



a case study

Niagara 4 — Power, speed, security

PROJECT

Implementation of the BMS solution on a Greenfield Project - Al Jaddaf Residence: integration of multiple building assets via Netix DDC & NEO onto the Central Server and using the Netix Uniview to monitor, control and schedule the devices in a planned and efficient manner. The project is inclusive of more than 500 IO Points.

SCOPE

- Integration of HVAC, hydraulic, electrical and other subsystems
- Mapping all the parameters and exposing the data points onto a central platform, Netix Uniview Supra Software
- Supply and T&C of the building management system (software, DDC and field devices)

SOLUTION

A unified approach was taken delivering a BMS solution tailored to the end user's requirement. Netix Controls provided various field devices. Parameters from multiple systems, sensors and transmitters were mapped onto the DDC and data was exposed in a unified BACnet protocol format to a central server platform in real-time. Supply and T&C of the building management system was carried out successfully. Various levels of alarms, notifications and energy logic blocks were configured which delivers detailed, actionable insights into an establishment's performance and ensures smooth operation of the building systems.

RESULT

By gathering data points from multiple vendor equipment and integrating these diverse systems onto a unified-secure platform, provides a single window access to multiple system data. Leveraging BMS capabilities such as advanced intelligence, data analytics and automation allowed the end-user to assimilate all the data in one place and thereby helped in the sequencing of operations, time scheduling and monitoring. The controllers were fine-tuned to ensure smooth operation of HVAC, hydraulic and electrical systems which cascade onto enhanced life cycle of assets, optimized operations, improved safety, comfort of occupants, enhanced energy efficiency and thereby results in better ROI.

CLIENT

Khansaheb Investement L.L.C

PRODUCTS

- Netix DDC
- Netix NEO
- NETIX Uniview SUPRA Software
- Field Devices

SYSTEMS CONTROLLED / MONITORED

- FAHU
- Exhaust Fans
- MSFD
- Pressurization Fans
- Booster Pump
- Fire Pump
- Water Tank
- Water Transfer Pump
- Water Makeup Pump
- Irrigation Pump
- Water Feature Pump
- Solar Water Circulating Pump
- Generator
- ACB
- MDB
- SMDB
- ATS
- Lighting Panel
- Lift
- Access Control
- Fire Alarm Panel
- CBS
- UPS
- Voice Evacuation