#### SIEMENS

# Siemens offers cities a broad range of energy efficient and sustainable products and solutions



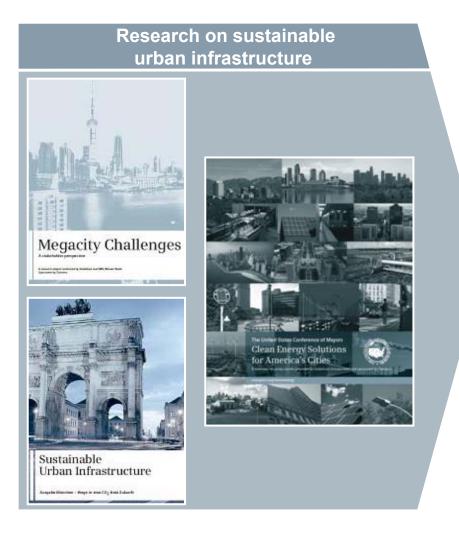
## The city of tomorrow – a picture of the future

#### 120° HOSPITAL Power Urban and interurban Grid talks to coming mobility connects buildings from people and places renewable sources IT connects the parts Intelligent Intermodal buildings Decentralized transportation with zero energy generasolutions emissions tion and storage for everybody 449.9

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# Siemens Research Series on "Sustainable Urban Infrastructure": Contributing to the debate

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#### Approach

- Research undertaken by independent partners, e.g.,
  - McKinsey & Company
  - The Economist Intelligence Unit
  - GlobeScan
  - in cooperation with Siemens

#### **Evaluation fields:**

- Cities' most pressing infrastructure needs and priorities
- Ways towards greater urban sustainability
- Technological levers for increased resource efficiency
- Economic implications

# The Green City Index research series evaluated 130 major cities worldwide

#### US / Canada European Green German Green Asian Green **City Index** Green City Index **City Index City Index** (30 cities | Dec 2009) (12 cities | June 2011) (22 cities | Feb 2011) (27 cities | June 2011) Copenhagen San Francisco Singapore Curitiba Latin American African Green Australia / NZ Green **Green City Index City Index City Index** (17 cities | Nov 2010) (15 cities | Dec 2011) (7 cities | late 2012)

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## The US and Canada Green City Index

- A unique Index that compares 27 major US and Canadian cities based on their environmental performance and policies
- Builds on Green City Index series, launched in Europe, Latin America and Asia
- Researched independently by the Economist Intelligence Unit
  A unique tool to help cities learn from each other and address shared environmental challenges

# **Key Learnings?**

## Getting real "comparable" data:

- What is a city? (Greater metropolitan area? Or city core?)
- Publicly available data is difficult to compare on an apples-to-apples basis.
- Relying on data alone is limited: Political will is often over-looked and under-valuated as a key factor for success/failure.
- Mother nature doesn't listen to data trends: In NY: Sustainability has been overtaken by Resiliency (PlaNYC, now focusing on Resiliency.)
- Processing data is different from interpreting and using the data and applying it into today's technology. Need strong collaboration between the data technology providers and the data analyzers.