



DECOMMISSIONING OF FORMER GASIFICATION PLANT & ASSOCIATED WORKS

Location: Cardenden, Fife, Scotland	Client: Confidential - International Energy Company
Contract Start: October 2013	Programme: 12 Months
Contract Value: CONFIDENTIAL	Services Provided: <ul style="list-style-type: none"> ▪ Decommissioning ▪ Industrial Dismantling ▪ Explosive Demolition ▪ Asbestos Removal ▪ Long Reach Demolition ▪ Waste Management ▪ Asset Recovery

Project Summary

The site ran as a Gasification Plant and was operated by British Gas in the 1970's. The pilot plant soon after mothballed and has been closed for a number of years.

The site is currently owned and managed by an International Energy Company. The sites live substations and gas turbine are still operated by SSE.

Daltons were commissioned in 2013 to carry out a strategic phased decommissioning and dismantling of the redundant plant and asset to enable the owners to plan future developments.

The site comprised a mixture of process plants and structures including a 45m high Lurgi Building, Boiler House, Coal & Ash Handling Plant, SCRAB Plant, Transfer Towers & Conveyors, Nitrogen & Oxygen Tanks, Tar Separation Area, Gas Holders & Gas Coolers.

There were a number of live HV & LV cables on-site as well as the remaining Gas Turbine. Works had to be carefully designed to work round these in a phased decommissioning process. The project required extensive up front planning and liaison with all stakeholders including various SSE representatives, our Client, Site Management & Operatives. Daltons pulled together detailed site management plans to ensure all works were coordinated safely.

The complex methods were designed by our management team and are were completed by our long standing and competent Daltons Site Managers/Supervisors.

Throughout the dismantling phase, we carried out a phased removal of ACM's (asbestos-containing materials).

The structures were up to 45 metres high and involved a mixture of High Reach and Explosive Demolition techniques. Following preparatory works, the steel structures were progressively sheared to grade and processed for recycling off site.

As part of the works a gas holder was progressively dismantled adjacent to an operational effluent pipe line and tank.