



Power Stations

Langage



- Output: 895MW
- Turbines: Two gas, one steam
- Permanent employees: 40
- HSE performance: No LTAs per 100,000 hours worked

Type

Fuel gas combined cycle gas turbine (CCGT) power station.

Location

Holland Road, Plympton, Plymouth, Devon.

Permanent employees 40

History

The power station was built by Alstom for Centrica Energy between June 2006 and March 2010, when it started commercial operation. It is 100% owned by Centrica Energy.

Turbines

Two 285MW gas turbines and one 325MW steam turbine. The gas turbines have operated in excess of 3,500 hours after completing plant commissioning.

Where the electricity goes

A 'tolling' agreement sees the station's power output made available to British Gas Trading Ltd.

HSE performance

- **Annual lost time accident (LTA) rate:**
No LTAs per 100,000 hours worked.
- **Last LTA:** none.
- Ten first aid accidents (six employees, four contractors) since January 2009.
- No reportable dangerous occurrences following construction of the station.

Maintenance

The on-site team is responsible for routine maintenance, with contractors brought in for specialist services, major plant inspections and overhauls. Portfolio engineering teams supervise major overhauls and review specialist technical issues.

Environmental performance

The station holds a greenhouse gas emissions permit and regulates CO₂ emissions through a cap and trade scheme. This allocates annual CO₂ credits with shortfalls or excesses traded in the marketplace. Langage's initial allocation is 4,491,261 tonnes of CO₂.

No incidents were recorded during construction that were considered likely to have significantly impacted soil and groundwater quality. The installation is considered to present a very low risk of future contamination to soil and groundwater. There are 25 Sites of Special Scientific Interest within 30km of the station. ■