

BP Raffinaderij Rotterdam

Aviation Turbine Kerosene Import Project Bulk Storage Tank Construction

Project: ATK Import Project
Service: Project Management
Project Stage: Construction
Product: Aviation
Region / Country: Europe / Netherlands
Value: £0.5million

The BP refinery in Rotterdam Europoort has one of three deep water jetty facilities in the Rotterdam area and the only one with a direct connection to the Rhein-Main-Ruhrleitung Pipeline (RMR). Air BP identified a commercial opportunity to increase the provision of aviation fuel to the Benelux and Rhine regions. However ATK tankage at the refinery did not have the capacity to receive full fuel parcels, necessitating development of a new storage facility.

Following the appointment of an EPC contractor by AirBP, BPA provided project management services for the construction and commissioning of new tank facilities.

The project scope also comprised the installation of a Stadis injection unit to control static within the product; the installation of a filter unit; a new connection from the jetty to the existing tank farm and the construction of the tank and bunding to receive complete tanker fuel packages.

The tank has a capacity of approximately 60,000m³; is 50m in diameter and 25m high. The combined weight of the floor, shell and roof is over 1000 tonnes. The tank took 14 months to build, with a further 4 months for connection of the electrical and mechanical systems.

The tank build project entailed 9000 man days and 250km of welds. It allowed Air BP a 400% increase on the import of fuel and growth of its market share in the region. The project was completed on time, on budget and without harm to people or the environment. To date, it is the biggest tank BPA has built.

