



# SIEMENS

Building Technologies



Siemens helps  
New York-Presbyterian  
Hospital keep patients  
safe, while cutting  
operational downtime  
in half

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**New York, NY — In a metropolitan area like New York City, the possibility of power dips and an occasional power loss are not all that far-fetched. That's why New York-Presbyterian Hospital makes preparedness a priority. In the event of the unexpected, building staff need instant access to key information, such as whether the back-up generators have kicked on, or whether the control panels and critical equipment are functioning properly. Thanks to building controls and remote monitoring and alarming capabilities provided by Siemens Building Technologies, Inc., facility managers do have peace of mind. If something should go wrong, they have up-to-the-minute information on every key hospital system.**

### Client Objectives

Electric power control and reliability is paramount for New York-Presbyterian. With two campuses comprising approximately 8 million square feet, even a building crew of 300 strong cannot possibly cover all the territory, all the time. So the hospital put Siemens to the task of creating 24-hour monitoring and alarming of the facility's upper Manhattan campus, which takes up six city blocks and about 5 million of the total square footage. The most critical points for monitoring include power supply and the air rooms and 170 isolation rooms.



System integration was important, not only to control equipment but to provide diagnostic capabilities in the event that equipment failed or a critical point strayed outside of programmed parameters. For the hospital, extra control via remote monitoring was just as important. Without it, the crew would not be informed of any alarms unless someone was sitting in front of a workstation. Since equipment malfunction or failure could pose immediate danger to patients in operating rooms, or could pose a threat to patients and staff in the vicinity of breached isolation rooms, time was of the essence.

### Siemens Solutions

- All of the hospital's critical systems—multiple generators, mechanicals, critical operating room and isolation room equipment—are integrated into the APOGEE® building automation system, giving the building staff the capability to see important diagnostic information from a single workstation located anywhere in the facility.
- Siemens created a preventive maintenance program the hospital follows to closely monitor equipment and prevent failures. Daily reports generated by the APOGEE system give the hospital staff a schedule for routine maintenance needs.
- If a critical failure does occur any time, day or night, Siemens RENO remote monitoring system automatically informs key staff members of the problem by dialing a pager or cell phone.

### Client Results

- Since installation of the APOGEE system and preventive maintenance procedures, the hospital cut downtime by half. Equipment is maintained properly, contributing to more uptime; and when equipment does fail, the staff is informed immediately and the situation is handled quickly.
- Emergencies large and small—from a major power loss to a single malfunctioning fan in an operating room—are virtually seamless to the patients and staff. RENO makes sure someone is on the job and that problems are corrected, often before the building occupants are aware of any problems.
- Temperatures are maintained at precise levels. Patients often comment about their great experiences at the hospital.
- Because Siemens system generated an energy usage slow-down program for evening hours, the hospital can report significant energy savings as well.



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