A SUCCESSFUL BID

STARTS WITH LISTENING

The right platform is an open platform

Case Study

Enercon
Technologies

Honeywell

When ENERCON Technologies began the construction of a new manufacturing facility, they wanted the integrated efficiency of a "single pane of glass" building automation system to manage its multiple systems.

With that in mind, XL Automation & Energy Management turned to Honeywell and the WEBs-N4 platform, built on the open Niagara Framework™, to provide the capabilities that ENERCON Technologies needed.

THE NEEDS

- New facility to showcase ENERCON's technology capabilities, including a universal front-end interface

- Manage building systems from anywhere – HVAC, lighting, security cameras, access control, and more

- Employee management tools provide secure access, onboarding, and offboarding

- All systems protected behind the IT firewall

BACKGROUND

Founded in 1980, ENERCON Technologies embarked on its latest building project to create a facility that now has over 100,000 square-feet of space from the headquarters to the manufacturing buildings, which are connected by a skybridge.

Plans for the new manufacturing building, located in Gray, Maine, are for a two story production facility with office, warehouse, employee spaces, and a state-of-the-art conference room.

The building's HVAC system includes a distributed water-to-water heat-pump design with ERVs, MAU, boilers, and a cooling tower. It also has lighting controls, a back-up generator, uninterrupted power supplies, and humidity systems – all of which need to be monitored via the building management system (BMS).

After carefully listening to ENERCON's experiences and understanding their current systems, XL realized the campus would also need new systems for security cameras and card access, to be managed via the same common interface as the other systems.

SOLUTION

XL Automation demonstrated the Honeywell Niagara and Honeywell Enterprise Security solution to create a truly smart building – one which goes beyond immediate needs to position ENERCON for the future.

New security cameras are installed throughout both buildings, including custom-painted exterior PTZ cameras to fit ENERCON's design vision for the campus.

The network video recorder (NVR) is integrated via Niagara to provide an HTML

front-end that automatically links video recordings to alarms, and supplies live video feeds directly from the common interface.

To solve the HR department's need for more efficient onboarding and offboarding, the Niagara open API runs an application that integrates with the Niagara security appliance. This makes it simple to add employees to the card-access and time-clock systems, as well as other systems that require access credentials based on the employee's role.

THE RESULT

Using versatile, open Honeywell technologies, XL Automation & Energy Management has helped ENERCON Technologies develop a flagship facility that showcases their technology leadership – with a universal interface to manage the whole facility.

Honeywell