

# **Press Presse Press Presse**

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## **Siemens showcases urban solutions at Hannover Messe** Focus on smart grids, building technology and mobility solutions

From April 4 to 8, Siemens is showcasing its urban solutions expertise for visitors to the Hannover Messe. With the help of selected lighthouse projects, the company is demonstrating, among other things, how smart grids can interact with intelligent building systems and how urban traffic flows can be optimized. Siemens' activities in the areas of smart grids, power distribution and mobility solutions are all part of its newly established Infrastructure & Cities Sector. "Cities are a key growth market for the future. As an integrated technology company, we're already better positioned than any other company to meet the demand for sustainable urban infrastructures," said Roland Busch, member of Siemens' Managing Board and CEO of its Infrastructure & Cities Sector, in Hanover, Germany. "At this trade fair, we're showcasing innovations that can make tomorrow's cities ecofriendlier and more livable."

In cities, the infrastructure market addressable by Siemens totals about €300 billion a year. The segment of this market that lies within governments' sphere of influence is growing particularly fast. By 2015, this segment will have a market volume of €100 billion – an annual growth rate of five percent. Siemens wants to be a leading participant in the dynamic growth now taking place in cities and infrastructure investment.

For this reason, the company has set up a fourth Sector, Infrastructure & Cities, in addition to its Industry, Energy and Healthcare Sectors. In the new Sector, which comprises selected businesses from the Industry and Energy Sectors, Siemens has bundled its expertise in promising infrastructure fields like smart grids and future-oriented transportation and power supply concepts. Siemens solutions are already helping make cities more livable. The company is showcasing part of its multifaceted solutions portfolio for visitors to the Hannover Messe.

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### Example: Building technology in Berlin

In 1995, Berlin introduced an energy-saving strategy to reduce  $CO_2$  emissions. The German capital also faced a financial challenge: the total energy costs of some 200 public buildings were over  $\leq$ 17 million a year. To sustainably reduce  $CO_2$  emissions and cut costs, Berlin entered into an energy-saving partnership with Siemens. With a so-called energy-saving performance contract, Siemens calculated and realized the potential savings in energy and operating costs at each building. Under the terms of the contract, the costs of required investments are offset by contractually guaranteed savings. At the end of the contract period, all benefits from the reduction in operating costs accrue to the customer. As a result of its partnership with Siemens, Berlin is now saving over  $\leq$ 5 million in energy costs and reducing its  $CO_2$  emissions by some 30,000 tons a year. Siemens has implemented over 6,500 energy-saving building projects worldwide, with guaranteed savings totaling nearly  $\leq$ 2 billion and annual  $CO_2$  reductions of substantially more than 9 million tons.

#### Example: Integrated mobility solution in London

The city of London has set ambition goals for cutting its greenhouse gas emissions. Using currently available technologies, the UK's capital can already reach these goals without a significant alteration in residents' lifestyles. Applying these technologies will reduce emissions of climateharming gases by 44 percent by 2025, compared to 1990. Additional technological innovations will bring the 60 percent reduction targeted for 2025 within reach. An integrated mobility concept is a key lever for achieving this goal. For example, Siemens technology has enabled London to implement a congestion charge for local traffic. An intelligent video system from Siemens registers the license numbers of vehicles entering the city center and determines if the appropriate toll has been paid. City streets now carry 60,000 fewer cars per day, a 20 percent reduction in traffic volume. Traffic flow has improved 35 percent, cutting CO<sub>2</sub> emissions by 150,000 tons a year. The city's charge system is part of an integrated traffic solution developed by Siemens. The solution intelligently networks streets and rails to optimally utilize the existing transportation infrastructure. A new regional train fleet comprising some 1,200 Desiro trains from Siemens is improving commuter travel. Heathrow Express and Heathrow Connect now provide travelers with a quick, direct link between the city and the airport. A satellite positioning system is optimizing information for bus passengers in the city and the routes of some 8,000 London buses. In addition, the city's bus fleet now boasts the first vehicles powered by Siemens' hybrid technology.

**Siemens AG** (Berlin and Munich) is a global powerhouse in electronics and electrical engineering, operating in the industry, energy and healthcare sectors. For over 160 years, Siemens has stood for technological excellence, innovation,

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quality, reliability and internationality. The company is the world's largest provider of environmental technologies, generating some  $\leq 28$  billion – more than one-third of its total revenue – from green products and solutions. In fiscal 2010, which ended on September 30, 2010, revenue totaled  $\leq 76$  billion and net income  $\leq 4.1$  billion. At the end of September 2010, Siemens had around 405,000 employees worldwide. Further information is available on the Internet at: www.siemens.com.

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estimated or projected. Siemens neither intends to, nor assumes any obligation to, update or revise these forwardlooking statements in light of developments which differ from those anticipated.

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