



## IoT Smart Buildings

New Era Technology collaborates with Building Technology providers, MEP Engineering Firms, Property Developers and technical partners such as Cisco Systems to design and deploy converged building automation solutions to provide advanced control over tenant and building services.

Centralized control of a building's HVAC, wireless, lighting, elevators, digital signage, telephony, utility meters, CCTV, access control, and other systems through a building management system optimizes facilities management, streamlines processes, and saves money.

### IoT Infrastructure 5 Key Components



SENSORS



TRANSMISSION



DATA PROCESSING



DASHBOARD



INSIGHT

Sensors automatically gather various data sets, occupant, energy, and asset integrity—all designed to increase productivity and efficiency, improve quality, and reduce costs.

Transmitted over a wired or wireless network, the sensor data is processed and translated into a real-time visual dashboard. Through this centralized dashboard, operators can monitor and control environmental and system assets.

Data is interpreted and shared, giving building operators and facilities managers the insight they need to take appropriate action and improve operating efficiency.

## Smart Building Projects

Commercial

Campus Environments

Luxury Residential

Industrial

Higher Education

Manufacturing

Mixed-Use

### Project Spotlight

Mixed-Use Development in New York City  
Size: 17 Floors, 1.7M sq. ft.

A North American Commercial Real Estate Company engaged New Era to design a converged IP Core for their commercial office tower. The project consisted of wired, wireless, and information security building network infrastructure to support the corporate staff as well as the Building Management Systems, unified communications, and other similar IP-based support systems.

The project scope featured a converged network design and integration of the following systems vendors to support systems such as:

- Building Management System (BMS)
- Lighting Controls
- Phone System
- Building Vendor/Guest Wi-Fi
- Elevator Network Connectivity
- Sally Port