



Eight Month Payback!

Weymouth Woods Corporate Center Project Profile

At a Glance:

Project Type: Energy Management
Vertical Market: Commercial Office
Location: Weymouth, MA
Size: 100,000 square feet
Products: Novar
Installation: 2009

Customer Benefits:

- Energy efficiency
- Improved air flow and temperature controls
- Utility rebates provided quick payback



Project Overview

Weymouth Woods Corporate Center is a 100,000 square foot office building owned and operated by Campanelli Companies. The building was built in 2001 and is located in Weymouth, Massachusetts. The facility offers its tenants state-of-the-art building systems, a cafe/conference facility, parking garage and convenient location.

Campanelli Companies selected FMC Technologies to complete a retrofit of eight VAV rooftop units in 2009. Previous to the retrofit, the rooftop units were controlled by their factory installed electronic controls (supervisory control via the existing Novar Energy Management System).

The Solution

The goals of the retrofit project were: to provide tighter temperature and pressure control; to provide additional monitoring and alarm points; and to provide energy savings from advanced control strategies such as optimized start/stop, discharge temperature reset, heating and cooling lockouts, and better use of outdoor air via differential enthalpy economizer control.

The new control devices were integrated into the existing Novar Energy Management System which had been installed in 2001, and is still operable. The existing iScope Graphical User Interface was updated with new graphics, trend logs, etc. to accommodate the 145 new control points.

The Bottom Line

The solution was installed with no downtime to the HVAC systems in the mostly occupied Corporate Center. Despite poor weather conditions during the installation, the project was completed on-time by our in-house installers, technicians and engineers.

FMC applied for and received a \$24,000.00 rebate from National Grid, and the project is projected to save 172,000 kWh of electricity each year. The estimated annual energy savings of \$25,000 make the return on investment about 8 months!