



REMS Intelligent Rack For Large Organisations, Data Centres and Server Farms

The Background

The IT departments and IS companies are seeking to incorporate sound management and environment policies with the appropriate Health and Safety measures, whilst providing the high standards demanded by their internal or external customers. Solutions need to meet improved environmental criteria, fulfil health and safety requirements and result in **cost savings**.

The Opportunity

- 👍 To incorporate remote management policies to maximise operational efficiency with subsequent cost savings.
- 👍 To consolidate environment and facilities management services to reduce revenue expense through improved supplier management and negotiation.
- 👍 To individually bill for power consumed on a rack or half rack basis.
- 👍 To be able to publicly report measured and controlled environmental information.

Your Benefits

- ✓ Operational cost savings: e.g. lower support costs, reduced electricity charges and fewer insurance claims with lower insurance premiums.
- ✓ Ability of HQ staff to quickly and effectively manage and control sub contractors and routine monitoring duties at distributed locations.
- ✓ Ability to manage and secure a microenvironment such as a rack.
- ✓ Automated proof of regulatory billing and service charges.



REMS Solution

REMS solution can Monitor, Control and Manage any system at a computer facility to improve Environment Efficiency and deliver vital Management Information to the appropriate personnel whether they are located at the site, central office, on a mobile telephone, an internet terminal or a combination of all. The solution can be configured to automatically act upon the information, inform your staff to manually rectify the situation, record the event or an amalgamation of all three.

REMS Intelligent Rack will Monitor and Report on a rack, cabinet, enclosure or half rack basis 24 hours a day, 365 days a year All **Electricity Consumed, Rack Temperature, Rack Humidity, Racking System Cooling Fans Status, Fire Warning, Security Access** to each cabinet so it is possible to identify when a door or panel is opened and closed or left ajar.

These parameters are maintained within predefined thresholds. If these thresholds are crossed an Operations Analysts is notified immediately and initial fault identification procedures are instigated from the management centre. The REMS Intelligent Rack permits a **remote** Engineer to **power cycle** the affected computer or network equipment down to a **specific power socket**. The Intelligent Rack then **instigates reconfiguration** of the affected equipment via a **console port**. All of which is available with the REMS solution either by **out of band** or **in band** communications.

REMS Solution Plus

Additional Operational and Environment Efficiency can be gained by the effective monitoring and control of air conditioning equipment, digital cameras, security access, battery back-up and generator systems plus individual room gas and flood sensors. The REMS Solutions Plus can be used to monitor and report on the water, gas and fuel consumption permitting accurate billing or cross charging from a common source whilst achieving the economies of scale possible with single supplier agreements.

The REMS International solution can Monitor, Control and Manage all of the components regardless of manufacturer.