



## Fact sheet – Siemens Environmental Portfolio

**Many of Siemens' products are helping customers to reduce their environmental footprint and combat climate change. These are the products that make up the Siemens Environmental Portfolio.**



### **Siemens' Environmental Portfolio is both economical and ecological**

- Siemens' Environmental Portfolio covers the complete energy chain as well as environmental technologies.
- All four Siemens' business sectors contribute.
- In FY 2011, our technologies helped customers save 317 million tons of CO<sub>2</sub>.
- Many of the technologies in our Environmental Portfolio pay back the necessary upfront investment with their energy savings.
- Climate protection is a triple win situation: Economic benefits for our customers, higher quality of life for society, and superior growth for Siemens.

### **Green technologies are a significant growth driver**

- In FY 2011, our Green Portfolio generated around €30 billion in revenue, 9% growth compared to FY 10 on comparable basis.
- In addition to its environmental benefits, our Environmental Portfolio enables us to compete successfully in attractive markets and generate profitable growth. We expect revenue of the Environmental Portfolio to grow to €40 billion by 2014.
- We set standards in transparency: Ernst & Young reviews our portfolio regularly and confirmed our calculations.

### **Also internally we are focusing on "green"**

- Our products comply with the most stringent environmental standards, from their development and manufacture to their disposal.
- We implement our most energy-efficient technologies within our own company, e.g. equipping facilities with the latest building technologies, exchanging traditional lighting systems with energy saving lamps, installing energy efficient drives in new and upgraded production facilities.
- Siemens was one of the first companies in Germany to align its company car policy for executives with the climate protection goals of the European Union. In this pioneering role, the company wants to ensure that its company car fleet, which comprises some 2,500 vehicles in Germany, achieves the EU reference value of 120 grams of CO<sub>2</sub> per kilometer by 2015.



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### Siemens has the key to green buildings

- Siemens systems are cutting energy consumption in public buildings by up to 30%.
- Since 1995, Siemens has implemented over 6,500 energy-saving building projects worldwide, with guaranteed saving totaling nearly €2 billion and annual CO<sub>2</sub> reductions of substantially more than 9 million tons.
- By digitizing information flows in hospitals, Siemens has cut hospital outlays for internal mail by up to 60%.

### Siemens transportation systems reduce traffic jams, stress and smog

- Installing Siemens light rail systems in all cities of more than a million inhabitants would cut annual CO<sub>2</sub> emissions by 7.6 million tons.
- Siemens systems underpin the London congestion charge, which has reduced traffic in the city by 60,000 cars a day.
- Built by Siemens, the world's fastest train in series production uses only a Coke can of fuel per 100 passenger-kilometers.
- Installing Siemens LED technology in its traffic signals can save a city with 700 intersections more than €1 million a year.

### Siemens supplies cities with clean electricity and water

- More than 9,800 wind turbines from Siemens are now in operation worldwide. One of our new 6 MW direct drive wind turbines can supply up to 6,000 European households with clean energy.
- If all fossil power plants would be equipped with our latest most powerful gas turbine, 2.5 billion tons of CO<sub>2</sub> could be saved every year. That equals about 2.5 the amount of CO<sub>2</sub> that Germany emits a year.
- Siemens innovative high-voltage direct current (HVDC) solutions have 30-50% less transmission loss than comparable alternating current overhead lines.
- Every day, Siemens technology cleans considerably more than eight billion liters of water worldwide – enough to fill 16,000 swimming pools.