



# Checklist for Monitoring Buildings and Mechanical Systems

## Network

- Multiple network connections in the same room as the electrical panels
- Network provided by
  - Tenant(s)
  - Building owner

## Installation

- Space available in mechanical room for an enclosure or two - surface mount / flush mount
- Licensed electrician for electricity meters (<https://www.powerwisesystems.com/products/electricity-meters/>) (allow 2-3 hours per electrical panel)
- Low-voltage installer or electrician for sensor (<https://www.powerwisesystems.com/products/sensors-and-wireless-sensors/>) wiring (completed before walls are closed up)
- Plumbers for flow meters (<https://www.powerwisesystems.com/products/flow-and-energy-meters/>)
- Installers have wiring diagrams, installation manuals (<https://www.powerwisesystems.com/support/manuals/>), and specifications (<https://www.powerwisesystems.com/support/product/>)
- Installers record serial numbers on supplied registration sheets
- Upon completion, data sending to the internet

## Wiring for Sensors

- Required for most air quality, humidity and temp sensors
- If possible, provide access points to wiring runs for troubleshooting
- CAT5 or better is best for most situations - confirm to be sure

## Flow meters

- Install them on a straight section of pipe
- Ideally provide a bypass for easy maintenance

## Thermostats

- Require power
- Located within range of a gateway
- Does the HVAC unit have its own thermostat? It will not work with most monitoring technologies

## Software Access

- Building owner
- Tenant
- Builder
- Architect
- Others

If you have questions, please contact PowerWise at +1-207-370-6517 or [sales@powerwisesystems.com](mailto:sales@powerwisesystems.com)