URBAN AGE ELECTRIC CITY CONFERENCE DECEMBER 2012

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Siemens AG

The new urban infrastructure business

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Urban Age Electric City Conference The new urban infrastructure business

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Siemens Infrastructure & Cities Sector addresses a large market with strong growth





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The Siemens Infrastructure & Cities mission

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Transform cities for the better through sustainable technology



The Infrastructure & Cities Sector has an increased focus on city needs





Benchmark cities What were their success factors?



Buildings

Berlin

Transportation

London

- Massive investment in modernizing buildings
- Convert coal furnaces to central heating and gas
- Increase citizen's awareness about energy efficiency
- Climate Protection Partner of the Year Prize

- 10-year program to upgrade public transport (track, signaling, trains, stations)
- Goal: increase capacity and reduce travel time
- One of first cities to adopt congestion-charging
- Cycle hire scheme



Benefits

- Energy saving measures / investments: € 27 million
- Savings: € 6 million p.a.
- Contribution to Berlin's climate protection / CO2 reduction: 36.000 tons / year



Benefits

- 20% less traffic on London city streets
- Annual 150,000-ton reduction in CO2 emissions
- Substantial acceleration of traffic flow around city by 37%
- 17% reduction in commuter times

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The city of tomorrow – a picture of the future



Building a successful city An opportunity for first movers





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What makes cities successful

A holistic approach

- Strong mayors with overall strategy and long-term planning
- Eliminate silo thinking
- Civic engagement
- Benchmarking & learning from each other

Wealth is important – But at the early stages of development the right policies matter more

The right technology and technology partnerships – Long term planning and relations

Financing

- Cost-efficient solutions with reasonable payback times are available
- Increase income while reducing emissions

Sustainable city development creates jobs & increases competitiveness

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Thank you

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BACKUP

IC Sector will benefit from increasing market and technology link between distribution grid and buildings

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Smart Buildings in Smart Grids offer an attractive growth opportunity

