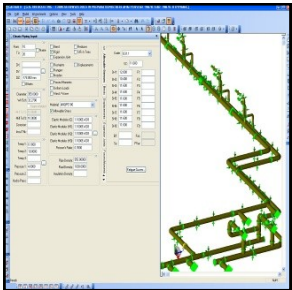
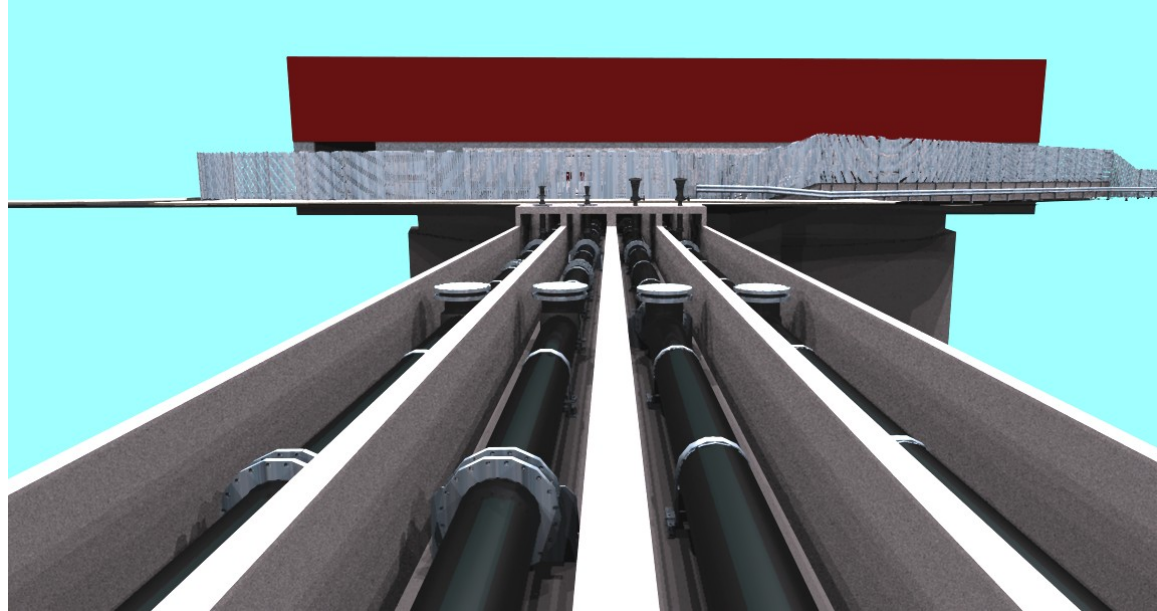


Project Profile



Project Title	Heysham Reactor 8, Reactor Sea Water (RSW) pump pipework and by-pass pipework replacement.
Client	British Energy / Boulting Nuclear.
Project Value	£2.5m
Contract Conditions	British Energy conditions of contract for supply or repair and installation of plant (2005).
Duration	32 weeks
GHA Livigunn Services	Civil Engineering Design, Structural Engineering Design, Mechanical Engineering Design, Stress Analysis and Seismic Qualification of the total design.

Description Replacement of Reactor 8 RSW pipework and minus 9 RSW Quadrants and pipework with High Density Polyethylene (HDPE).

Bypass of existing damaged , buried, fibreglass pipework adjacent to the pump-house with new above ground HDPE, contained within new purpose designed concrete channel. Also replacement of existing reactor by-pass fibreglass pipework within existing channels from the pump-house towards the reactor building.

The design process was completed using our in-house 3D design software, pipework stress analysis software, and finite element analysis software.



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