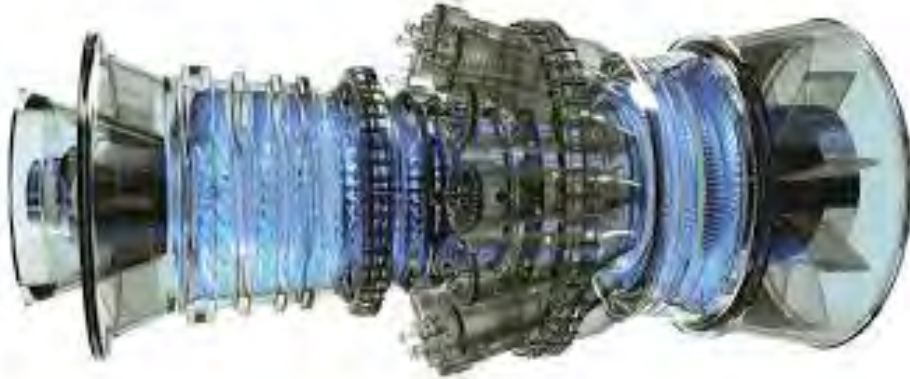
2000 to 2004: MEng Chemical Engineering (Leeds University)

2004 to 2008: PhD Nanotechnology (Leeds University)

2008 to 2014: Gas Turbine Combustion Engineer (E.ON)

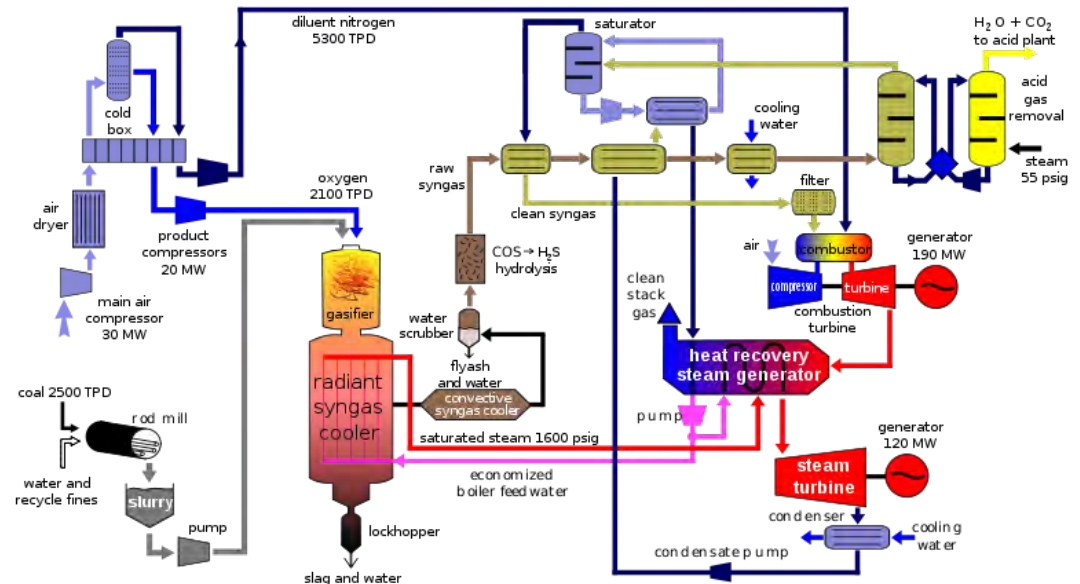
2014 to present: Technology / R&D Engineer (SSE)

Highlights



Helping power stations across Europe improve performance and prevent catastrophic failures!

Developing new innovative power station designs, including IGCC+CCS



Highlights

Industry expert in gas turbine combustion, specifically fuel quality issues and condition monitoring

Being a part of technology selection/design of new power stations and upgrades to generate affordable electricity with low emissions

Due to the nature of the power generation industry I have been lucky enough to have had a diverse range of experiences

Things I may have done differently

Read around issues facing energy market and future challenges

Engaged more with industry representatives during my studies

Gained more hands on experience on plant in early career

- Focussed my PhD research topic more on practical application
- Driven my early career more in the direction of low carbon energy technologies



Thank You for Listening

