

REFERENCE | 05/2016

Combined Cycle Power Plant, Sulaymaniyah, Iraq HVAC Systems Building Automation



Introduction

The plant is located city of Sulaymaniyah, in Northern Iraq. The primary Sulaymaniyah Gas Power Station was developed by MGH - Mass Group Holding Ltd. as a simple-cycle project with a capacity of 1,000 MW which is Iraqi Kurdistan's largest power plant. The combined-cycle gas turbines (CCGT) conversion by ENKA Construction added an additional 500MW to the project by using turbines manufactured by GE. Today, Sulaymaniyah Combined Cycle Power Plant has a total capacity of 1500 MW. The Plant is the first combined cycle power plant in Iraq and provides approximately 25% of the power demand of the Kurdistan Region.

Requirements

This power plant is also under construction by Enka Construction. The plant has several different buildings like; electrical & control building, ACC electrical buildings, steam turbine buildings, water treatment building. Building automation system controls and monitoring; rooftop units, various exhaust fans, sand trap louvers for these buildings.

Centraline Products



Field Devices



SymmetrE

Solution

For control and monitoring the systems, used Honeywell Comfort Point controllers with XL800 I/O modules. Approximately 2000 points controlled or monitored from the SymmetrE graphic central. Also fire alarm system for these buildings used Honeywell-Esser system.

Customer value

Precise air conditioning control and monitoring.