



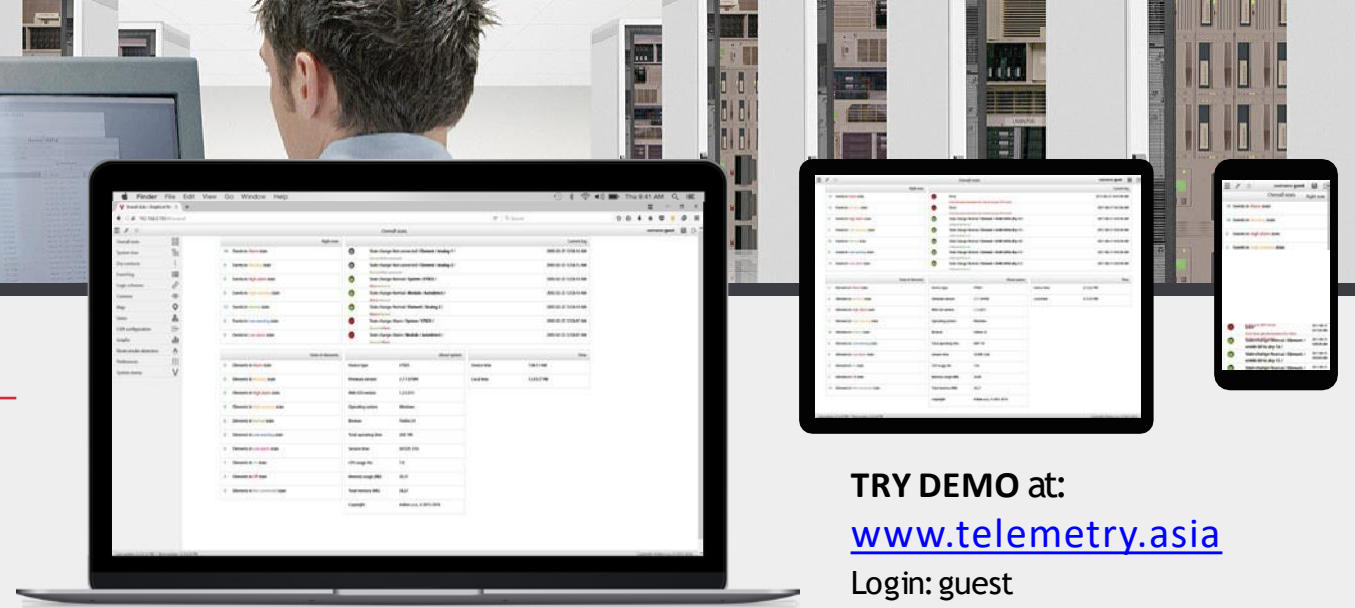
Company  
Presentation

- | Environmental Monitoring Systems
- | Power Distribution Units
- | Digital, Analog & Wireless Sensors
- | AC / DC Meters

# Embedded Web Interface

## Simplicity and Flexibility

Our web interface is flexible enough to empower you with all the tools you need to monitor and control your mission critical facility. The interface is built-in inside every Vutlan monitoring unit. Simply type in the IP address of the unit in the browser. Real time dashboards with live update and status information.



TRY DEMO at:

[www.telemetry.asia](http://www.telemetry.asia)

Login: guest

Password: guest



### Multi Language Support

Our web interface is available in English, Russian, German, French, Italian, Spanish, Czech, Polish, Korean & etc.. If you require another language, it is easy to make a translation.



### Notifications & Alerts

7 notification technologies: Send Email, SMS, Syslog, Event log, SNMP Trap, SNMP Get, sound alert and lights. Alerts based on thresholds, multiple conditions, escalation alerts, dependencies, alert scheduling.



### User Access & Permissions

Using “view” and “write” rights, user access can be restricted to the sub-systems of the device using groups of access permission. User access can also be restricted to a specific group of sensors.



### Configurable Logic Schemes

Logic schemes are used to specify automatic actions to events that occur in the system. Conditions “IF” are combined using “AND” & “OR” and executed using “THEN”.



### Sensor graphing

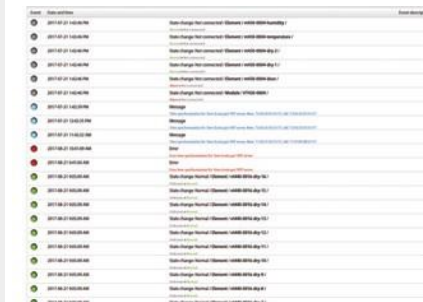
Detailed graphs and data tables for one or more sensors using multi-plot graph. Each graph shows data for last 100: seconds, minutes, hours, days.

# Embedded Web Interface



## Up to 4 IP cameras

Every monitoring unit can display pictures from a maximum of four IP cameras simultaneously in several sizes, up to 640x480 pixels resolution.



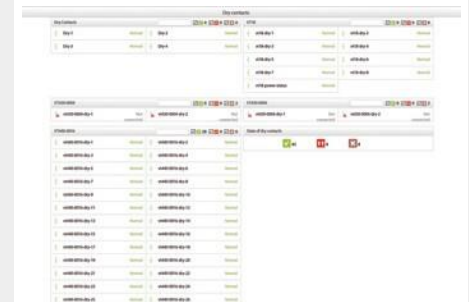
## Event Log

Logic schemes are used to specify automatic actions to events that occur in the system. Conditions “IF” are combined using “AND” & “OR” and executed using “THEN”.



## Outlet management

Interface has a separate panel for managing the status of latching relays/outlets. Three level access allows to restrict access to an appropriate group of outlets.



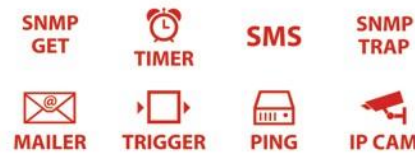
## Dry Contacts panel

Interface has a separate panel for managing dry contacts. It also allows to create the logic for an arbitrary group of contacts.



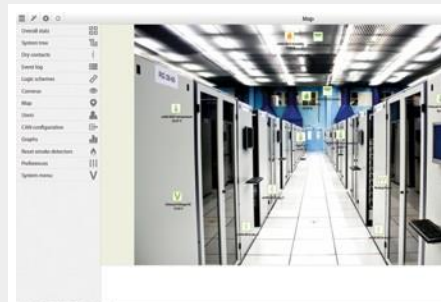
## First run wizard

Interface has a “first run wizard” which allows to configure language, time, network, SNMP and



## Virtual Sensors & Elements

9 virtual elements: Group, E-mail (message), SNMP trap, SMS, Timer, Trigger, PING, SNMP Get, IP Cam.



## Map

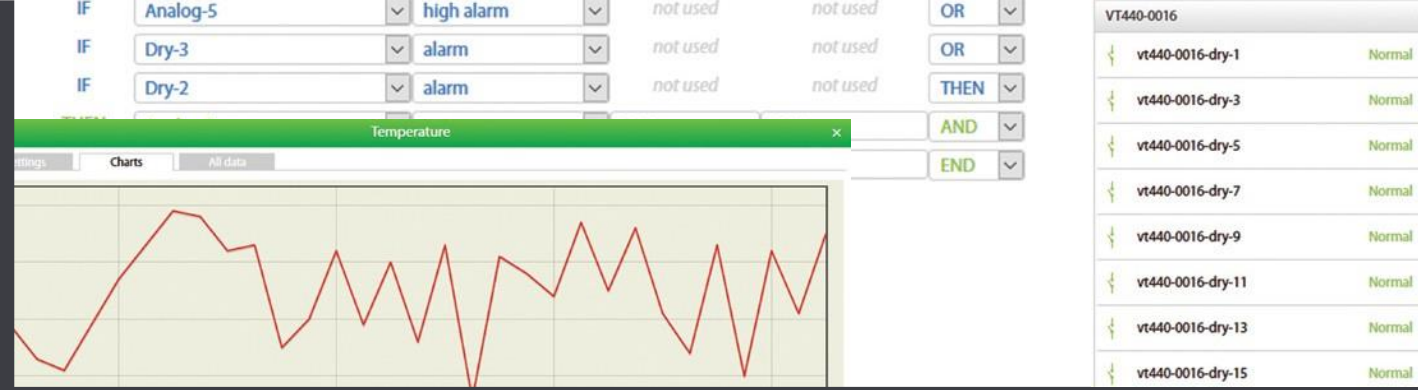
9 virtual elements: Group, E-mail (message), SNMP trap, SMS, Timer, Trigger, PING, SNMP Get, IP Cam.



# Environmental Monitoring

## Options

At Vutlan S.R.O. we are committed to providing our customers with the highest performance and most reliable products.



Temperature



Humidity



Water Leakage



Airflow



Access



Water Level



AC/DC meters



Smoke & Fire



Cameras



Sound



Power reservation



Light



Dry contact inputs



Dry contacts outputs



Power Relay



Outputs 12V

12V

Outlets



PING



Vibration



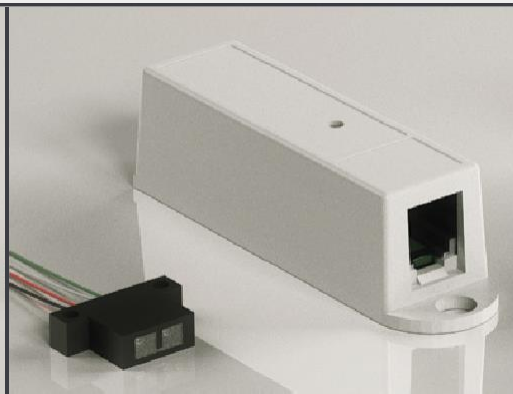
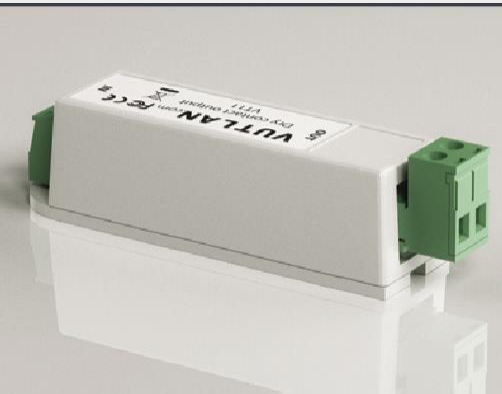
Motion



Converter



Third party sensors

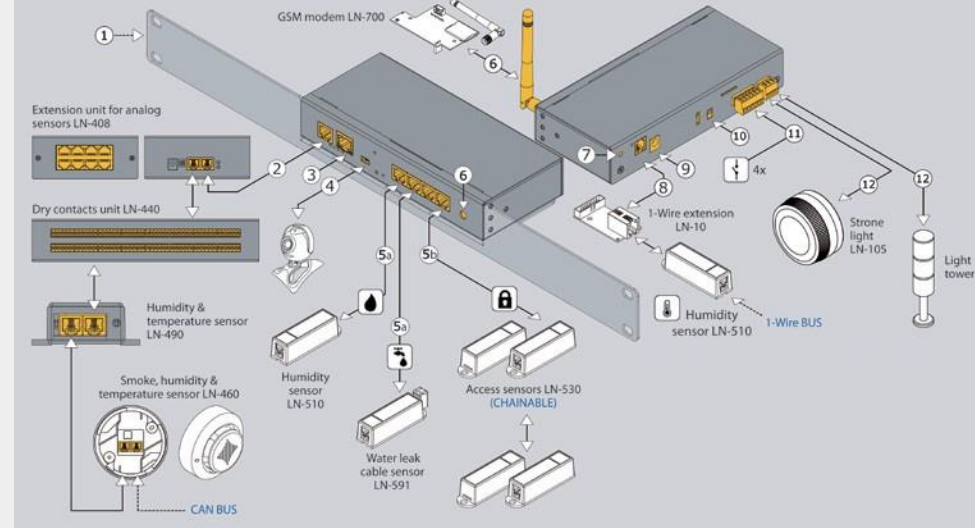




# Room Guard VT335+

VT335 is used for environment monitoring (room temperature, humidity, leakage, voltage, vibration, access, smoke, ...), notifications (SMS, SNMP, E-mail, Video, Alarm beacons) and control of cabinets, data centers, outdoor cabinets, telecom sites and other mission critical facilities.

## Connection example



### Connectable Sensors

- Analog sensors
- 1-Wire sensors
- CAN digital sensors
- AC / DC meters

### Virtual sensors and elements

- Group, E-mail, SNMP trap, SNMP Get, SMS, IP cams, PINGs, Triggers, Timers

### Notifications

- E-mail, SMS, Syslog, Event log, SNMP Trap, SNMP Get

### Device management

- Web, SNMP, manually via SMS (using external USB modem)

### Network protocols

- DHCP, HTTP, HTTPS, SNMP, SMTP, SSL, FTP, Syslog, CAN, Get SNMP, TLS
- RADIUS access with Login
- Supports SNMP v.1, v.2c, v.3

### Alert types

- FTP, Syslog, SMTP or SNMP, SMS (Using external USB modem)

### Web interface

- Sensor graphing
- Multi language support
- User Access and Permissions
- Configurable embedded logic
- IP cameras view panel
- Event log

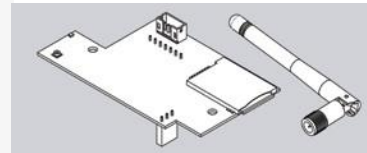
### Built-in functions

- Built-in clock time synchronization
- Built-in watchdog timer

### Support & Origin

- 2 Years warranty (extended possible)
- Manufactured in E.U.

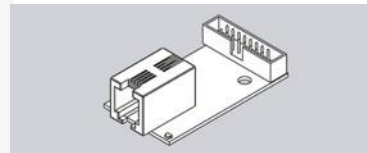
## Extension order options (ordered separately)



### Extension

VT700 / GSM modem

Needed when LAN is absent for sending SMS and voice messages.



### Extension

VT10 / 1-Wire board

Allows to communicate with 1-Wire readers or sensors.

# Monitoring Unit VT825+



The unit is used in data centers, remote & industrial facilities, offices. Can connect up to 30 sensors, 12 dry contacts, two 12V alarm beacons, GSM modem, USB-cam, SD card, 1-Wire board (instead of VT18) for reader connection.

## Connectable Sensors

- Analog sensors
- CAN sensors
- 1-Wire sensors
- AC / DC meters

## Virtual sensors and elements

- Group, E-mail, SNMP trap, SNMP Get, SMS, IP cams, PINGs, Triggers, Timers

## Notifications

- E-mail, SMS, Syslog, Event log, SNMP Trap, SNMP Get

## Device management

- Web, SNMP, manually via SMS (using external USB modem)

## Network protocols

- DHCP, HTTP, HTTPS, SNMP, SMTP, SSL, FTP, Syslog, CAN, Get SNMP, TLS
- RADIUS access with Login
- Supports SNMP v.1, v.2c, v.3

## Web interface

- Sensor graphing
- Multi language support
- User Access and Permissions
- Configurable embedded logic

## Alert types

- FTP, Syslog, SMTP or SNMP, SMS (Using external USB modem)

## Built-in functions

- Built-in clock time synchronization
- Built-in watchdog timer

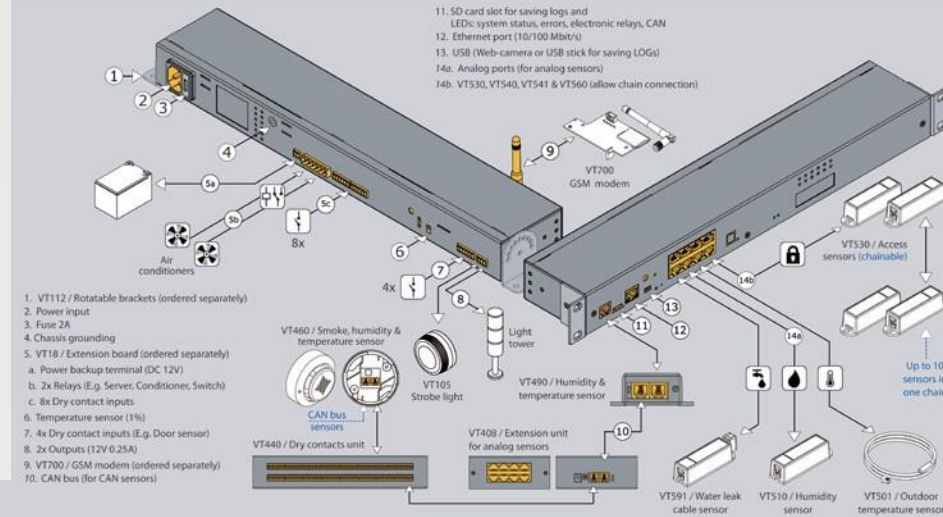
## Extensions

- GSM modem (VT700)
- Extension board (VT10)

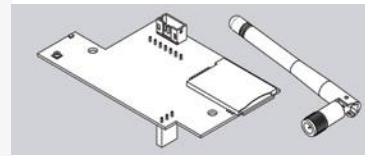
## Support & Origin

- 2 Year warranty (extended possible)
- Manufactured in E.U.

## Connection example



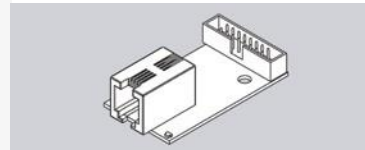
## Extension order options (ordered separately)



### Extension

#### VT700 / GSM modem

Needed when LAN is absent for sending SMS and voice messages.



### Extension

#### VT10 / 1-Wire board

Allows to communicate with 1-Wire readers or sensors.





## Switching PDU VT604

Device is used for load management and allows to switch on/off or reboot up to 4 outlets. It has built-in temperature sensor, two ports for analog sensors, two dry contacts, two 12V outputs for devices, USB port for camera, a slot for GSM modem and allows to connect up to 4 IP cameras.

### Connectable Sensors

- Analog sensors
- CAN sensors
- AC / DC meters

### Virtual sensors and elements

- Group, E-mail, SNMP trap, SNMP Get, SMS, IP cams, PINGs, Triggers, Timers

### Network protocols

- DHCP, HTTP, HTTPS, SNMP, SMTP, SSL, FTP, Syslog, CAN, Get SNMP, TLS
- RADIUS access with Login
- Supports SNMP v.1, v.2c, v.3

### Device management

- Web, SNMP, manually via SMS (using external USB modem)

### Notifications

- E-mail, SMS, Syslog, Event log, SNMP Trap, SNMP Get

### Alert types

- FTP, Syslog, SMTP or SNMP, SMS (Using external USB modem)

### Built-in functions

- Built-in clock time synchronization
- Built-in watchdog timer

### Web interface

- Outlet management panel
- Sensor graphing
- Multi language support
- User Access and Permissions
- Configurable embedded logic
- IP cameras view panel
- Event log

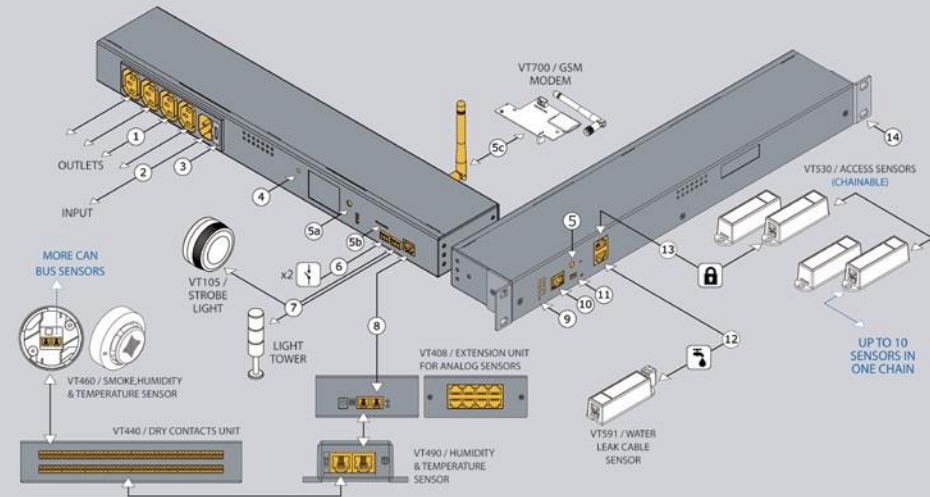
### Extensions

- GSM modem (VT700)

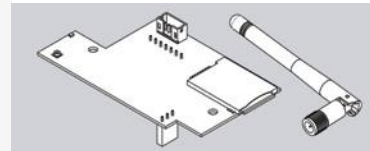
### Support & Origin

- 2 Year warranty (extended possible)
- Manufactured in E.U.

## Connection example



## Extension order options (ordered separately)



### Extension

#### VT700 / GSM modem

Needed when LAN is absent for sending SMS and voice messages.

# SNMP support

Vutlan appliances have the ability to be controlled via SNMP v1, v2c and v3. This means that the appliances incorporate SNMP agent and can be controlled by the network management base stations (NMS).





# Solution: Server Rack Monitoring

It is critical to monitor the performance of your rack, especially the temperature, humidity, leakage, power and airflow. When faults occur, to ensure the uptime of equipment, the monitoring system can perform actions automatically (e.g. activate additional fans, sound an alarm or send alarm notification).

Vutlan's rack monitoring solutions help data center and facilities operators to:

 - Set Up Alert Thresholds & Notifications Alerts

 - Maintain Relative Humidity Levels

 - Detect Water Leaks

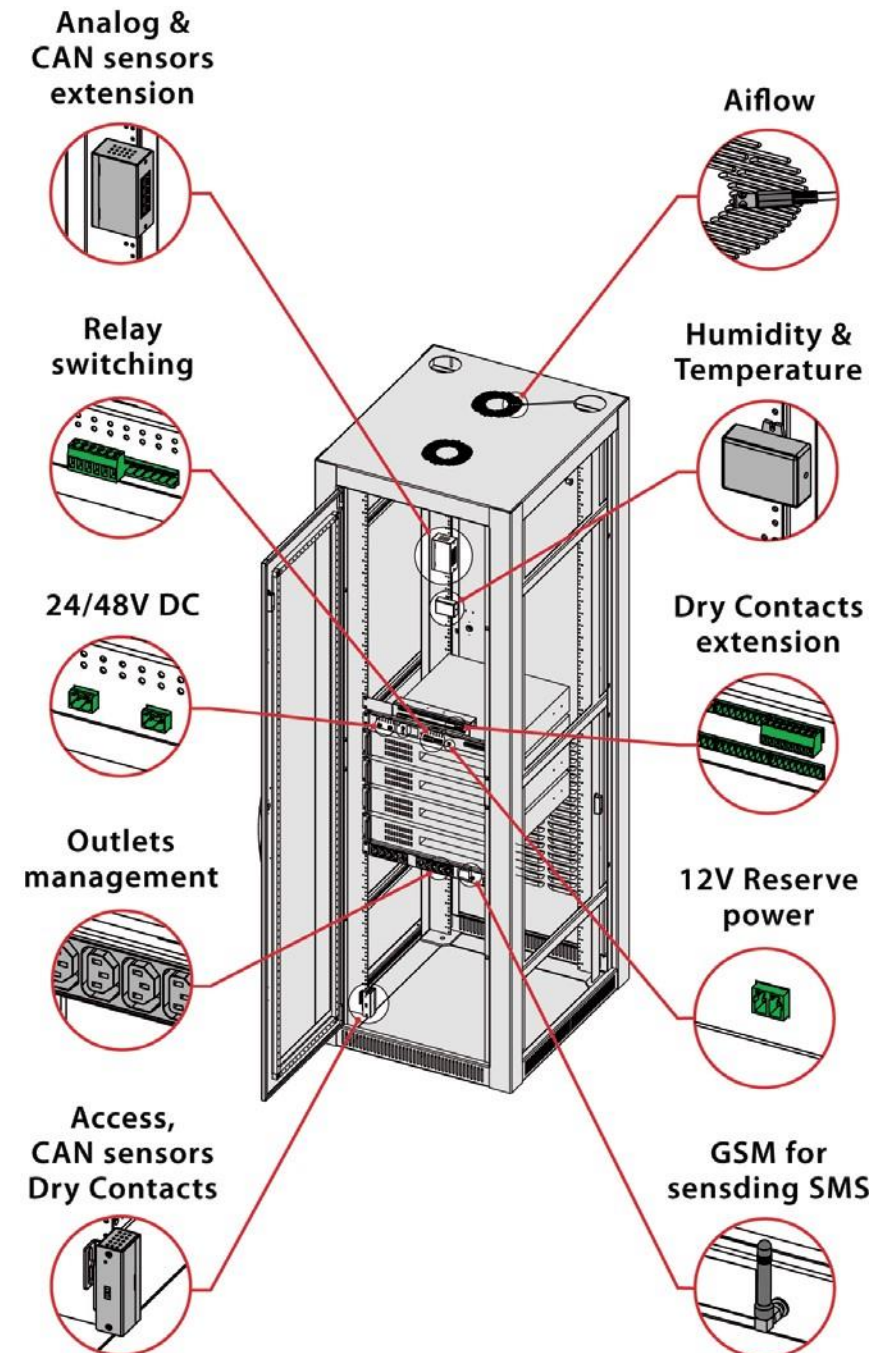
 - Monitor & Manage Airflow

 - Maintain Optimal Temperature

 - Track Security Threats (Sabotage or Damage)

 - Monitor & Report









 - Manage Power

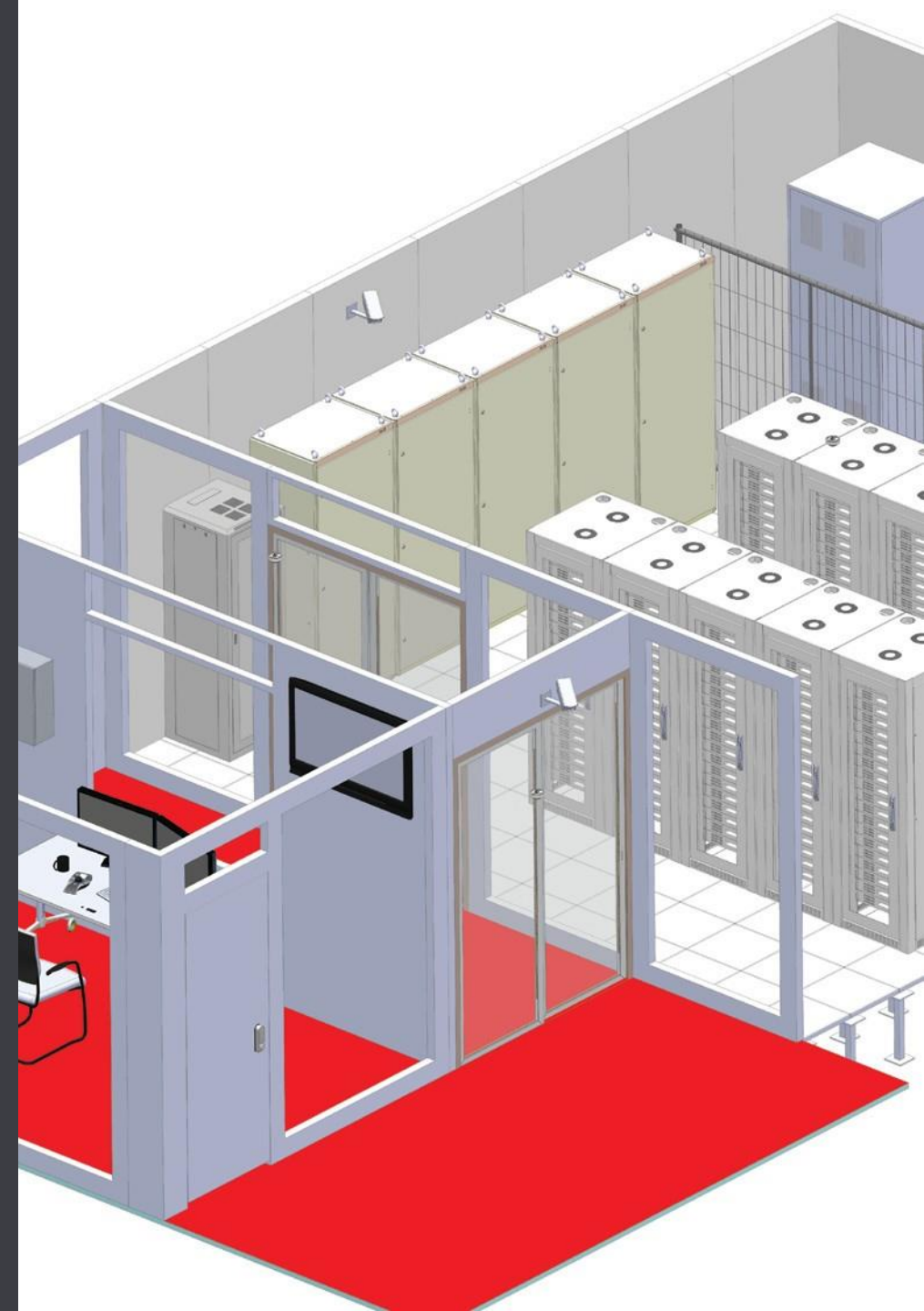


# Solution: Data Center Monitoring

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Failure or even the shut down of a data center can result in high losses and endangers a company's business operations. Therefore, monitoring of complex IT-infrastructure is mission-critical for data center operators and companies. It is important to not only monitor SNMP devices, but also to check continuously housing technology.

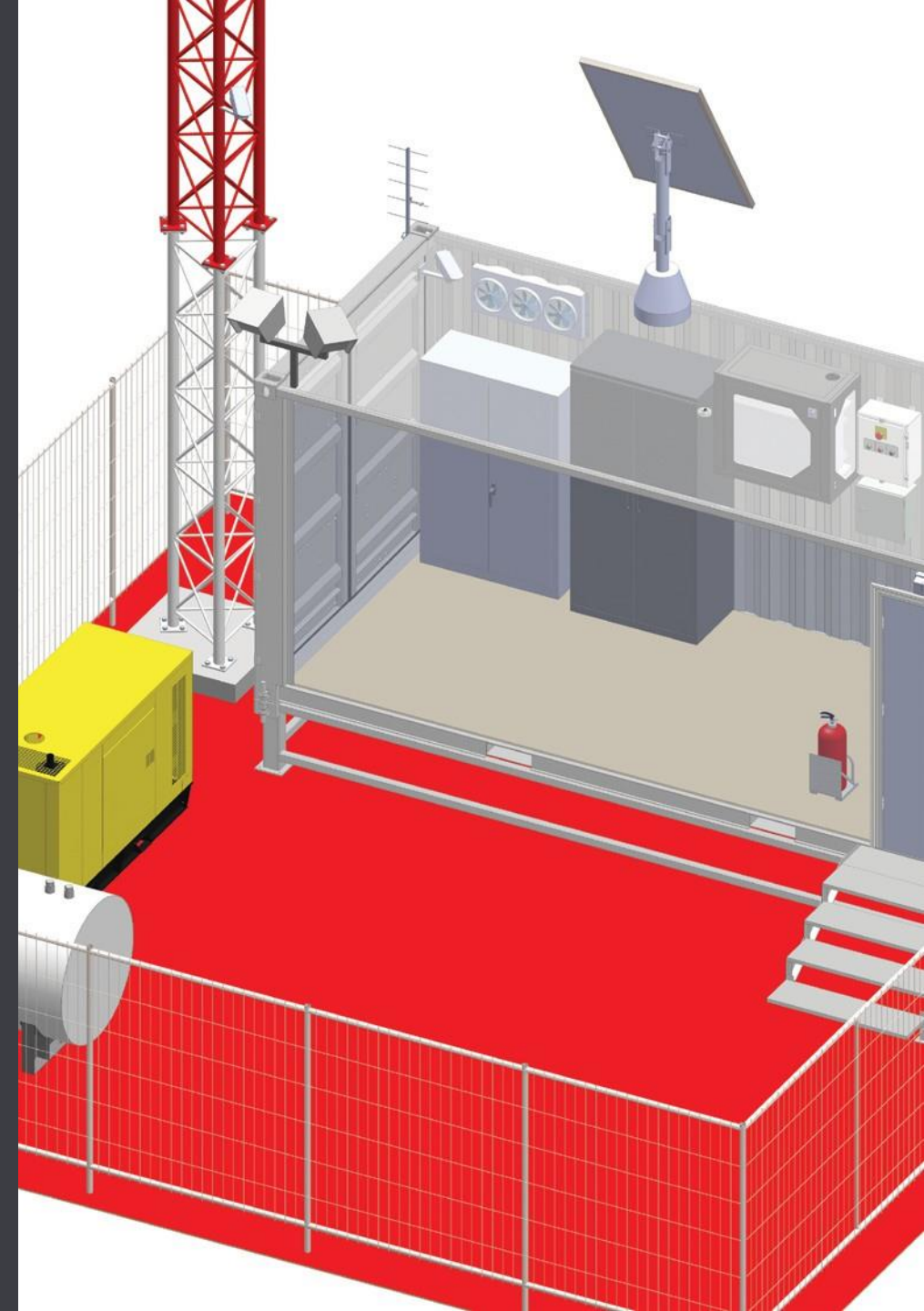
-  - Wireless sensors & devices
-  - Access control
-  - Video surveillance
-  - PING equipment
-  - Power consumption & switching
-  - Motion, smoke & humidity sensors
-  - AC / DC meters
-  - Monitoring over SNMP



# Solution: Base Station Monitoring

Vutlan monitoring units provide the NOC information about key parameters regarding the condition of a remote site in real-time, help to manage maintenance of the site and make proper decisions, cutting costs for personnel and operational expenses and provide sensor logs for root cause analysis.

-  - Monitor fuel level and viscosity sensors
-  - Lights control paired with motion sensors
-  - IP cameras / USB camera
-  - Notifications & alerts
-  - Automation of ventilators and conditioner
-  - Water intrusion and leakage sensors
-  - Smoke, humidity, vibration and temperature sensors.
-  - Proximity & I-Touch readers
-  - AC/ DC meters and transceivers

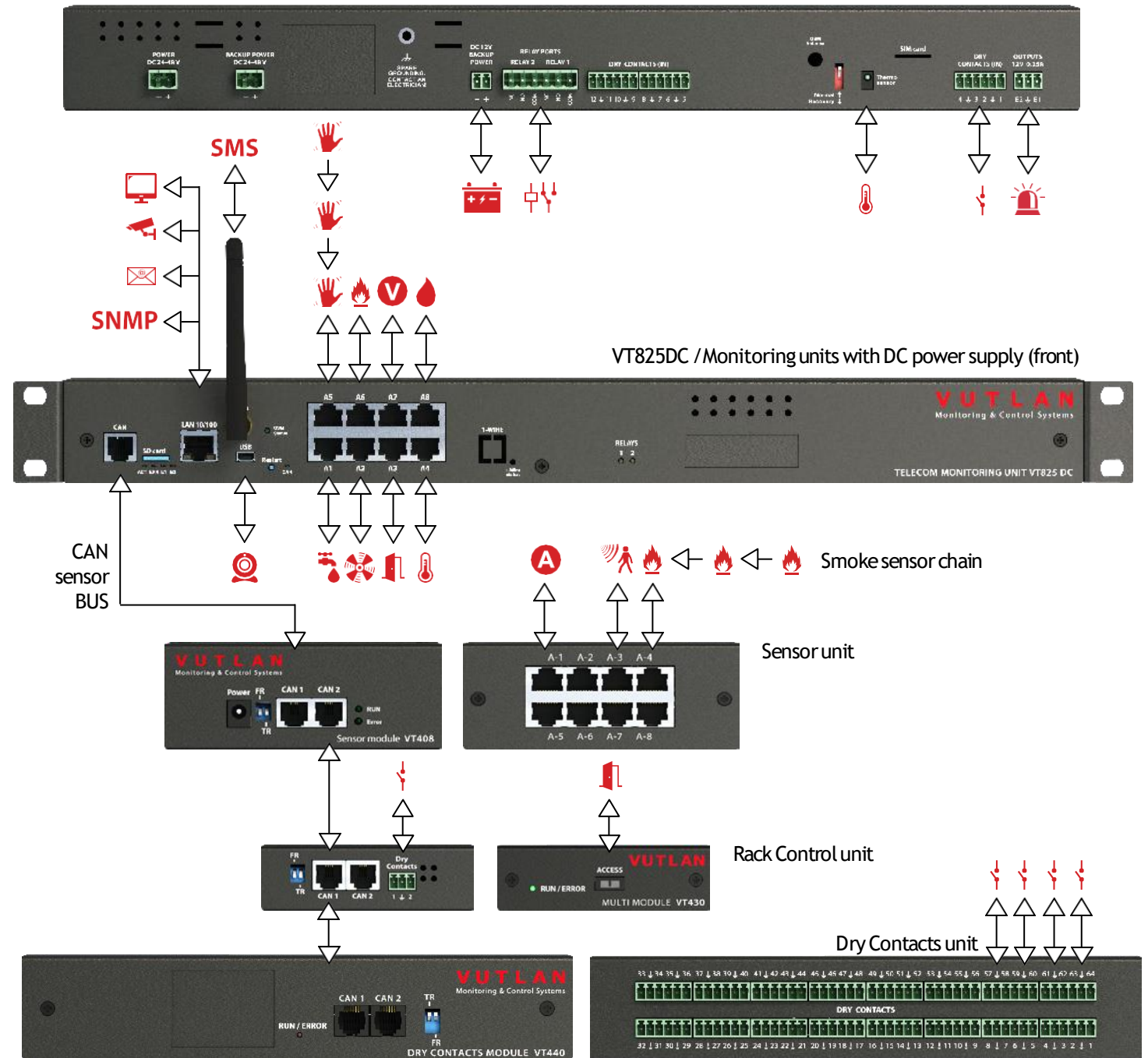




# Example connection:

## VT825 DC Telecom Monitoring unit

Unit uses power supply with two isolated DC +/- 24-48V inputs. Can use up to 100 different elements: notifications; triggers; timers; logics; analog, digital and 1-wire sensors, dry contacts, relays, and so on.



[www.vutlan.com](http://www.vutlan.com)

Data center & Telecom environment  
monitoring and control

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