Distributed Environmental Monitoring and Control

Solution Focus

Our solution's focus is to help maintain the strict environmental conditions that are a fundamental requirement in highly sophisticated and advanced research, development, and manufacturing facilities such as Pharma, Drug manufacturing and High Tech manufacturing.

Business Problems Addressed

Many industries, such as manufacturing, pharma, research and development institutes, rely on extremely sensitive monitoring devices to protect the quality and integrity of their processes and environments. The quality of the sensor readings, and the timeliness in which information is provided, is critical to the operation's success.\

Applications

Monitor, detect, alert and control

From maintaining dust free environments to controlling optimum temperature, humidity, air flow, we enable businesses to automate the monitoring of these and many other physical/environmental attributes that enhances the "value-add" of the system to provide varied services on a single platform. as mentioned below:

- Fire
- Smoke
- Heat
- Break-in/intruder
- Electrical overload/ ampere detection
- Dew point
- Motion detection
- Audio level
- Fluid pressure/flow control
- Density
- Chemical presence
- Fluid presence
- Door open/close

Other than this, the black box has the capability to connect and monitor the following:

- Extreme Temperature sensors
- Machine Tool Status Outputs
- Power Usage sensors
- Ground Fault Detection
- Battery Charging and Monitoring
- Operational status of fans, motors and pumps, other equipment and devices
- Hydrogen Sensors
- Detect burned out lights
- Temperature sensors
- Carbon Dioxide (CO_2) sensors
- Air intake temperature

◆   Mass air flow sensor
◆   Vat/Pipe Flow Regulators, any other sensor monitored physical or environmental attribute

Remote control for investment protection

Besides enabling the customers to actively monitor their sensitive environments and processes, it is designed to protect the customers' investment in its assets by integrating with various protection devices like:

◆   sprinkler systems
◆   valve open/close control
◆   pump on/off
◆   switch on/off hvac or other equipment

Robust, IP-based, scalable with multiple alert notification options

Netbotz understands that most environmental monitoring solutions lend themselves to an ever-changing and expanding environment. a distributed yet centralized IP based, single platform solution detects and then notifies through alerts upon anomalies, via several methods, such as:

◆   hooter
◆   light/flash
◆   e-mail
◆   sms
◆   pager
◆   phone call (both landline and or gsm, besides logging in the alerts in a remote database for historical analyses.

About the Technology OEM

APC NetBotz, the industry leader in providing IP-based monitoring solutions that could play a pivotal role in helping an organization maintain an optimum environment, by providing early warning alerts, enabling the ability to undertake preventive measures either automatically or remotely, thus helping the business to concentrate on strategic initiatives instead of dwelling on tactical every-day developments due to lack of physical environmental controls.

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