



Shanghai University of Science and Technology Energy Center A demonstration project of low carbon intelligent city

In Shanghai University of Science and Technology Energy Centre, there are 3 internal combustion power generators with each power of 4.4 MW and one Helan gas turbine of 1.2 MW power.



ZK1200 Gas Turbine Set



ZK1200 Gas Turbine Set

Project Details

Location

Shanghai University of Science and Technology,
Jihui Road, Pudongxin District, Shanghai, China

Installation Date

September, 2016

Fuel

Natural gas

Product

ZK1200 (1250 KW) Gas Turbine

Project Description

- This is a project of combined heat and power, which has small system capacity and easily intelligent control to ensure the safety of the energy providing.
- The project uses lithium bromide unit to full absorb the exhaust gas heat and minimize the temperature of the final exhaust, thus improving the overall efficiency of the power plant.
- The project is much more environmental friendly compared with the traditional power plant, resulting in much less solid waste and emission of SO₂, CO, NO_x, etc.
- The project managed to adjust the peak trough difference of the natural gas and electricity.
- As a demonstration project, it has successfully passed appraisal and performance validation of ZK1200.