

Siemens unveiled an air pollution analytic tool

- **A technology analytic tool for air pollution control, the City Performance Tool – Air (CyPT Air) responds the issues of heavy smog and public health**
- **Improve air quality without compromising GDP by applying the most efficient and reliable technology mix**
- **Support cities to identify the right technologies in achieving the clean air target**

Siemens unveiled its City Performance Tool - Air (CyPT Air) officially. CyPT Air is a dynamic simulation tool which studies a series of aspects from energy, transport and industry by assessing the quantified technology impact of improving air quality and its investment. The development of CyPT Air is aiming to provide bespoke technology roadmap for different cities in improving air quality, more importantly, without compromising its economic development.

In recent years, increasingly heavy smog and other air pollution issues have gradually influenced the quality of people's lives and public health even had a negative impact on the economic growth. Built upon Siemens' technology expertise and global database, CyPT Air is able to calculate the impact of more than 80 technologies from energy, transport and industry on environmental related KPIs, such as PM2.5, PM10, NOx etc., regarding to what extent the air quality can be improved. It also looks at other social economic related KPIs, such as CAPEX and OPEX in order to design and provide the most effective technology roadmap and policy making advices. The dynamic tool can illustrate city decision makers the overall impact of their collective decisions and identify the right technologies to improve air quality and sustainability without compromising economic growth.

So far, CyPT Air has been piloted with the city of Stuttgart and Nurnberg in Germany. As a strategic tool targeting at both long-term and short-term decisions on infrastructure choices, Siemens is now combining the CyPT Air capabilities with air pollution forecasting methods based on weather and traffic data to align the long-term perspective with the short-term and immediate measures to achieve air quality limits.

In 2012, Siemens established the Global Cities Center of Competence in London to specifically address the needs of urbanization and has regional centers in Shanghai and New York to cover the Asian and North American markets.

Contact for journalists

Foley Leung

Communications

Phone: +852 2583-3202 / +852 6827-1611 E-mail: foley.leung@siemens.com

About Siemens

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 165 years. The company is 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, resource-saving technologies, Siemens is No. 1 in offshore wind turbine construction, a leading supplier of gas and steam turbines for power generation, a major provider of power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. The company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. As of September 30, 2016, Siemens had around 351,000 employees in more than 200 countries. In fiscal 2016, they generated orders of €86.5 billion and revenues of €79.6 billion.

In 1911, Siemens opened its first sales office in Hong Kong. Since then, the company has committed to be a trusted technology partner and providing innovative solutions in Hong Kong & Macao. Siemens has provided integrated solutions for infrastructure development projects, including power substations for CLP Power in Hong Kong and CEM in Macao; signalling, main control and fixed communication systems for Shatin Central Link; traffic control and surveillance system for Liantang / Heung Yuen Wai Boundary Control Point and total building solutions for City of Dreams in Macao.

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西門子發布綠色城市發展評估工具 (CyPT Air)

- **CyPT Air** 是針對空氣污染控制的分析工具，以解決城市霧霾及市民健康問題
- **GDP 發展與空氣污染根治並行，實施高效並可行的技術組合**
- **為城市找出最合適的技術，達至清新空氣目標**

西門子正式發布綠色城市發展評估工具(CyPT Air)，CyPT Air 是一個動態城市模擬工具，透過分析能源、交通、工業等影響空氣質素的主要因素，以量化技術評估提升空氣質素及有關投資的綜合影響。CyPT Air 的研發為不同城市提供改善空氣質素的技術藍圖，更重要是避免有關技術與經濟發展逆行。

近年來，日趨嚴重的霧霾和其他空氣污染問題已經逐漸影響到市民日常生活及健康，甚至影響到宏觀經濟的長期穩定增長。建於西門子的科技及全球數據庫，CyPT Air 能計算出 80 多種受能源、交通、工業技術影響的環保指標如 PM2.5、PM10 和氮氧化物 NOx，並指出可改善空氣質素的範疇；另外此工具亦包含社會經濟相關的指標，如 CAPEX 及 OPEX，從而制定最有效的技術藍圖及政策建議，供城市決策者分析每個決策所引申的影響，並找出合適的技術，在不影響經濟發展下，改善城市空氣質素及提高可持續發展水平。

目前，CyPT Air 已在德國斯圖加特和紐倫堡進行了試點。作為城市綠色發展政策的戰略工具，西門子也正在合併 CyPT Air 功能及以天氣交通數據為本的空氣污染預測，提供即時及短期措施，以長期降低空氣污染程度。

為更有效地應對全球面對城市化的各種挑戰，西門子於 2012 年在倫敦成立了全球城市能力中心，並在上海及紐約分別設立了針對亞洲和北美市場的研究中心，為城市可持續發展出謀劃策。

傳媒聯絡：

傳訊部

梁嘉芸

電話:+852 2583-3202 / +852 6827-1611 電郵: foley.leung@siemens.com

有關西門子

西門子股份公司是領先全球的科技企業，創立於 1847 年，業務遍及全球 200 多個國家，專注於電氣化、自動化和數碼化領域。西門子一直以卓越的工程技術、創新、品質、可靠性及國際化著稱。作為世界最大的高效能源和資源運用的技術供應商之一，西門子在海上風機建設、複循環發電渦輪機、輸電解決方案、基礎設施解決方案、工業自動化、驅動和軟體解決方案，以及醫療影像設備和實驗室診斷等領域居領導地位。截至 2016 年 9 月 30 日，西門子足跡全球 200 多個國家，擁有約 351,000 名員工。2016 年財政年度，西門子的營業總額達到 865 億歐元，收入 796 億歐元。

1911 年，西門子於香港開設首個辦事處。多年來西門子致力成為香港及澳門值得信賴的業務伙伴，為兩地的基礎設施提供創新的解決方案，包括：中電及澳電變電站；沙中線信號、主控及固定通信系統；蓮塘/香園圍口岸交通及監測系統及新濠天地的樓宇解決方案。