

### Industry Sector Building Technologies Division

Zug, March 4<sup>th</sup>, 2011

**Hospital Build**  
Nuremberg, 4–6 April 2011  
Siemens, Hall 4, Booth C6

#### **Hospital Build 2011: Siemens Innovations for Efficient Hospitals**

**At Hospital Build 2011 in Nuremberg, Siemens will present its concepts and innovations for safe, efficient, and environmentally friendly hospital operations under the motto “Increase safety, maximize efficiency.” A major highlight at the Siemens booth C6 in Hall 4 is a fully functional laboratory that shows Siemens technology in action. The Siemens booth also features solutions aimed at increasing patient comfort, including the HiMed Multimedia Entertainment terminal.**

In modern laboratories, safety and energy efficiency are number one priorities. When handling hazardous substances, it is not only necessary to avoid room air contamination or the formation of explosive concentrations, but also to optimize energy consumption. The Siemens Building Technologies Division meets these two requirements with its new laboratory solution which combines the Desigo building automation system and other disciplines with innovative control mechanisms for directed air flow and extraction in fume hoods.

This integrated approach results in a complete single-source solution that provides automation and control of Heating, Ventilation and Air Conditioning systems, lighting, video surveillance and access control, as well as fire safety and power distribution systems. The autonomous fume hood controllers communicate via standardized LON interfaces with the room controllers, which determine the required supply and exhaust air volumes in the room in quasi real time and rapidly adjust them if needed.

The Siemens laboratory solution can be used for fume hoods of any type and from any manufacturer and was successfully certified according to SN EN 14175, Part 6.

## **Mobile laboratory showroom for live demonstrations of Siemens technology**

At Hospital Build 2011, a mobile laboratory will demonstrate that Siemens' integrated laboratory solution sets new standards in the industry. This 5 m<sup>3</sup> room is equipped with all necessary disciplines and is fully functional. In addition to an HVAC control system tailored to laboratory requirements, environmental monitoring and airlock control, the mobile laboratory also includes integrated systems for personnel and fire safety, security, explosion prevention, and a sophisticated alarm system. All applications are displayed on a Desigo Insight system which offers open interfaces for integrating products from third-party vendors (such as particle sensors).

## **Increased patient comfort**

With its HiMed Multimedia Entertainment terminal, Siemens is bringing the future into the hospital rooms of today. This user-friendly multimedia terminal with touchpanel operation is attached to the hospital bed and lets the patient control the room environment (lights, blinds, windows, temperature), communicate by phone and e-mail, and use several entertainment options such as TV and Internet. In addition, the patient has interactive access to hospital information and to virtual consultations. The HiMed Multimedia terminal also offers benefits to doctors and nursing staff. With their ID, they can access patient records right from the patient's bedside. This ensures that all the required information is available anytime and anywhere.

## **Green+ Hospitals for sustainability in hospitals**

In today's healthcare climate, hospitals are faced with numerous challenges. Doctors and hospitals are expected to continuously improve the medical care of patients while also lowering costs and reducing their impact on the environment. To help the healthcare sector meet these challenges, Siemens has developed the Green+ Hospitals program. The "plus" in the name symbolizes that sustainability in the healthcare industry goes beyond environmental protection. It has far more to do with increasing the efficiency of workflows, improving the economic sustainability of hospitals and medical offices, and optimizing the quality of medical care—without ignoring environmental aspects. The Green+ Hospitals program combines all Siemens solutions that help hospitals meet these criteria.

Hospitals benefit from the Green+ Hospitals program by optimizing their workflows and streamlining processes for improved efficiency. Innovative medical systems and high-tech building infrastructures help reduce costs and improve medical care. Patients, in turn, benefit from shorter wait times as well as new diagnostic and treatment methods that place less strain on the body and increase the quality of care. As part of its Green+ Hospitals program, Siemens also provides consulting services to its customers in the areas of building automation, energy management, instrumentation and control, as well as IT and communications infrastructure.

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The **Siemens Industry Sector** (Erlangen) is the world's leading supplier of environmentally friendly production, transportation, building and lighting technologies. With integrated automation technologies and comprehensive industry-specific solutions, Siemens increases the productivity, efficiency and flexibility of its customers in the fields of industry and infrastructure. The Industry Sector consists of six divisions: Building Technologies, Drive Technologies, Industry Automation, Industry Solutions, Mobility und Osram. With approximately 204,000 employees worldwide (September 30, 2010), Siemens Industry had sales of approximately €34.9 billion in the 2010 fiscal year.

<http://www.siemens.com/industry>

The **Siemens Building Technologies Division** (Zug, Switzerland) is the world's leading provider of safe, secure, and energy efficient solutions for buildings ("green buildings") and building infrastructure. As a service provider, system integrator, and product supplier, Building Technologies offers building automation, HVAC, fire safety, security, low voltage power distribution and electrical installation technology. With approximately 42,000 employees worldwide (September 30, 2010), Building Technologies had sales of €6.9 billion in the 2010 fiscal year.

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