

WALTERS

Blast Furnace 4 Demolition



Project:

Blast Furnace 4 Rebuild, Port Talbot, South Wales

Client:

Andrew Scott Limited

Value:

£500,000

At-a-glance:

- Multi storey and high rise structures
- £185m fast track scheme
- 24 hours per day for 6 weeks
- 8,000 man hours
- No accidents or RIDDORS

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Walters is accredited to ISO 9001 for Quality Management, ISO 14001 for Environmental Management and OHSAS 18001 for Occupational Health & Safety.

Challenges

When Tata Steel (UK) Limited decided to rebuild Blast Furnace 4 at a cost of £185m with a view to boosting steel making capacity at their Port Talbot plant by an additional 400,000 tonnes per year, they targeted the safe and timely decommissioning, deconstruction and rebuild in record time. NFDC Member Walters were engaged to undertake the demolition of numerous structures forming part of the existing Blast Furnace on this prestigious fast track scheme.

Solution

Site works commenced with the deconstruction of the Engine House, a 75m long reinforced concrete and steel frame structure ranging in height up to 15m. Access to this area was severely restricted and Walters worked in shifts 24 hours a day to deconstruct this programme critical structure in a safe and timely manner.

Walters involvement grew to eventually include the demolition of the steel frame slag pool walls, the deconstruction of the 25m high Granulation Plant, the deconstruction of the 20m high dust-catcher heavy steelwork and the reinforced concrete '15m level'.

Walters mobilised a range of demolition plant and equipment to complete the Works including a Volvo EC 460 26m high reach, a Caterpillar 350 demolition specification rig, a Caterpillar 325 17m high reach and 3 x Komatsu 240 demolition specification machines.

In all, Walters demolition team worked over 8,000 man hours in shifts 24 hrs per day to complete the project without any injuries, lost time accidents or RIDDORS.