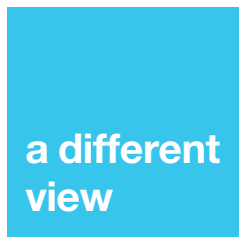




Information brochure



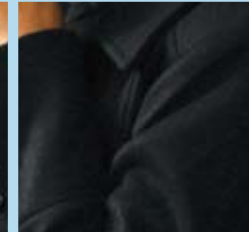
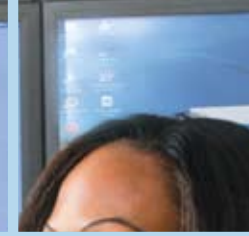
a different
view





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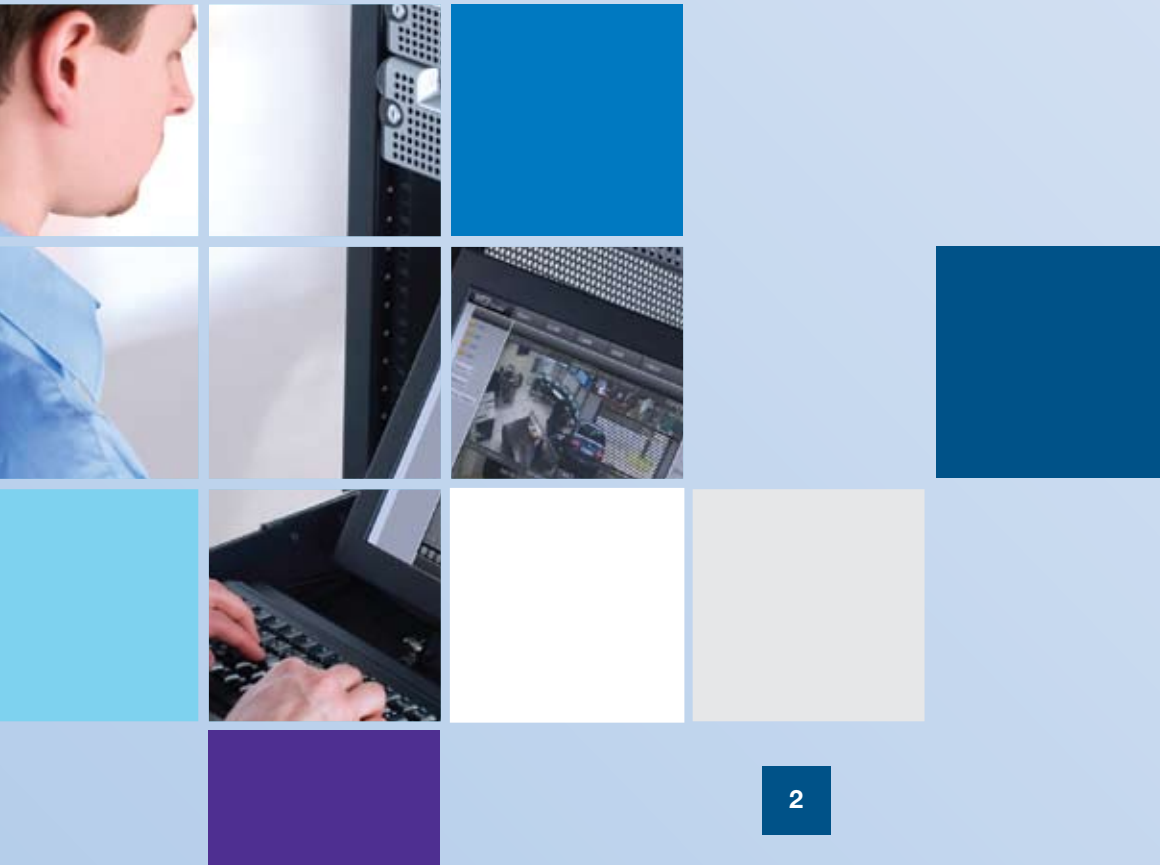
About RT Systems

RT Systems (Pty) Limited 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.

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 TM

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

The TM 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 TM 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.

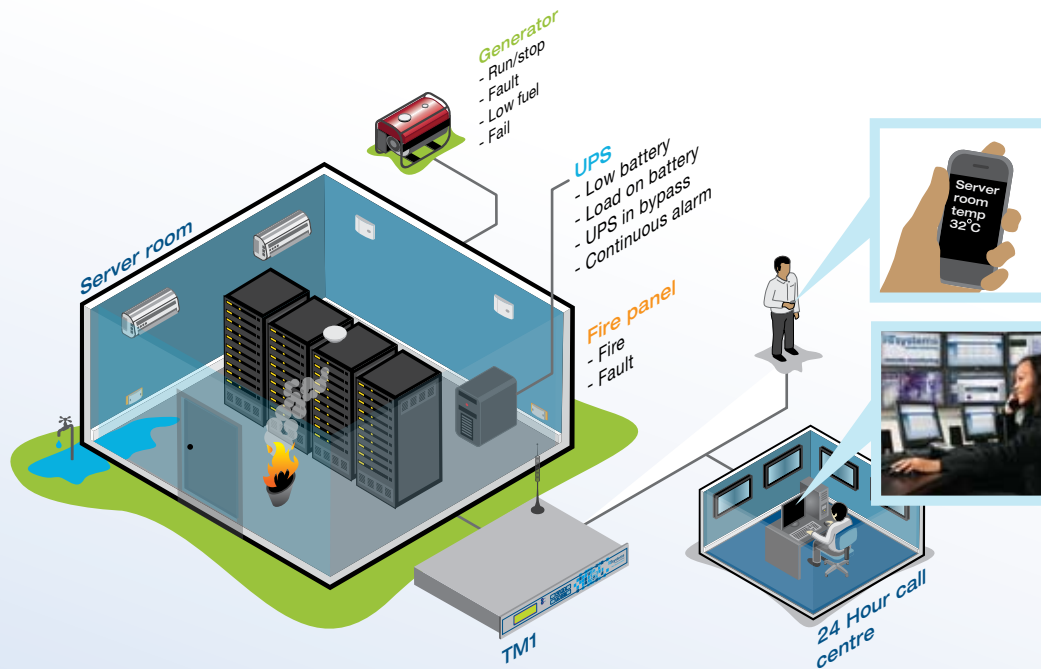
TM hardware variations come in three different 1U 19 inch rack mounted units depending on the alarm management required. The alerting notifications, depending on the units selected, may be achieved via SNMP trap, email, SMS and or a graphic user interface. Seamless integration to the most popular network management systems for multiple site deployments.



TM1

Some applications simply require SMS notification, the TM1 accommodates this requirement. The SMS messages are comprehensive and clear. Programming is accomplished via a user-friendly USB interface. The number of inputs accommodate most variations of computer rooms and DR sites.





TM1 unit features

GSM
Selftest
SMS
Internal back-up battery

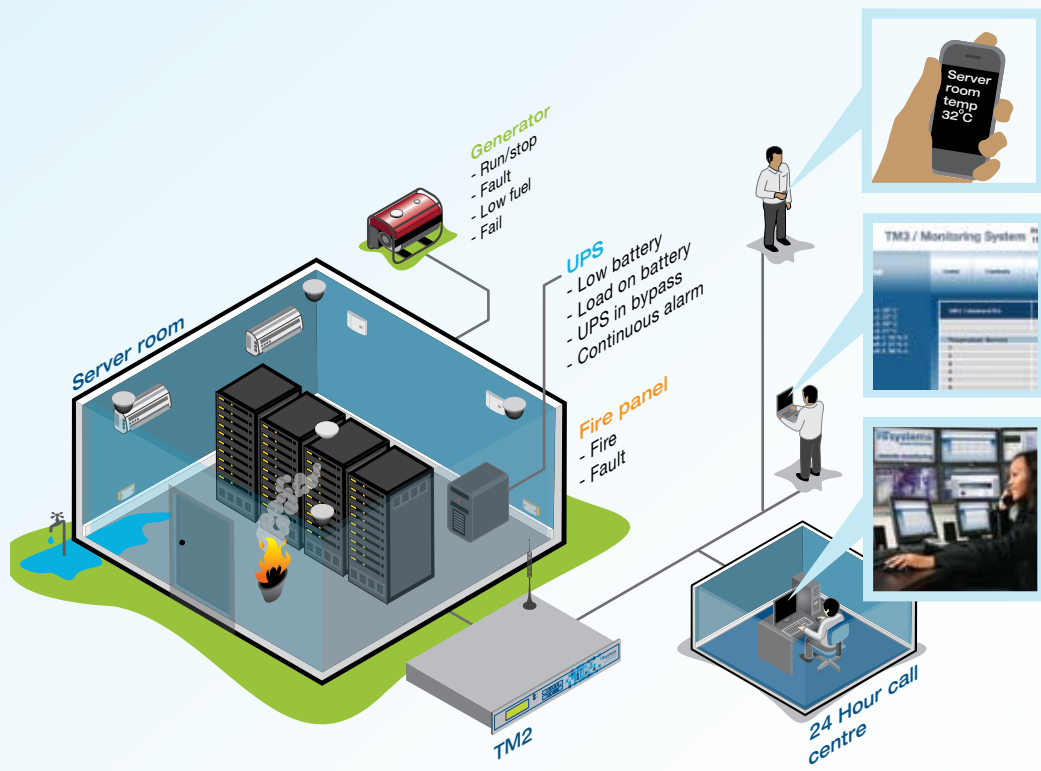
Installation features

Temperature	1
Flood	1
Dry contact	8
12V	1

TM2

The same reliability and flexibility as the TM3, the TM2 offers a solution for smaller applications that still require monitoring. Patch rooms and DR rooms are easily monitored with remote access via the graphic user interface. The optional software integrated DVR is available on the TM2.





TM2 unit features	
GUI	SMS
SNMP	GSM
Internal back-up battery	Email
DVR	Selftest

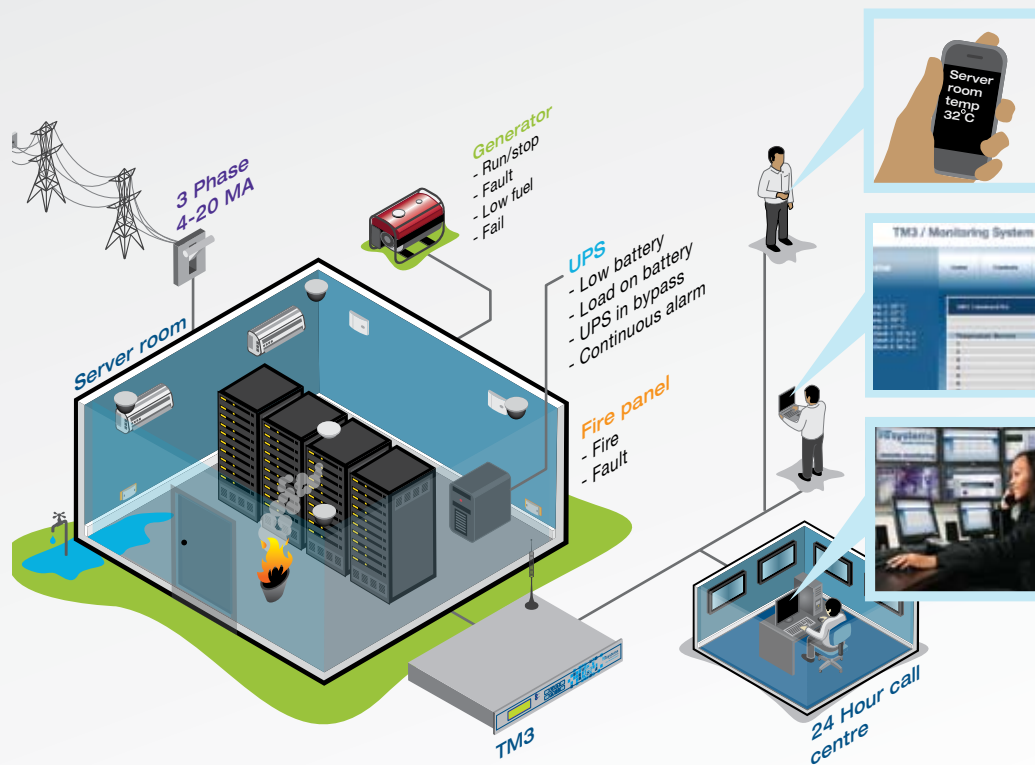
Installation features		
Temperature		1
Flood		1
Dry contact		8
12V		1

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 user-friendly graphic user interface are just some of the features available on the TM3. Alerts and information may be sent via SMS, email and SNMP traps, while the software integrated DVR will cover your security needs.





TM3 unit features

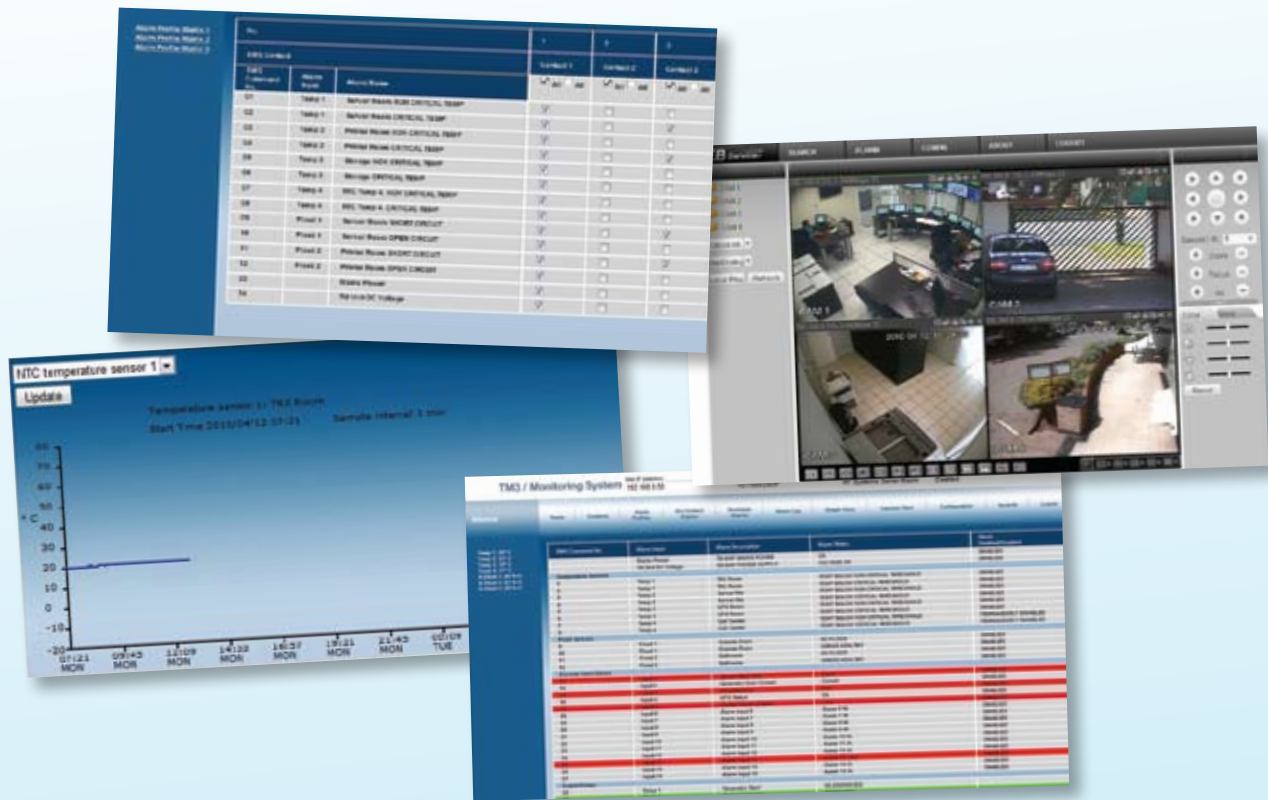
GUI
SNMP
Internal back-up battery
DVR
SMS
Email
Selftest

Installation features

Temperature	4
Flood	2
Dry contact	15
4 – 20 MA	3
Relays	2
12V	2
18V	1

GUI (Graphic User Interface)

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



Sensors



S1

S1 Temperature sensor



S2

S2 Flood sensor



S3

S3 Dry contact cable



S4

S4 Smoke detector



S5

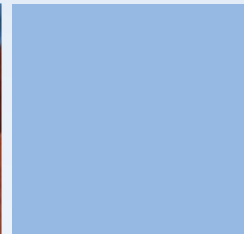
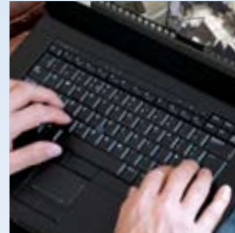
S5 Humidity sensor



S6

S6 4 – 20 Ma current transducers

Surveillance solutions



H.264	Latest compression technology, Linux embedded operating system.
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 concurrent 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	Sony 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.

The 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 goals of the 24-hour call centre services are:

- To independently log all incoming call and emails securely and forward them to the predefined recipients
- To use a software platform either supplied by RT Systems or the client to handle all the call logging and processing functionalities required
- The data has to be securely stored and available for further processing and reporting from a standard browser



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