

Siemens releases sustainability study on Shenzhen International Low-carbon City

- **First pilot project in South China applying Siemens City Performance Tool (CyPT) for comprehensive sustainable urban development**
- **Provide efficient and practical levers for energy-saving and emission-reduction in energy, building, transportation and industry sectors**
- **Contribute to building Shenzhen International Low-carbon City as the model of China low-carbon development**

Siemens Cities Center of Competence Asia released the study of “Lead and Exceed: Shenzhen International Low-carbon City Towards Sustainability” on the Third Shenzhen Low-carbon City Forum. Aiming to provide concrete, practical and measurable technological levers and solutions for Shenzhen International Low-carbon City (SILC) to achieve its carbon emission goal by 2025, Siemens, in joint efforts with Development and Reform Commission of Shenzhen Municipality and Longgang District Development and Reform Bureau, conducted a 3-month comprehensive and in-depth study on SILC in areas of energy, building, transportation and industry. Specific measures in each areas with quantified results - including carbon emission, environment quality improvement, required investment and employment - are presented in the study report.

“The study on Shenzhen International Low-carbon City shows that sustainability can be achieved step by step with targeted, well-planned and measurable actions,” said Mr. Lothar Herrmann, CEO Siemens China. “China’s new-type urbanization, as a key driver for the ‘New Normal’, calls for innovation and international cooperation. Siemens is committed to partnering with cities across China in their endeavor towards sustainability and to build better cities for tomorrow by leveraging our industry knowhow and proven references around the world.”

“As Shenzhen’s pilot project and model for green development, Shenzhen International Low-carbon City has set sustainability-oriented goals for carbon emission reduction. I’m convinced that the study results by Siemens will definitely facilitate and speed up SILC’s drive for achieving harmony of economic, social and ecological development, as well as provide valuable references to similar projects in the future,” said Mr. Cai Yu, Deputy Director General of Development and Reform Commission of Shenzhen Municipality.

Based on a holistic review and examination of the carbon emission status quo and carbon reduction potential of SILC, Siemens adopts its City Performance Tool (CyPT) that dedicates to exploring the best roadmap for sustainable urban development, and provides some major findings such as:

- Energy: build efficient distributed energy network managed by micro grid;
- Building: fully leverage available intelligent building and wall insulation technologies;
- Transportation: accelerate development of public rail transit and e-car operation management;
- Industry: improve drive system’s energy efficiency and industrial upgrading through defining clear investment criteria.

To help address various challenges for urbanization in different regions across the globe in a more efficient way, Siemens set up the Global Cities Center of Competence in London in 2012, and the regional Cities Center of Competence for Asia and America markets respectively in Shanghai and New York. In March 2015, Siemens and the Municipal Government of Nanjing jointly released the “Zero-Carbon Growth Sustainability Report”, which marks the first Asian city to deploy Siemens CyPT tools for sustainable urban development.

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About Siemens in China:

Siemens AG, founded in 1847, is a global technology powerhouse active in more than 200 countries, focusing on the areas of electrification, automation and digitalization. One of the world’s largest producers of energy-efficient and resource-saving technologies, Siemens has leading positions in offshore wind turbine construction, combined cycle turbines for power generation, power transmission solutions, infrastructure solutions, automation, drive and software solutions, as well as medical imaging equipment and laboratory diagnostics. For more than 140 years since its entering into China in 1872, Siemens has pioneered cooperation with the country with its solutions, technologies and products, and has been known in the country for its quality and reliability, technological excellence and innovation. In Fiscal Year 2014 (October 1, 2013– September 30, 2014), Siemens generated revenue of €6.44 billion in China, with more than 32,000 employees. Siemens has become an integral part of the Chinese economy and society, and continues to partner with the country to address her pursuit of sustainable development.