

Hong Kong, June 15, 2020

## Siemens supports VTC in STEM education with \$2.5 million

- **Siemens partnered with VTC to reinforce STEM education and career development for seamless digital learning**
- **Leveraging MindSphere, Siemens cloud-based, open IoT operating system, as the backbone of advanced IoT education**

Siemens Limited (Siemens) partnered with the Vocational Training Council (VTC) and pledged \$2.5 million to nurture digital talents in Hong Kong through supporting STEM education and career development, offering VTC students a seamless learning on advanced IoT.

“As with all sectors of the Hong Kong economy pertaining to the government’s smart city vision, Siemens has stepped up efforts to get STEM education moving and provide young talents with advanced IoT knowledge that forge a smart future,” said Eric Chong, President and CEO of Siemens Ltd., illustrating how Siemens was collaborating with the VTC to nurture tomorrow’s digital experts. “The IoT, as a key driver of innovation, does not only reinforce STEM education and nurture talents who will shape the industry, but also helps us explore our own capacity to innovate and cope with the challenges posed by today’s megatrends,” Eric added.

In accordance with a MoU signed in late 2019, Siemens provided the VTC with its cloud-based, open IoT operating system MindSphere, to enable both parties to jointly develop IoT training programs, and empower students, academics and industry partners to innovate in the areas of buildings, energy, industry and mobility. Besides providing IoT-related training and learning materials, Siemens has also offered students on-the-job trainings and opportunities to visit its facilities and has invited its experts to share their real-life experiences in sessions dedicated to STEM careers.

**Siemens Limited**

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Another example of collaboration between Siemens and the VTC is the collection of environmental data following the installation of IoT sensors in IVE (Shatin) and IVE (Haking Wong) campuses. With Siemens MindSphere at the core, the VTC is free to customize its own dashboard to analyze sensor data and generate valuable insights for teaching purposes.

“Having support from Siemens, our new IoT Innovation and Technology Centre is equipped with latest software and hardware for innovation, applied research, training and education of IoT. Students could take advantages of the centre equipment to collaborate with relevant companies to experiment and implement innovative IoT solutions in the market. The MoU will surely bring the collaboration between the two organizations to a new level, especially in the area of nurturing young talents for smart city development.” said Dr. Eric Liu, Deputy Executive Director of Vocational Training Council.”

Further commenting on Siemens’ collaboration with the VTC, Eric said, “As a key player in the field of technology and innovation, Siemens plays a pivotal role in shaping the next generation of local digital talents. Given this, we will leverage our strong industry networks and experience to provide advanced IoT trainings that meet the needs of Hong Kong or even the Greater Bay Area. We strongly believe our collaboration with the VTC will consolidate the ecosystem we already have in place and pave the way to smart city.”

Beyond supporting the VTC on IoT education, Siemens has been keen to groom local digital talents in many ways, including the establishment of its Smart City Digital Hub, a living lab where professionals can co-create smart city solutions. In addition, 250 engineers, academia and CXOs have received training provided by its MindSphere Academy on how to manage digital transformation locally. To further accelerate this development, Siemens Smart City Developer Community has also gathered developers who share a common goal to transform Hong Kong into a smart city through education, networking, partnership and co-creation.

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E-mail: [samantha.cheng@siemens.com](mailto:samantha.cheng@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 170 years. The company is active around the globe, focusing on the areas of power generation and distribution, intelligent infrastructure for buildings and distributed energy systems, and automation and digitalization in the process and manufacturing industries. Through the separately managed company Siemens Mobility, a leading supplier of smart mobility solutions for rail and road transport, Siemens is shaping the world market for passenger and freight services. Due to its majority stakes in the publicly listed companies Siemens Healthineers AG and Siemens Gamesa Renewable Energy, Siemens is also a world-leading supplier of medical technology and digital healthcare services as well as environmentally friendly solutions for onshore and offshore wind power generation. In fiscal 2019, which ended on September 30, 2019, Siemens generated revenue of €86.8 billion and net income of €5.6 billion. At the end of September 2019, the company had around 385,000 employees worldwide.

In 1911, Siemens opened its first sales office in Hong Kong. Since then, the company has committed to being a trusted technology partner and providing innovative solutions in Hong Kong & Macao. Siemens has provided integrated solutions for infrastructure development projects, including gas turbine at Black Point Power Station and power substations for CLP Power in Hong Kong and CEM in Macao; cranes drives modernization for Hong Kong's Port; signaling, 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. In December 2017, Smart City Digital Hub was setup to unlock the potential of digitalization.

Further information is available online,

Siemens Limited : [www.siemens.com.hk](http://www.siemens.com.hk).

Smart City Digital Hub : [www.siemens.com/SmartCityDigitalHub](http://www.siemens.com/SmartCityDigitalHub)

香港，2020年6月15日

### 西門子資助職訓局 250 萬元以推行 STEM 教育

- 透過資助 STEM 教育及在職訓練，西門子與職業訓練局合作提供持續的數碼學習
- 以西門子開放式物聯網操作系統 MindSphere 為核心，推動領先物聯網教育

西門子有限公司（西門子）全力支持職業訓練局（職訓局）的 STEM 教育及相關職業培訓，為職訓局學生提供價值港幣 250 萬元的持續物聯網學習，雙方將攜手合作為香港培育數碼人才。

西門子有限公司主席及行政總裁鍾漢明先生表示：「香港各行各業正致力促進香港經濟，實現政府智慧城市願景。西門子亦同樣積極發展 STEM 教育，為明日的技術專才提供領先的物聯網知識，幫助他們開創智慧未來。我深信物聯網是科技創新的主要動力，不單能加強 STEM 教育及塑造業界專才，也協助我們發掘自己的創新潛力，以應對現時大趨勢所帶來的各種挑戰。」

西門子早於 2019 年年底與職訓局簽訂合作備忘錄，為職訓局提供開放式物聯網操作系統 MindSphere 的教育使用許可證，雙方可透過 MindSphere 一同開發物聯網課程，讓學生、學者和業界合作夥伴在建築、能源、工業和交通等領域研發創新科技。西門子除了提供物聯網相關的培訓及教材外，也為職訓局學生提供在職培訓和參觀西門子設施的機會，並邀請了旗下專家在 STEM 專業討論環節中分享實戰經驗。

西門子與職訓局的其中一項合作包括於香港專業教育學院 (IVE) 的沙田及黃克競校園內安裝路旁智能監測盒子，收集並處理所得的環境數據。以西門子 MindSphere 為核心，職訓局可以自由設計其儀表板，並分析有關偵測數據以活用於教學之中。

職業訓練局副執行幹事廖世樂博士表示：「有賴西門子的支持，我們的物聯網創新科技中心現已設有最新軟硬件，並會應用於物聯網創新、應用研究、培訓及教學等目的。

西門子有限公司

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學生可利用中心設備為相關公司研發出更多創新的物聯網方案。我深信透過此合作備忘錄，職訓局與西門子會重點培育青年專才及發展智慧城市，彼此合作將會更上一層樓。」

談及西門子與職訓局的合作，鍾漢明先生表示：「西門子作為創新科技的領導者，一直致力培育新世代物聯網專才，並利我們強大的業界網絡和經驗，為城市提供領先的物聯網技術培訓，藉此滿足香港以至大灣區對於創新科技的龐大需求。我們深信透過與職訓局合作，將可進一步鞏固現有創新科技生態系統，為明日的智慧城市開拓康莊大道。」

除了支持職訓局的物聯網技術培訓外，西門子亦積極透過不同渠道培育本地創新科技專才。其中包括成立智慧城市數碼中心，讓專業人士可在此開放式實驗室共同研發智慧城市方案；而 MindSphere 學院現時已為多達 250 名工程師、學界人士和 CXO 提供培訓，以應對本地的數碼化趨勢；西門子同時建立了智慧城市開發社群（**Siemens Smart City Developer Community**），期望透過提供教育、建立交流網絡、共創解決方案及建立合作夥伴關係，匯聚擁有共同目標的開發人員，合力推動香港轉型為智慧城市，進一步加快數碼化進程。

## 傳媒聯絡

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## 有關西門子

西門子股份公司是領先全球的科技企業，成立 170 餘年來，一直以卓越的工程技術、創新、品質、可靠性及國際化著稱。西門子的業務遍及全球，集中於發電及輸電、樓宇的智能基礎設施及供電系統，以及工業自動化及數碼化。透過分開管理的西門子交通有限公司，西門子提供先進的鐵路及交通智慧出行解決方案並重塑全球客運和貨運服務市場。西門子亦持有已上市的西門子醫療股份公司及 Siemens Gamesa Renewable Energy 的主要股份，提供領先全球的醫療科技及數碼醫療服務，以及陸上和海上風力發電等解決方案。於 2019 年財政年度（截至 2019 年 9 月 30 日），西門子的營業總額達到 868 億歐元，純利為 56 億歐元，全球擁有約 385,000 名員工。

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：中電及澳電變電站及龍鼓灘發電廠的燃氣輪機；香港貨櫃碼頭起重機現代化；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。西門子於 2017 年 12 月成立智慧城市數碼中心，以發掘數碼化潛力。

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西門子有限公司: [www.siemens.com.hk](http://www.siemens.com.hk)

智慧城市數碼中心: [www.siemens.com/SmartCityDigitalHub](http://www.siemens.com/SmartCityDigitalHub)