

## Manufacturing Applications



Production of goods is the area in this sector where most of the processes need constant power protection to safeguard people and equipment.

### Applications

- A vital UPS application in this sector is the control and security of production lines. This is true both for protecting sensitive and delicate equipment and due to the importance of production continuity
- Data processing in terms of its transmission and storage is very important in order to contain the risk of loss of critical business information
- Security is of particular relevance both for the safety of employees and for safeguarding machinery and goods, in terms of intrusion detection (such as CCTV), fire fighting and so forth.

### Criticalities

- Power protection of production lines and process control is of the utmost importance in this sector due to the consequences that result from machinery stopping that can lead to damage to the production lines or manufacturing materials.

A power loss in this case may also cause a failure in the safety mechanisms provided to protect workers

### Advised solutions

- For production lines, the best solution is to use a centralized UPS in a parallel redundant configuration. The topology is completed with the use of CROSS static switches to separate the different loads or group of loads. For this solution a remote diagnostic solution through LIFE.net is strongly advised.
- For data servers and processing, a solution with a parallel redundant set of UPS to increment the reliability of the supply system is advised.
- As far as the supply of security equipment is concerned, it is useful to have a distributed system composed of smaller size UPS units in rack version wherever possible in order to fit them into rack cabinets.

### Connectivity solutions

If smaller UPS are needed in a distributed topology, the connectivity solutions to manage and monitor the UPS, such as ManageUPS and MopUPS, should be proposed. For bigger and centralized UPS, on the other hand, a solution which includes the LIFE.net remote diagnostic tool is advised.