

IMMINGHAM RENEWABLE FUEL TERMINAL, IMMINGHAM

CLIENT – Associated British Ports
CONTRACTOR – Graham/Whitwick Engineering
CONTRACT VALUE – £60M
PROJECT DATE – 2015

GGP Consult were contracted via Whitwick Engineering to undertake the structural design, detailed design and fabrication detailing of a renewable fuel terminal constructed for ABP at their Immingham port.

The scheme involved the delivery of wooden pellets from the existing jetty to the rail load out silo.

The transportation of the pellets required the structural design of the trestles, gantries, transfer towers and other ancillary steelwork.

GGP carried out major structural steel design works and detailed the project using Tekla software. This ensured a greater accuracy in fabrication and smoother delivery and erection on site.

The conveyor gantry was designed based on a modular style construction with the main support frames replicated wherever possible to simplify the fabrication process and provide greater economy in the fabrication of the main steel elements.

The wooden pellets are now transferred through the system of conveyors and transfer towers to the large concrete silos. They are then transported from the terminal to Drax Power Station via rail and road.

The facility is now capable of handling 2,500 tonnes of wood pellets per hour and storing 100,000 tonnes.