

ESR MON

Environmental Server
Room Monitoring

ESRMon

ESRMon Focus:

- Environmental Server Room Monitor is a solution that monitors and alerts on the status of critical installations.
- These are usually high risk data centres or server rooms that require a controlled environment to function correctly.
- The data collected and reported on includes the power supply, controlled air & humidity levels ,access control ,UPS status ,current being drawn ,temperature ,humidity ,dew point ,generator status & runtime and video or static images.

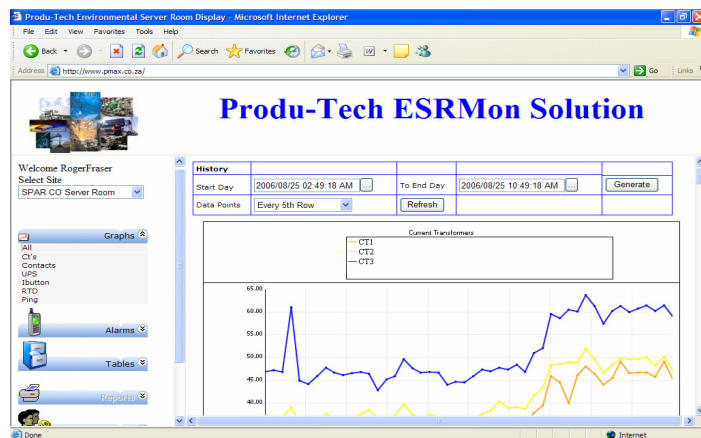


Diagram 1 Typical ESRMon web interface

Clients:

- SPAR Central Office
- Smith & Nephew pharmaceuticals

Application:

- The ESRMon server collects data from the sensors and devices at the installation using various interfaces such as 232,485 or Ethernet.
- The data is stored in a MS SQL database.
- If the data exceeds a custom client set threshold then alerts are generated and sent via email\SMS to interested parties.
- The data is used to generate web pages as requested.
- Reports are generated and emailed to interested parties on a weekly basis.
- Data is periodically automatically backed up to the ProduTech hosted server and alerts are generated should this fail.

Cost:

- Costs vary per installation a sample cost sheet is available on request.

Connectivity:

- Uses installed infrastructure by default but switches to GSM on system failure.

Interfaces:

- ESRMon can interface to a number of different equipment types usually found at typical installations such as standard UPS's,AMF generator controllers, Modbus protocol enabled devices and 1-wire temperature and humidity devices.
- It can include video data files in the reports and web pages from installed video devices.
- ESRMon can ping IP based devices to check availability .

Target Market:

- Any critical site where a variance in measurable factors could lead to lost time and damage.

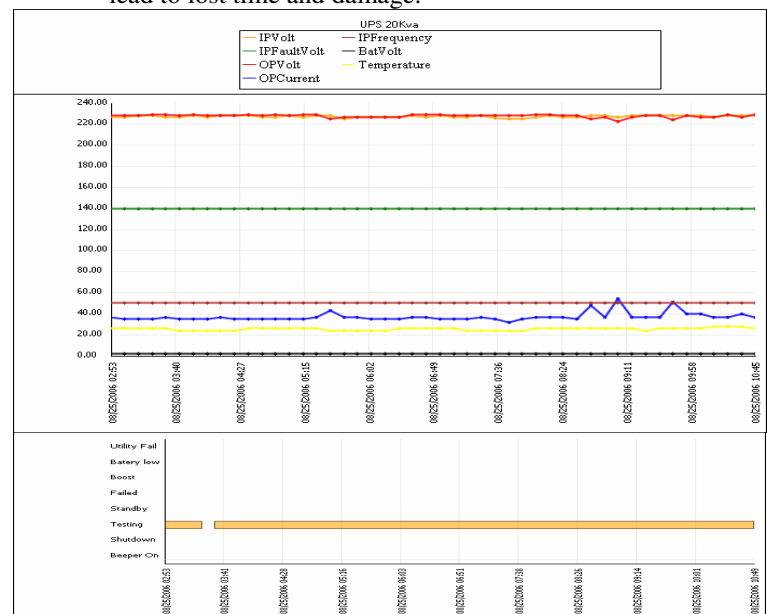


Diagram 2: Sample Graphs

Technology:

- Windows based server and web based GUI.
- Database stored in MS SQL.
- Intranet & Internet interface uses Asp.net application.
- Alerts sent via SMS/Email using 3G GSM data card.
- Reports are automatically generated and emailed to recipients.

Partnerships /Sales channels:

We will gladly look at forming partnerships with Large scale network admin companies ,UPS power suppliers and manufacturers , network consultants, Generator set OEM & Distributors , Large telecommunications operations. Corporate & Manufacturing server rooms, Data Centres, GSM base stations .Anywhere a threshold breach can lead to possible damage or downtime on a critical installation. Generator rooms for airports, casinos, hotels, hospitals etc

System Layout :

- See attached system layout.

System Layout:

ESR Mon Diagram

