

Siemens and Expo 2010

Shanghai, China

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China to hold the first **green** Expo in history



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Global Partner of Expo 2010 Shanghai China



- **Measures planned to reduce carbon emissions related to the Expo by 60-70%**

- **'Carbon balance' achieved within 4-5 years after the Expo**

- **Construction of Expo Park integrated in urban development of Shanghai**

- **Broad deployment of green technologies e.g. LED, photovoltaic, on Expo Ground**

- **City-wide environmental campaign, e.g. 'Green Transportation'**

On track for a green Expo with Siemens



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Transportation



Siemens eco-friendly train systems transport 70 million visitors to Expo

Lighting



More than 50,000 Siemens LEDs cut energy consumption for illumination by 80%

Building Technology



Siemens energy-saving technologies create legacy landmarks for the city

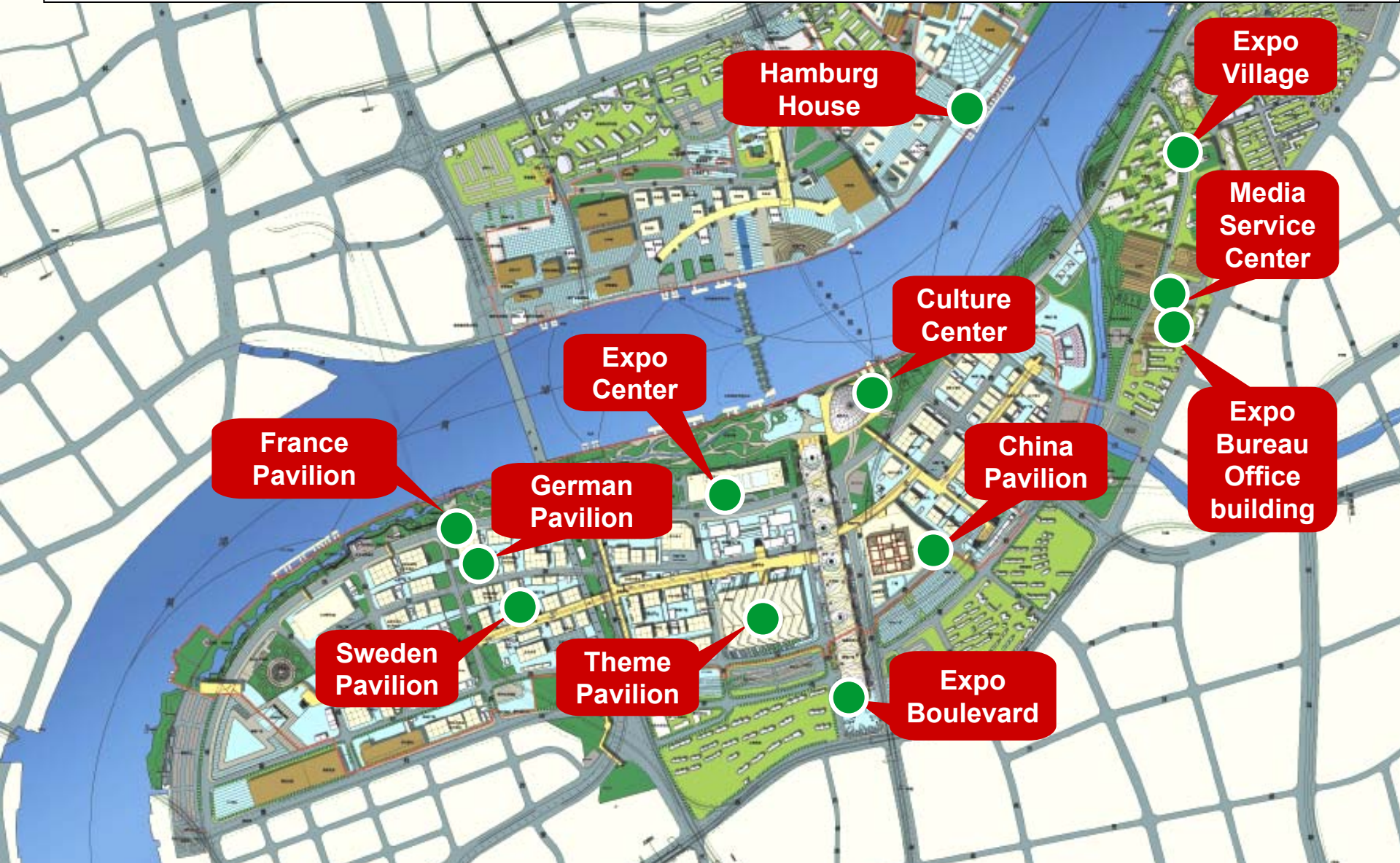
Siemens order volume related to Expo 2010 will total over **EUR 1 billion**
~90% from environmental technologies

The entire Expo Park is our pavilion!



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Example: China Pavilion – 'Green landmark' empowered by Siemens technologies



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- **Siemens lighting solutions** reduce energy consumption by **50%** compared with conventional solutions
- **Siemens building automation systems** reduce energy consumption by **25%** vs. conventional building technology
- **Siemens power distribution systems** ensure reliable, stable and secure power supply and **lower** operation and maintenance costs

Siemens is making the Expo theme reality!



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Efficient Power Generation

- Waigaoqiao is **the most efficient** coal-fired power plant in the world
- Meets **1/3** of Shanghai's total demand
- Reduces **~3 million tons** of CO₂ per annum



Energy-efficient Buildings

- Siemens Center Shanghai consumes **1/3 less** energy
- Office building renovation project helps Yangpu District save **32%** energy costs



Ecological City Model

- 'Green' partnership with cities: eco-city research with Tongji University
- Studies on applicable and low / zero-carbon emission city models foster urban sustainability



Thank you for your attention!



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Is it only grass that
makes a city green?

