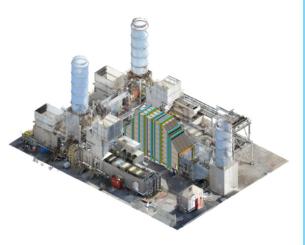
POWER – SIMPLE CYCLE CATALYST SYSTEMS EMISSIONS CONTROL GUARANTEE



INNOVA Global was selected by Siemens to design, fabricate and install a CO \ NOx reduction system into an existing RB211 system. The project required that Innova model the existing gas turbine & waste heat boiler system to determine the optimal location to locate the new distribution grids, CO catalyst, ammonia injection and NOx catalyst components.





CLIENT: SIEMENS UK

PROJECT: SPIRIT ENERGY (CENTRICA) CO \ NO_X

REDUCTION RETROFIT

LOCATION: BARROW IN FURNESS, UK

SCOPE OF WORK

Innova designed and fabricated the entire system in the UK to minimise risk to this project. Innova's hot catalyst system scope consisted of:

- CFD and Physical Flow Modelling
- CO Reduction System
- Ammonia Vaporization System
- NOx Reduction System
- CEMs Monitoring Probes
- CEMs Analyser System
- Urea Forwarding Skid
- Site Demolition and Installation
- Commissioning

GAS TURBINE PERFORMANCE

- Operating Conditions 50% to 100% load
- Mass Flow 320,400 kg/hr
- Bulk Temperature 500 °C Design
- NOx Emissions 140 mg/Nm3
- CO Emissions 300 mg/Nm3

STACK EMISSION REQUIREMENTS

- NOx Emissions 35 mg/Nm3
- CO Emissions 40 to 60 mg/Nm3
- NH₃ Slip 3 mg/Nm3