



Secure power for buildings and sites

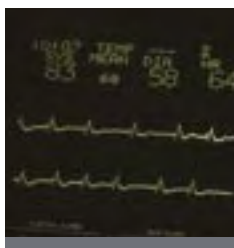
The public electricity supply, although very reliable, does suffer from outages which can result in catastrophic business losses.

Industry quoted examples for a loss of supply for just one hour typically costs a chemical or pharmaceutical factory £1M, a data centre £250k, a financial institution £800k and a transport company £800k. Minimisation of supply failure is essential.

We can design and deliver a secure power system using our extensive range of SCADA, PLC and intelligent control and metering products.

continuous

supply



Solution

A well-designed secure power system will continuously monitor and control incoming supplies, UPS equipment and local generators, and will ensure confidence in maintaining maximum availability of electrical supply. When there is insufficient standby power, a secure power system can load-shed supplies to ensure critical loads are maintained.

Following the restoration of supply, the system can have the capability of automatically reconfiguring the power distribution network to its normal operating state in a controlled manner.

A secure power system can automate the supply either across a complete facility or for just specific critical areas depending on the business need.

These facilities are implemented through networked PLCs which monitor and control the supply sources and main switchboards forming the system. They may be combined with a Human Machine Interface (HMI) or a full supervisory system (SCADA). Where the supply security is paramount, the networked control system may be configured with redundant components to ensure operation is always possible.

Benefits

The major benefits of such a system are:

- Power outage is minimised or eliminated
- Greater visibility of the system operation through a centralised HMI
- Remote management of the plant assets
- A record of the sequence of events during a disturbance
- Predictable reaction to a supply outage

Our capability

Schneider Electric is a world leader in power control applications and has been designing and delivering solutions in secure power for many years using our extensive range of SCADA, PLC, and intelligent control and metering products. Our secure power solutions feature high levels of resilience with dual redundant architecture and high integrity communications networks.

We have extensive skills in integrating systems to third party products and other enterprise systems. Once delivered, we can offer a range of support services throughout the lifetime of the system including a 24 x 7 service.

Our experience covers a wide range of environments including hospitals, financial institutions, telecommunication data centres and manufacturing plants.

