

Khalifa Port Package 209, Abu Dhabi

Khalifa Port and Industrial Zone (KPIZ) is a multi-purpose facility that involves the construction of a world-scale container and industrial port in addition to the development of over 100 square kilometres of industrial, logistics, commercial, educational, and residential special economic and free zones.

Green Optima is contracted by Hastie International to carry out the building management and energy management systems for package 209, controlling the AED 410 million MEP works for the Khalifa Port and Industrial Zone (KPIZ) in Taweelah, Abu Dhabi. This is one of the biggest MEP projects in the region. This package consists of 23 off shore buildings.

Green Optima was selected to design, engineer, supply & commission an open building automation system to control its building services with the ability to utilise leading edge internet technology which is energy efficient and easily expandable to support planned future developments.

Utilising both TCP/IP and MS/TP networks the plant communicates with the site wide integrated graphical user interface and is fully capable of access through the worldwide web.

The System

- Chilled Water Plant
- FAHU
- Extract Fans
- Fan Coil Units
- Water Pumping Stations
- Integration with lighting
- Energy Metering
- Lift Monitoring



Intelligent Buildings-Smart People

The Challenges

- Regions Largest Port
- Integration into site wide monitoring system
- Giving flexibility along with energy efficient control solution
- Open system, future proofed technology



Products



Consultant



Hastie International Ltd

Contractor

Case Study