



# CASE STUDY

## BAKER HUGHES SITE

### HARTLEPOOL

#### (COMAH)

Thompsons of Prudhoe were appointed as Principal Contractor to carry out the total site clearance of the 12 acre Baker Hughes former chemical manufacturing & processing facility at Hartlepool.

Particular care had to be taken as the site remained a COMAH site due to the presence of the hazardous material Acrolein. Indeed this was the only site in England permitted to store this material at that time.

Products made here included the Baker Hughes range of performance chemicals and toll manufactured specialty organic products, principally for the Oil, Gas and Chemical industry.



DEMOLITION SPECIALIST OF THE YEAR 2014 WINNER



**Project:**  
**Site Clearance of**  
**Chemical Site,**  
**Hartlepool**

**Client:**  
**Baker Hughes**

**Contract Administrator:**  
**ABB Ltd**

**Project Value:**  
**£600k**

**Duration & Year**  
**16 weeks - 2013**

**Key Aspects:**  
**COMAH Site**  
**Asbestos Removal**  
**Hazardous Product**  
**Asset Recovery**  
**Craneage**  
**Live Services**

**THOMPSONS**  
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The site had a number of off-site issues to be aware of including:

- a BOC owned live gas line running directly on the northern site boundary,
- the power station spur railway line approximately 13m from north east site boundary,
- the Hartlepool mainline railway link approximately 20m from site boundary,
- the SSI Steel Pipe manufacturing facility 400m from the centre of the site, and
- 8 crude oil storage tanks, the closest of which was approximately 737m from centre of the site.

Activities previously carried out on the site had included general reactions (amine reactions, esterification, polymerisation, and alkoxylation), blending, warehousing and shipping. The main area of activity was the reaction of Ethylene Oxide and Propylene Oxide on diverse substrates.

The continued presence of Acrolein being stored on site required that the site continued to operate as a top tier COMAH site in line with the COMAH regulations.

The works involved across the 12 acre plot were extensive, requiring a wide range of decontamination, dismantling and demolition techniques and careful site co-ordination.

The works involved the safe removal of the: Oxide Tank Farm, Reactor Plant, Glass Plant, Blend Plant, Toxic Material Handling Area, Tank Farms, Warehouse and Storage Areas, Effluent Treatment Plant, various pipebridges and site-wide utilities.

As well as achieving a recycling rate of over 97%, we were also able to secure buyers for the re-use of various vessels, plant and equipment.



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