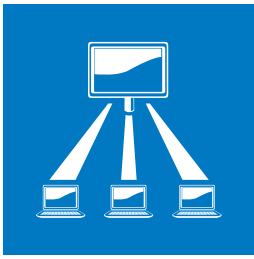
RTsystems

Remote Monitoring

TM3 The TM3 Range of Environmental Monitoring Systems

CONTENTS















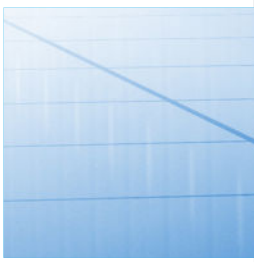



About RT Systems

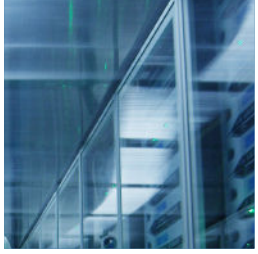
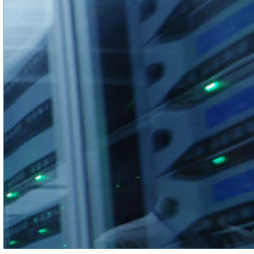
RT Systems was established in 2000 to cater for the growing need of many businesses for the continuous monitoring of their IT support infrastructure. In order to reduce the risk of system downtime as a result of unfavourable environmental conditions or power outages, IT managers have the need for a system that can provide early warning of various alarm conditions.

With a strong background in air-conditioning, PLCs and computer room design, the team at RT Systems has developed a number of comprehensive environmental monitoring solutions to cater for both GSM and IP based notification of alarm conditions.



RTsystems

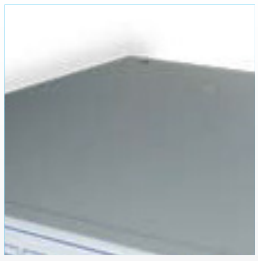




Why Environmental Monitoring?

With business placing an increasing demand on system availability, IT managers are now faced with the need to provide strictly controlled environmental conditions such as power, temperature, flood, humidity and fire protection. This means that the IT department is not only focused on providing support to IT systems but is now concerned with air-conditioning, generators, UPS and fire suppression systems.











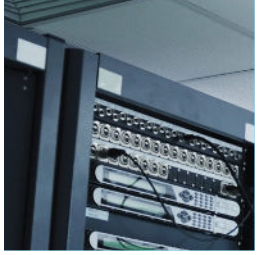

Introduction to the TM3

The TM3 range of environmental monitoring systems allow 24/7 monitoring of remote sites. Specially designed for the data centre market, the TM3 will alert the user of any abnormalities.

The TM3 hardware and software has been designed to enable network managers and IT infrastructure managers to minimise system vulnerabilities and reduce the impact of external environmental incidents. The TM3 will report any alarm monitored immediately, often before the user is aware that the problem exists, and removes the need for constant manual checks by local staff.

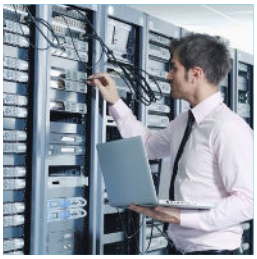
The TM3 hardware comes in a 1U 19 inch rack mounted form factor with two variants depending on the alarm management required. The alerting notifications, depending on the units selected, may be achieved via SNMP trap, email, SMS or a graphical user interface. Offering seamless integration to the most popular network management systems for multiple site deployments.

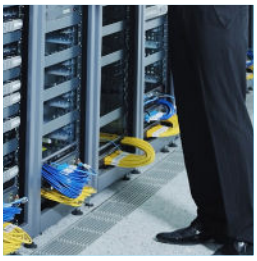
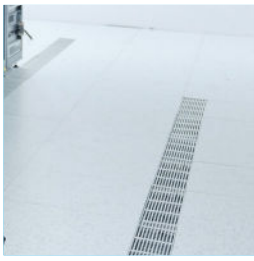
TM3



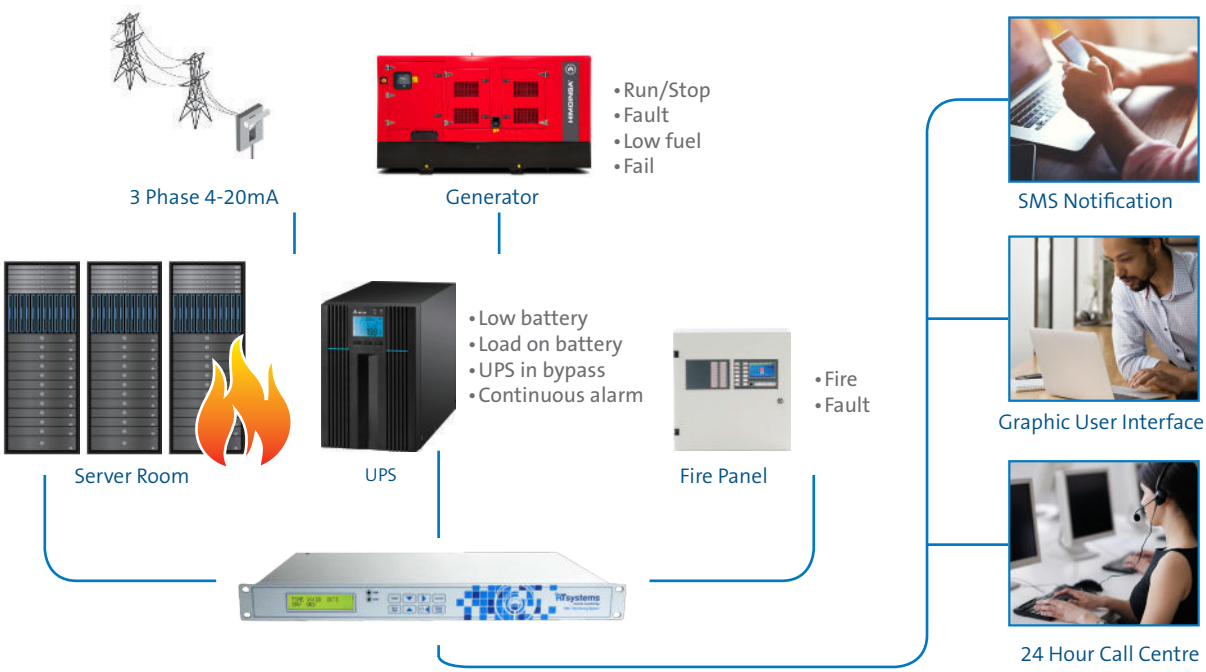






Designed and manufactured as the most comprehensive environmental monitoring unit in the TM range. The TM3 accommodates a large variety of inputs to ensure full coverage of your data centre.
Built-in battery back-up, informative LCD display and a user-friendly graphical user interface are just some of the features available on the TM3. Alerts and information may be sent via SMS, email and SNMP traps. The software integrated DVR will cover your security needs.



TM3 unit features	
GUI	SMS
SNMP	GSM
Internal back-up battery	Email
DVR	Selftest

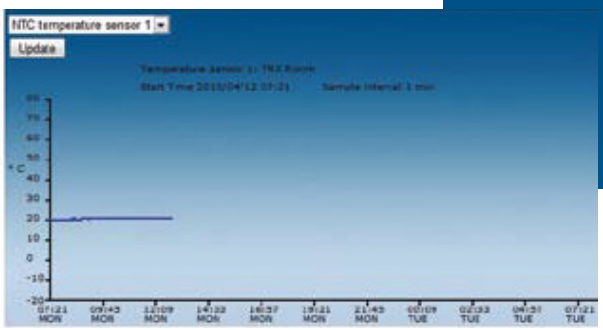
Installation features	
Temperature	4
Flood	2
Dry Contact	15
4-20 mA	3
Relays	2
12V DC	2
18V DC	1

GUI

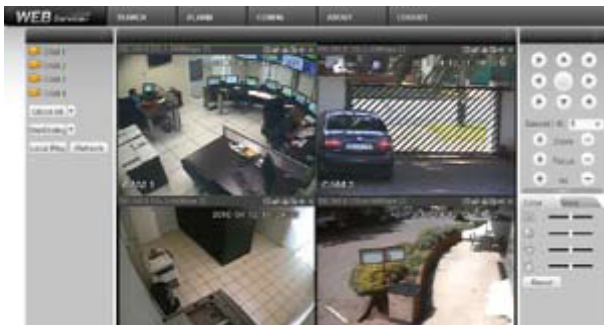
GUI (Graphical User Interface)

The TM3 Monitoring Unit displays and collects numerous types of data which can be viewed on the device's web interface. Data can also be accessed by SNMP and GSM SMS. On the web interface the following data can be viewed:

Device Configuration



Data History



Cameras

Alarm Configuration

Sensors

S1 Temperature Sensor

S2 Flood Sensor

S3 Dry Contact Cable

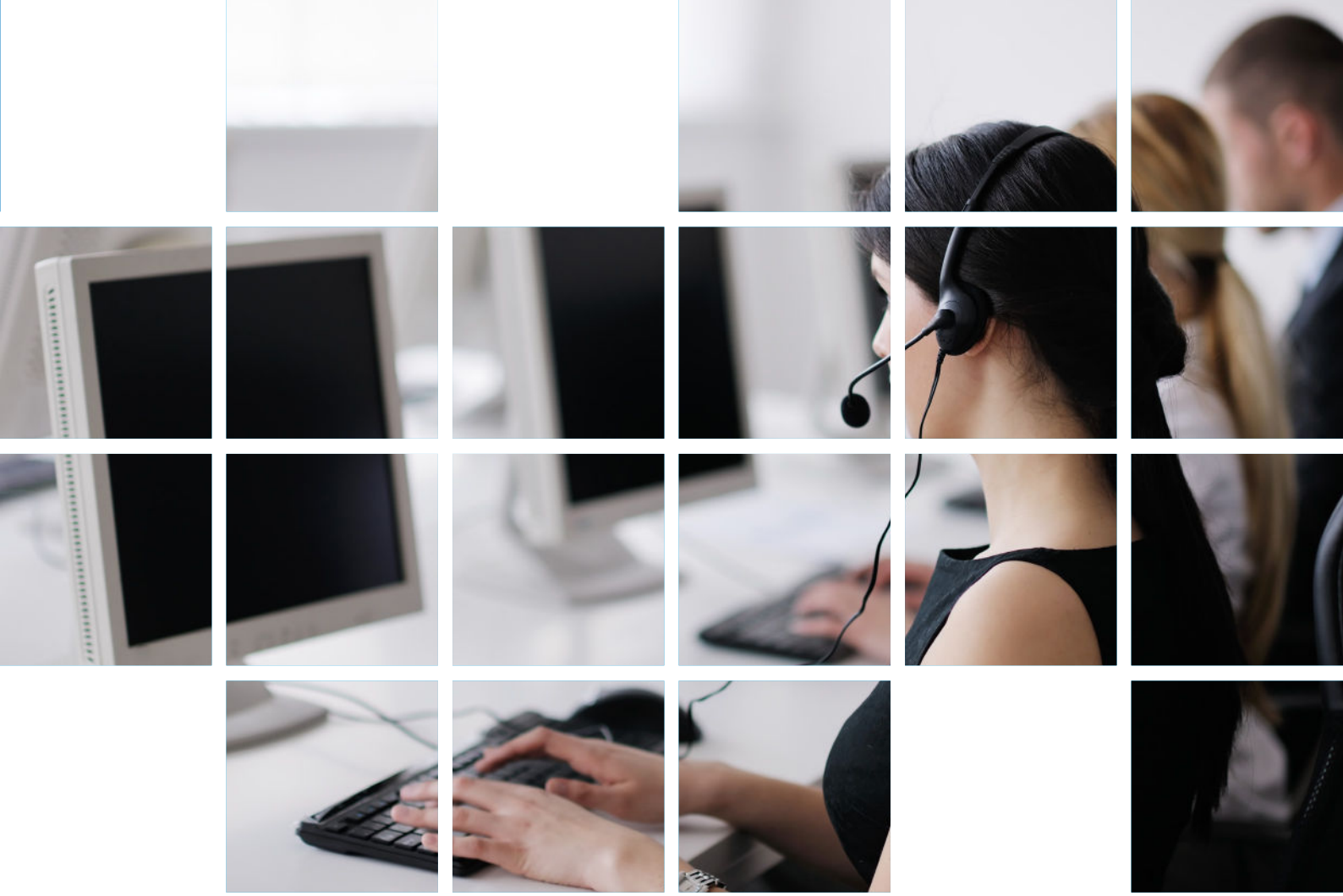
S4 Smoke Detector

S5 Humidity Sensor

S6 4-20 mA Current Transducers

Surveillance Solutions

H.265	H.265 encoding technology, 4K resolution output, power over coax (PoC).
REC	D1 resolution recording. Network Attached Recording (NAS).
HDD	Up to 2TB of recording. 30 days video capture on all channels.
Alarm	Motion Detection, Alarm Inputs, Relay Outputs, System Watchdog.
HDMI	Video outputs: HDMI, VGA and BNC analogue. All concurrently operational.
Dual stream	First stream for high resolution. Second stream for remote viewing applications.
USB	External USB Hard drive back-up. USB mouse optional. Flash stick ready.
Remote access	Remote live viewing, playback, record and configuration. Mobile phone software.
Cameras	Super HAD CCD, Super-High Resolution 540TVL cameras.



24 Hour Call Centre

Monitoring data collection

The objectives of the RT Systems' call centre service is to act as a 24-hour helpdesk or call logging facility on behalf of the client.
Call centre staff will log all the related calls on a dedicated software platform and forward them to predefined recipients for processing. The available options will ensure that data will be securely processed and stored on a server in an off-site hosting facility. A standard browser will be used to access and process data.

The 24-hour call centre:

- Independently logs all incoming calls and emails securely and forwards them to the predefined recipients
- Uses a software platform either supplied by RT Systems or the client to handle all the call logging and processing functionalities required
- Securely stores data and makes it available for further processing and reporting from a standard browser.

RTsystems

Johannesburg
Unit 4, Cambridge West, Cambridge Commercial Park, Witkoppen Road, Paulshof
Tel: + 27 (0) 11 646 5250

Cape Town
Unit 29, Creation Park, 2 Computer Road, Montague Gardens (Marconi Beam) 7441
Tel: + 27 (0) 21 761 4525

info@rtsystems.co.za
www.rtsystems.co.za