

Healthpoint Hospital

BMS Retrofit Case Study

THE CHALLENGE

The existing BMS was from Johnson Controls – Metasys
The Hospital was undergoing retrofit for the addition of an advanced medical facility in the building. Additional HVAC, Electrical, Plumbing and ELV systems were added in the building. The client was looking for an open platform for the BMS that can integrate various advanced systems and manage through the in house team of BMS engineers for ease of maintenance and upgrade.

THE SOLUTION

The client has decided to change the existing Johnson Control Operator front end with Tridium Niagara Supervisor. The network controllers – NAC/ NCE controllers were replaced with JACE8000 controllers as part of this retrofit project to take full control of JCI field controllers by integrating them to JACE8000.
22 Nos. JACE8000 were installed in the building along with a hot redundant server with Niagara Supervisor, which is presently handling about 15,000 datapoints with provision for covering future upgrades.
Customized Graphics, Histories and Alarms requirements for the client were implemented in the project.

THE RESULTS

Fully satisfied client with inhouse BMS Engineers managing and continuously improving the system.
The client is enjoying the freedom of adding new systems and equipment to BMS as the hospital is undergoing continuous improvements.

CASE STUDY FAST FACTS

Existing BMS: Johnson Controls – Metasys Series
Products Used: Tridium JACE 8000 and Niagara Supervisor
Total Datapoints: 15,000
Type of Building: Hospital
Client: Mubadala
Retrofit Date: 2017
Location: Abu Dhabi, UAE

