

Press release

Initi@tive 2007 in Nice: Schneider Electric presents Critical Power, a service offer that guarantees the security and availability of electrical distribution

Nice, January 30th 2007 – For the 12th edition of the Initi@tive trade fair, which takes place from January 30th to February 2nd 2007 at Nice, Schneider Electric plays host to 4,000 customers from the Mediterranean basin to the Baltic, from the Atlantic coast to the shores of the Black Sea.

For them, this private event is an opportunity to discover – through conferences, demonstrations or exhibition stands – the solutions, innovations and applications presented in the fields of energy efficiency and automation.

1. To respond to the imperatives of reliable, safe, high performance buildings and to help its customers accept the growing challenge of energy efficiency, Schneider Electric develops personalised services that enable:

- optimised energy consumption for greater efficiency;
- increased performance in electrical installation reliability and availability;
- control of costs and risks relating to operating and maintenance activities.

In this way, Schneider Electric develops high added value Services to maximise the performance of its customers and minimise their operating costs.

These services have been adopted by many of the group's customers. Among these are Saint Joseph Hospital in Marseille and the Telehouse Data Center.

Saint Joseph Hospital in Marseille: securing electric power supply to protect human lives

In a world ever more dependent on energy, electrical availability is one of the vital stakes. This is even more important in hospitals, where power outages can have very serious consequences on patients' lives.

In fact, many sectors are vulnerable to electrical power supply perturbations, such as:

- information systems (computers, data networks, etc.);
- infrastructure (operating theatres, intensive care units, etc.).

Aware of the importance of secured power supply, Marseille's Saint Joseph hospital joined forces with Schneider Electric in order to ensure the availability of electricity for the continuity of health care.

"For us, the availability of quality energy is a serious business. For the modernisation plan for our electrical installations and compliance with the new standards, we relied on the competence of the Schneider Electric teams", states Mr. Rovello, Assistant General Director of Saint Joseph Hospital.



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To guarantee the continuity of all the hospital departments, Schneider Electric installed the Critical Power offer, an approach that aims to ensure balance between the three pillars, which are:

- the architecture of the hospital's electricity network, designed to ensure the availability of electric power distribution according to the establishment's critical levels;
- the products and equipment chosen and duly installed within the building;
- the operating and maintenance services, adapted to the required level of performance.

And, to respond to the inevitable changes and developments in the hospital's needs, the electrical distribution installation set up by the group is geared to be modified in consequence: quality, availability, protection plan and monitoring are among the elements that change according to needs.

This means the hospital is equipped to meet its objective: continuity of health care.

The leading private hospital in France, the hospital has 800 beds, performs 25,000 surgical operations annually and 3,500 births. The hospital hosts 22 medical and surgical specialities and has an emergency service for adults and another for children, both used intensively.

With 19 operating theatres and the reanimation and intensive care departments, the technical area covers 20,000 m², to which should be added 11 delivery rooms and 2 obstetrics theatres. Altogether, this represents consumption of nearly 14 million kWh.

The TELEHOUSE EUROPE data center: hosting critical telecommunications and information systems in complete security

Specialised in the telecommunications business, Telehouse Europe, a subsidiary of Asian group KDDI, is a web host with 30,000 m² of server spec at European level.

"Telehouse supplies excellence in terms of service, hosting and critical applications thanks to an electrical, air-conditioned, secure infrastructure with a high level of redundancy", says Olivier Caron, operational head of Telehouse France

To achieve this, the new generation Data Center is equipped with 10 Megawatts of electrical power, supplied by 2 redundant EDF lines and 4+1 electricity generators.

Above all, the availability of electrical energy is used to supply the servers and air-conditioning equipment to cool the installation. *"Telehouse called in the Schneider Electric experts during the design and architecture phases, as well as during the development, set up, operation and maintenance phases",* adds Olivier Caron

Schneider Electric worked on guaranteeing the Data Center's continuity of service, paying particular attention to the architecture of the electric power supply and the supervision system. The electrical system created by Schneider Electric, ranging from medium to low voltage and including the supervision system, ensures a changeover of the 2 20 KV EDF lines in 3 seconds (PASA cabinet) and a changeover to the generator in less than 15 seconds.



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In the medium term, the group is tipped to accompany Telehouse as it develops – developing solutions in terms of architecture/products/services or following the development of its products, seeking permanent improvements in the organisation of maintenance.

The future is firmly in your hands...let's build it together!

About Schneider Electric

World leader in electrical distribution, automation & control, through its world brands Merlin Gerin, Square D and Telemecanique, Schneider Electric develops a global offer of products and services for the residential, building, industry, energy and infrastructure markets. In 2006, Schneider Electric's 105,000 employees generated turnover of € 13.7 billion through 13,000 sales outlets in 190 countries.

Schneider Electric

**Bringing the best of the New Electric World
to everyone, everywhere, at any time**



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