



Further information:

High Efficiency High Pressure turbines

Purpose

As a result of the combustion process, Nitrogen Oxides (Nox) are released. The Boosted Over Fire Air (BOFA) system lowers our impact on the environment by reducing the emissions of NO_x into the atmosphere to less than 500mg/m³ and enables us to comply with the Large Combustion Plant Directive.

How does it work?

BOFA works by using two fans at the basement of the boiler to force air into the higher section of the boiler. This causes coal to burn at a lower temperature and in turn reduces the amount of NO_x produced. The 'over fire' air which is injected into the boiler above the main burner mixes with the tails of the flames and this increases the area available for NO_x levels to be reduced.