

## Press Release

### **Schneider Electric reinforces its partnership with the International Polar Foundation by providing the electrical distribution and building utilities management for Princess Elisabeth, the first “Zero Emission” scientific research station**

**Brussels, September 7, 2007** – In Brussels, Schneider Electric and the International Polar Foundation (IPF) present Princess Elisabeth, the first “Zero Emission” scientific research station, before its installation in the Antarctic

In an unprecedented initiative, the station will exclusively use renewable energy: solar – via photovoltaic panels – and wind power. This process avoids all emissions of CO<sub>2</sub> and other greenhouse gases. Schneider Electric's offer of energy services, solutions and products actively help to reduce CO<sub>2</sub> emissions. In this way, 50,000 metric tons of CO<sub>2</sub> are economised every year in the framework of contracts managed by the Building Automation Business Unit.

*“For Schneider Electric, participating in the extraordinary adventure of the Princess Elisabeth Antarctica research station is a highly significant action. Alongside the International Polar Foundation, we share the same values – environmental responsibility, concern for the planet and the absolute need to reduce CO<sub>2</sub> emissions. Finally, this is the first time that our products will encounter such extreme conditions, with temperatures of -40°C and under remote control for four months of the year”,* explains Jean-Pascal Tricoire, President and CEO of Schneider Electric.

*“It is also a tremendous scientific adventure and learning process”,* adds Gilles Vermot-Desroches, Schneider Electric's Senior Vice-President Sustainable Development. *“Alain Hubert, the founder of the IPF, will be working with us, alongside a team of scientists and experts, to raise awareness in all of Schneider Electric's employees of the history of the climate and its changes, because the poles are where the world's climate is constructed”.*

#### **Schneider Electric and the IPF: a special partnership for a responsible, high-performance research station, economical in its use of energy.**

Schneider Electric provides not only the electrical power supply, but also all of the building's technical management and its remote control process.

##### **1) The electrical power supply and distribution:**

- Prisma+ cabinets and switchboards will ensure electrical distribution. They are entirely fitted with modular multi 9 switchgear. All this equipment is standard, as, right from the start, it is capable of functioning in extreme conditions.

##### **2) Remote management:**

- a SCADA system enables maintained optimum operating conditions by limiting over-consumption. Information is captured and TeSys contactors enable load shedding functions, for example, when necessary.

##### **3) Supervision and command control:**

- programmable Quantum automation units are installed in redundancy in order to ensure command control of water treatment and automatic switch-over from wind power to photovoltaic power in the event of violent wind conditions.



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- the HVAC system is completely autonomous. It enables control and management of the station's temperature, ventilation and hygrometry level.

### **About Schneider Electric**

*The world leader in electrical distribution and automation & control, Schneider Electric develops a global offer of products and services for the residential, buildings, industry, energy and infrastructures markets. In 2006, the 112,000 employees of Schneider Electric generated sales of € 13.7 billion through 15,000 sales outlets in 190 countries.*

### **Schneider Electric**

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



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