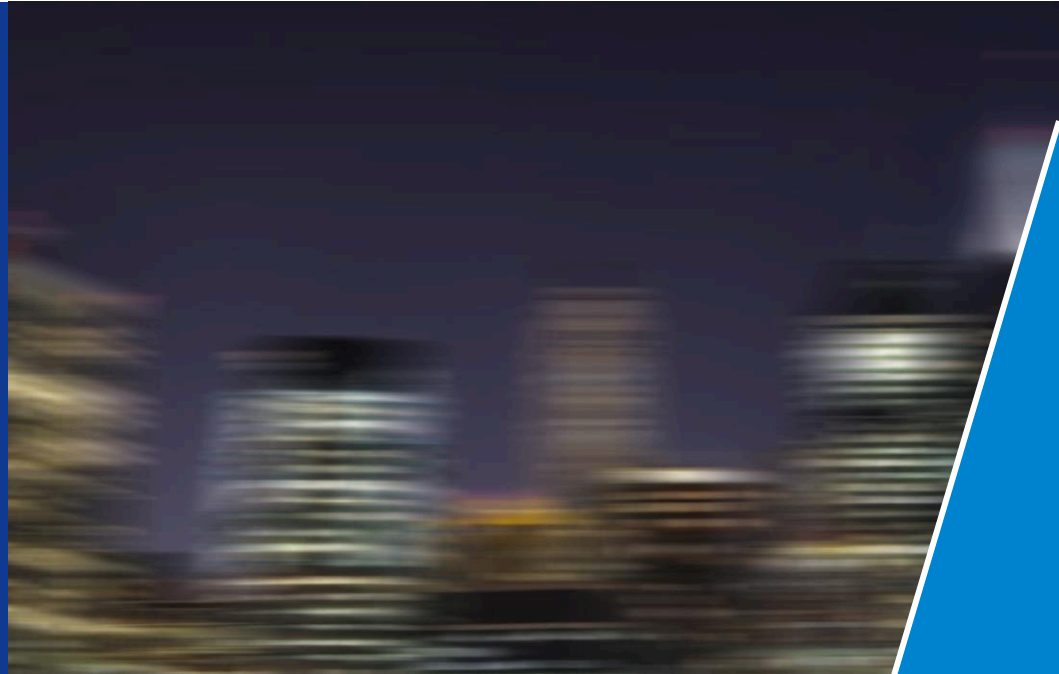




British-Czech Nuclear Forum Panel 5: Nuclear New Build

Doosan Babcock

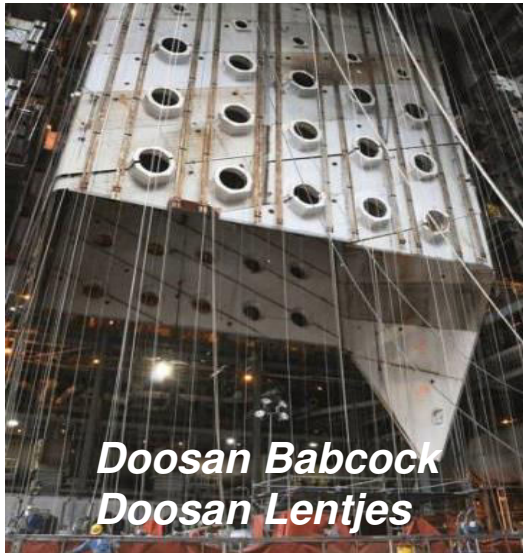
By Dr Glen Little
31 October 2013



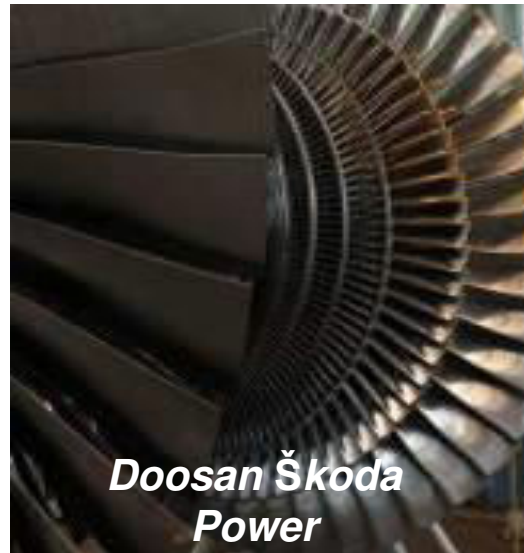
Doosan Heavy Industries

Doosan Power Systems Turnover 2012: £812m
CEO Mr J Mok Employees: 5,800

**Boiler & Air
Pollution Control**



Turbo-generators



Service



Doosan Babcock Service Business Unit



Thermal Aftermarket and MRO

Boiler Outages
Shutdowns
Maintenance
CCGT / HRSG
Steam Turbine



Nuclear MRO

Nuclear Outages
Vessel Entry
Minor Projects



Petrochemicals and Pharmas

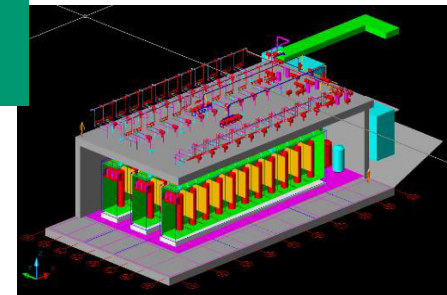
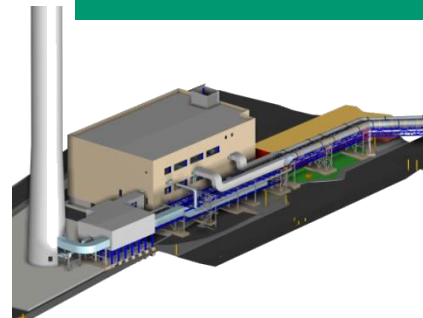
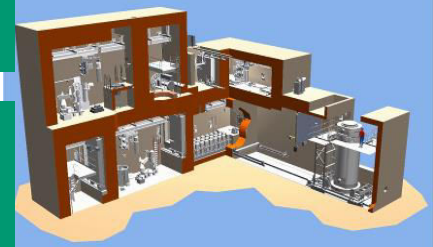
Projects
Shutdowns
De-bottlenecking
Minor EPC



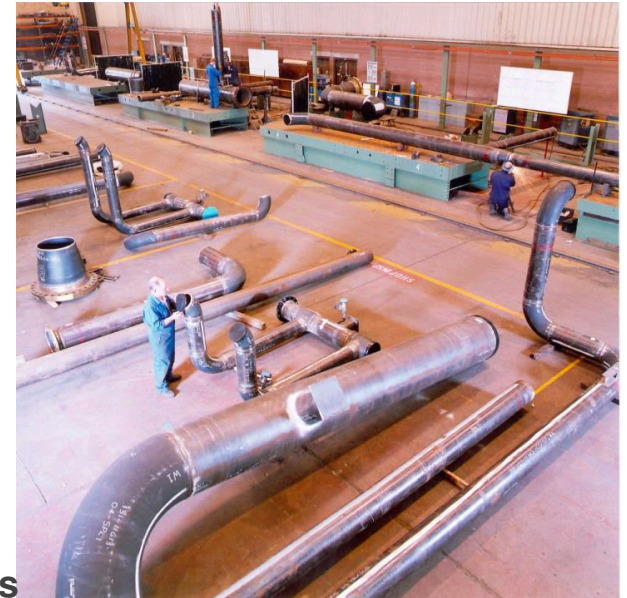
No. 1 Mechanical Contractor in UK Power Sector

Nuclear Projects

EDF Energy
Magnox Decomms
Sellafield Reprocessing



Renfrew Manufacturing



Sludge Storage Vessel

Process Piping for Ineos



Pulse Jet Mixers

Doosan Babcock Nuclear and Major Project Activities in the UK

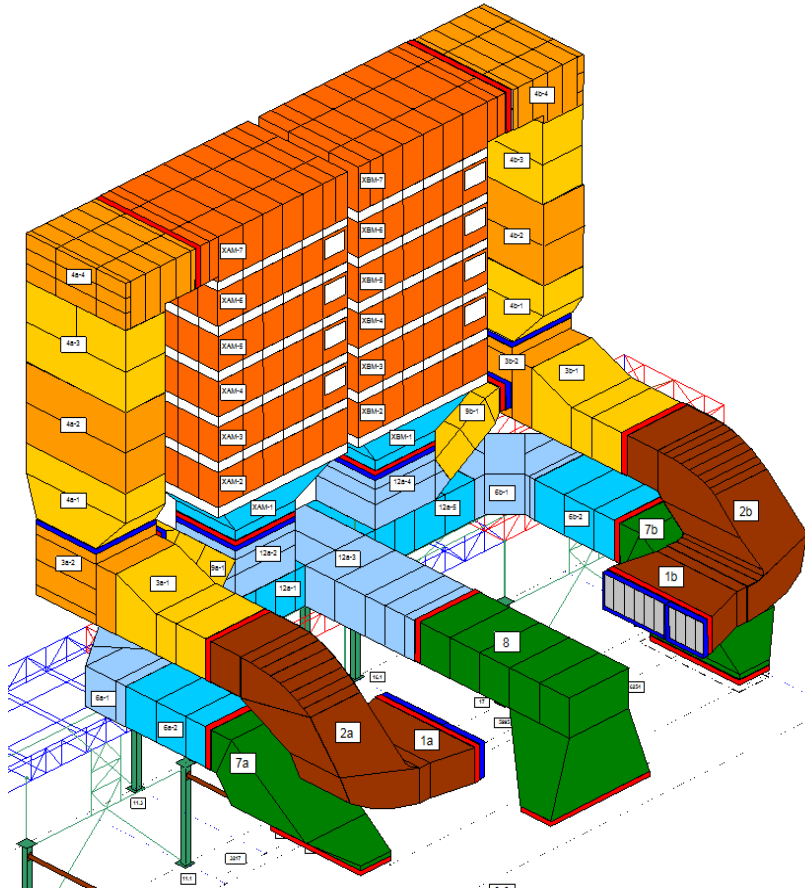
Overview of SCR Project

Project Objectives:

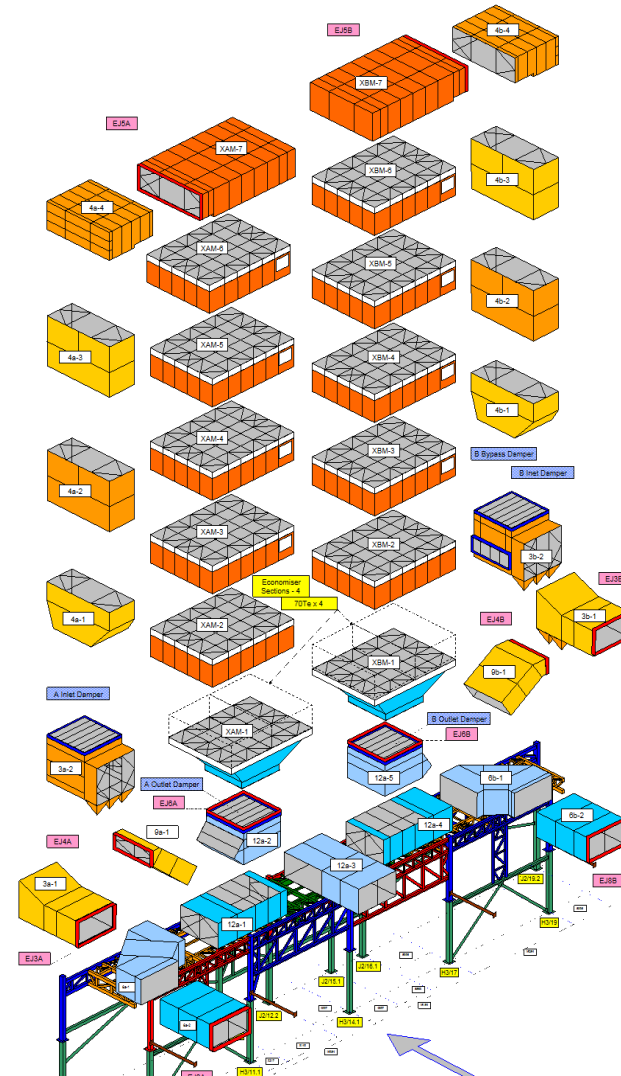
- 4 x 500 MWe Sub Critical Units (OEM Babcock)
- To be the first 2000 MW Power Station in the UK to successfully retrofit SCR to all units with low NOx emissions
- Incorporated various additional Life Extension Projects



Modular Structure and Construction showing ONE of SCR Units



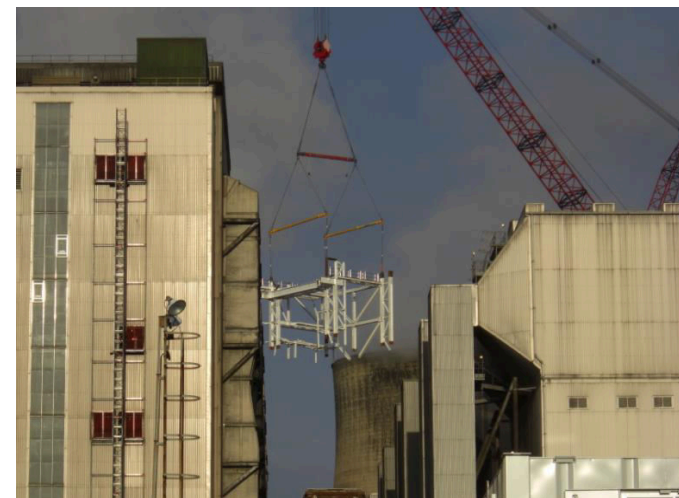
Built up in Layers from Ground up



On Site Final Assembly Facility

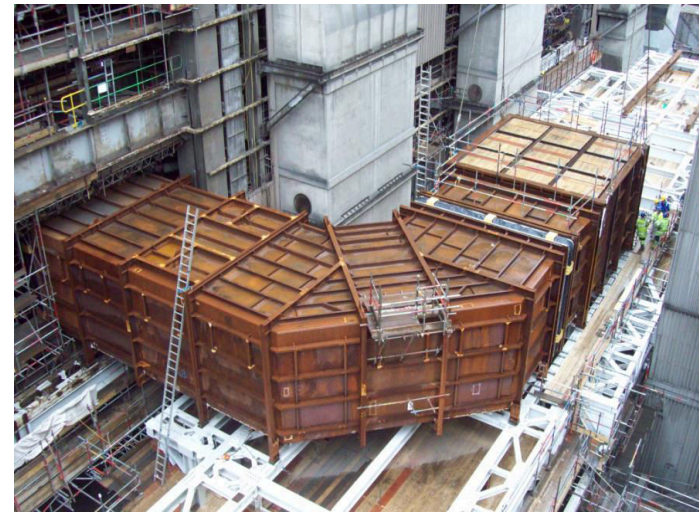
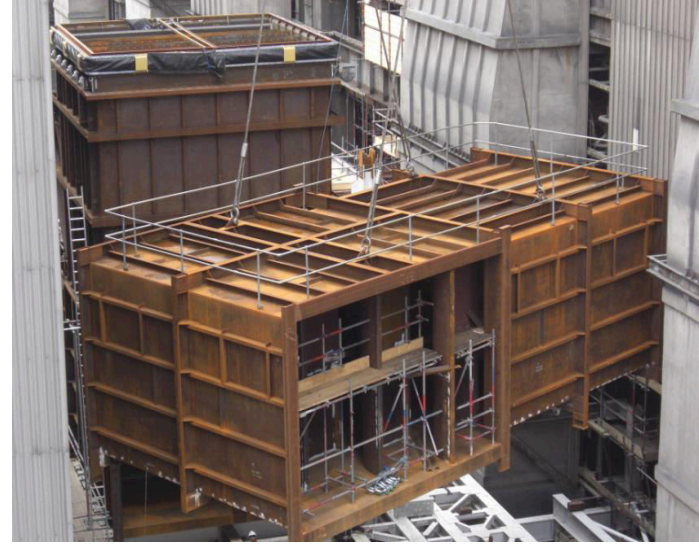


Large Crane Construction Strategy



**100 lifts of over 50 tonnes
Max -120 tonnes at 100m**

Hot Structure Flues and Ducts



Doosan Babcock Future Activities and Supply Chain Support

Doosan Babcock Nuclear Business – The Future

Doosan Babcock will continue to offer full range Nuclear capabilities from complete EPC to aftermarket service - supported by our Supply Chain

EDF Energy:

- *7 year AGR fleet support*
- *Plant upgrades*
- *Maintenance packages*

Areva:

- *Sizewell Refuelling outages to 2015*

Magnox:

- *Ongoing support to Wylfa and Decommissioning*

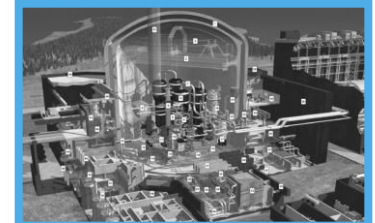
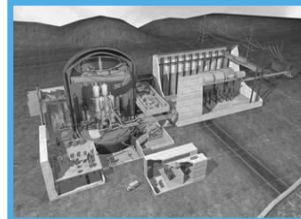
Supporting UK wide Nuclear New Build

Seeking to be Preferred Mechanical Contractor

Selective overseas involvement

Strong relationships with Utilities and Technology providers.

Through Life Support – new UK fleets



2013

2100



Thank you