



# Setra CEMS™

Real-Time Environmental  
Monitoring for your Critical  
Environments

We design and deliver  
premium sensing solutions



# Why Choose Setra CEMS™?

## Usability

- Access data from anywhere, at anytime
- Intuitive UI design with user-friendly data visualization graphics
- Data is presented in simple, actionable formats



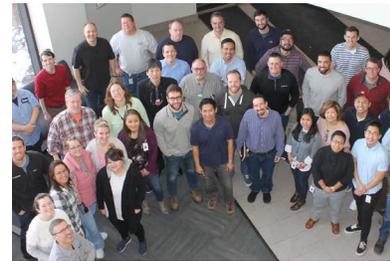
## Flexible

- Accepts inputs from Setra and 3rd party hardware via BACnet, MODBUS, and analog inputs
- Easily scalable from smaller, single point installations to thousands of monitored locations across wide geographic areas
- No limit on the number of hardware sensors or data inputs that can be connected to Setra CEMS software



## Expertise

- Industry experts dedicated to helping guide our customers in finding the best solution
- Life-cycle support of Setra CEMS from project planning through technical software support
- Hands-on commissioning of Setra CEMS ensures successful integration and training



## Customizable

- Create personalized dashboard views displaying the most important data
- Input site specific floor plans and hardware locations
- Customer specific escalation protocols for warning and alarm notifications via SMS texts, emails, and dashboard notifications



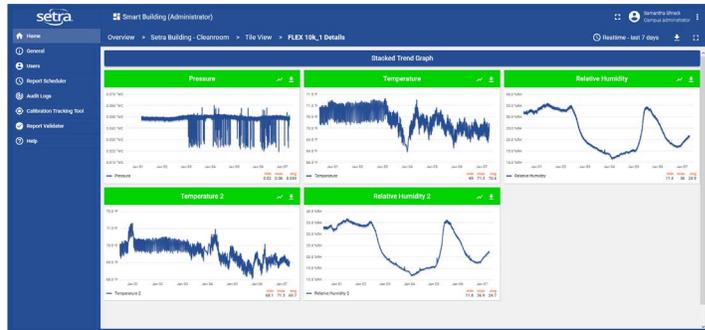
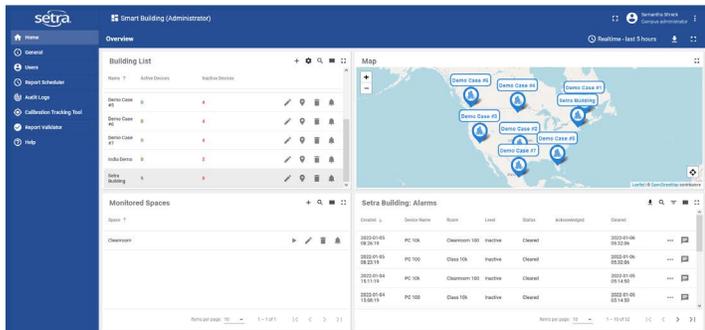
## Enables Compliance

- Access to audit logs to know who completed what actions and when
- Easily export data and access reports to meet regulatory requirements
- Schedule reports to be automatically sent to personnel for adherence to internal standard operating procedures and documentation



# CEMS Dashboard and Features

Easily monitor your critical environment with one system that is connected to your existing network, accessible remotely, and scalable up to thousands of monitored locations.

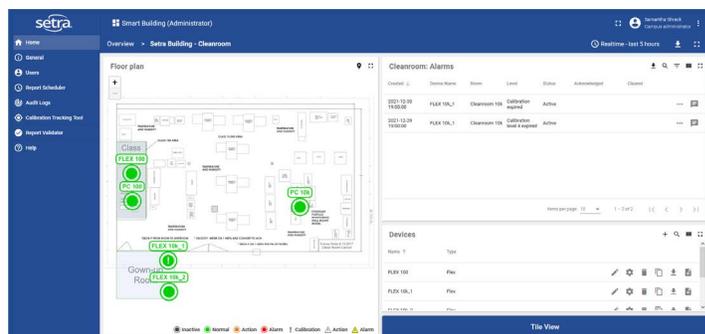


## Building Overview Options

Whether you have one location or thousands, Setra CEMS allows you to view individual buildings and specific monitored spaces. This allows for companies of any size to utilize CEMS and scale according.

## Real Time & Historical Visualization

Setra CEMS gives you the ability to track and trend both real-time and historical data over a rolling two year time period. Any of that data can be captured and exported using the CEMS reporting tools.



## Tile View & Floor Plan View

CEMS offers both a tile view and a floor plan view that shows halo dots at each sensing device. This allows for real time monitoring of conditions within your critical space. Alarm thresholds for each device are tailored to your space, displayed visually across CEMS, and sent via email and SMS text notifications.



Cleanrooms



Compounding Pharmacies



Laboratories



Vivariums



Operating Rooms



Isolation Rooms

# CEMS Allows For Maximum Flexibility

## Scalable for any Application or Industry

Whether you are in a hospital, pharmacy or a clean-room on a manufacturing floor, CEMS ensures you are consistently monitoring the parameters critical to your patients or products.

## Monitor Limitless Parameters

Designed to be adaptable, CEMS can easily accommodate site specific needs. There is no restriction on what parameters can be monitored with CEMS, but the most common include: differential pressure, % relative humidity, particulate counts, air changes per hour, door status, and temperature.

## Compliance Reporting & Customized Alarms

Setra CEMS software collects real-time data from in-room sensors and provides actionable information and feedback to users. Along with data visualization and alarm notifications, CEMS stores sensor data, alarm events and audit logs for compliance reporting.

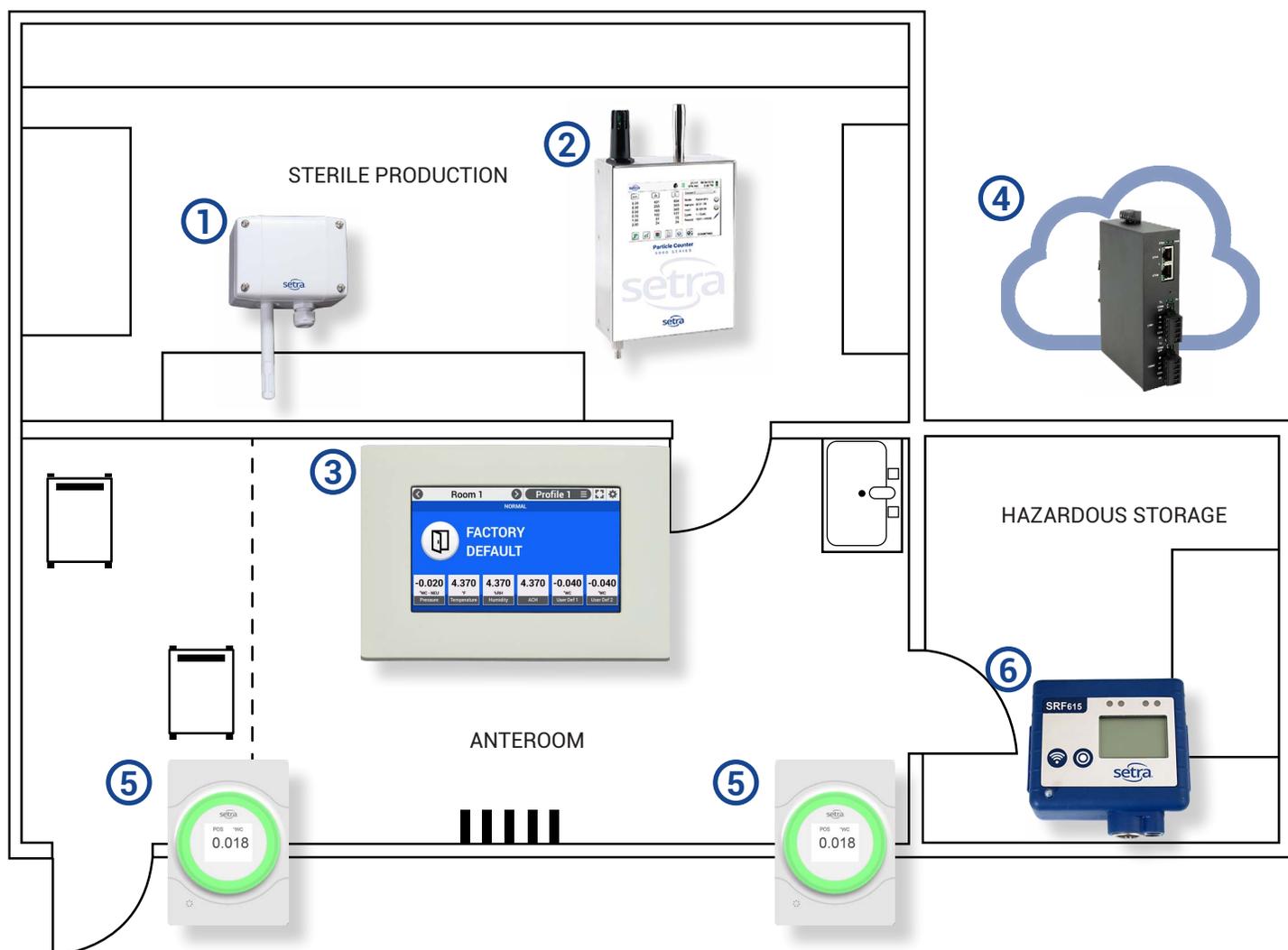
## Compatible with Setra & 3<sup>rd</sup> Party Sensors

CEMS software accepts inputs from both Setra and 3<sup>rd</sup> party sensing hardware. Regardless of if your application has existing hardware installed or if you are building a new facility, CEMS can receive and analyze your data.

# CEMS Hardware & Sensors

CEMS software is compatible with Setra or 3rd party hardware and can be commissioned with existing hardware. It can be commissioned as a new, full hardware and software package. We will work closely with you to implement the best CEMS hardware configuration for your application. Sensor hardware data is communicated through the SetraEDGE™ to the SetraCLOUD via a LAN, WiFi or cellular network.

- ① Temperature & Humidity
- ② Particle Count
- ③ Local Environmental Monitor
- ④ Data Communication
- ⑤ Differential Pressure
- ⑥ Wireless Sensing



# Setra CEMS™ Key Benefits



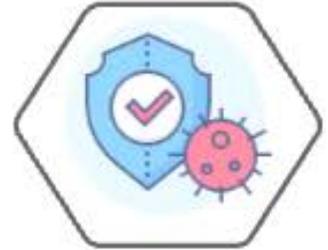
## Visibility & Accountability

Increase accountability and visibility with automated compliance checks, timestamps, and signatures.



## Regulatory Compliance

Reduces difficulty in meeting state and federal requirements for quality control with remote monitoring and alerting protocols.



## Contamination Prevention

Prevents damaging environmental fluctuations with the ability of proactive actions by staff through trend charts, alerting protocols, and state-of-the-art hardware.



## Automate Manual Operations

Access automated reporting and 24/7 data visualization to remove human error in manual data logging and report creation.



## Product Safety & Integrity

Ensuring high-value assets like vaccines, medications, medical devices, and more remain at safe conditions for use.



## Gain Actionable Insights

Instant feedback necessary to enable faster response to adverse conditions and mitigate risk of product sterility.