

## Siemens launches STEM program to get students digital-ready

- **Siemens equips students with the digital mindset to tackle urban challenges brought by megatrends**
- **Program comprises sharing from Siemens digital experts and a four-day experiential learning event, prompting students to create a greener and smarter campus**

Siemens Limited (Siemens) partnered with Yew Chung International School – Secondary (YCIS) to promote the advancement of STEM education among students in an initiative under the Business-School Partnership Program established by the Hong Kong General Chamber of Commerce.

Being at the forefront of digital transformation, Siemens once again took part in a school program to nurture digital talents of the next generation and build a smarter tomorrow. “It has been exciting for us to step up our initiatives in the field of STEM education and bring these disciplines to life in the classroom. This program prompted students to envision how they could leverage digitalization for a smarter and more resilient Hong Kong, especially at a time of profound and disruptive transformation. Along with the insights from our digital experts, it provided an invaluable opportunity for students to explore latest technologies and rethink the school of the future. I very much look forward to supporting these great minds that hold the potential to transform the everyday in the future.” said Erdal Elver, President and CEO of Siemens Limited.

Spanning from March to June, the program featured a series of events consisting of tech talks and experiential learning. The highlight goes to a four-day experiential

learning event during June 7-10 under the theme “The School of the Future”. Using their school as the outset of their digital journey, students were formed in groups and acted like startups to explore how smart innovation can navigate the challenges of learning under the new normal. Two scenarios were given to students focusing on digitalizing their classroom and making school facilities adaptable. Upon completion of their projects, feedback was also provided to enrich their experience on developing a viable solution with technologies.

Before kicking off the experiential learning event, two tech talks from Siemens experts were hosted for both students and parents. Through diving into some of the latest technological trends, the session offered participants a glimpse into the life of an engineer and illustrated how innovations are brought to life through value co-creation.

Apart from the mentioned collaboration, Siemens has long been dedicated to grooming local digital talents. In partnership with VTC, Siemens sponsored HKD 2.5 million to empower students through seamless STEM career development on advanced IoT. Moreover, the establishment of Smart City Digital Hub has been serving as an open lab for talents to develop their digital portfolio and co-create smart city solutions with startups, SMEs, business partners and academia.

“STEM has been incorporated in our Project-based Learning (PBL) approach in our Secondary and Primary schools. It is a great experience for our students to participate in this STEM program to learn from a global technology leader. The series of events, especially the four-day Experiential Learning Week not only enriched the students’ knowledge in the digital trend and the technological innovation in coping with various difficult situations, but also enhanced the students’ curiosity and enthusiasm in the latest technology. It perfectly matches with our school motto “to align with science and technology”. We look forward to more collaborations with Siemens in the near future.” said Mr. Andrew Finn, Western Co-Principal, Yew Chung International School – Secondary.

‘Through encouraging students to reimagine their learning experience, this program allows students to create their innovative ideas and inspire them to tap into the potential of data through technologies. Beginning with developing small innovations for their school, the digital mindset that we instilled not only enables our younger

generations to stay ahead in the digital race but also inspires them to think bigger and fosters ingenuity that goes beyond their campus and benefits our future society. As a trusted partner of Hong Kong, we are incredibly proud to create another rewarding journey in support of the Hong Kong Government's Smart People vision.' said Erdal Elver.



Two winning teams are entitled to the Innovation Award while an 'Innovator's Box' is distributed to each participant to enrich student's digital journey.



The experiential learning event culminates with a pitching session where YCIS students present their innovative ideas on "The School of the Future".

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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. Active around the world, the company focuses on intelligent infrastructure for buildings and distributed energy systems and on automation and digitalization in the process and manufacturing industries. Siemens brings together the digital and physical worlds to benefit customers and society. Through Mobility, a leading supplier of intelligent mobility solutions for rail and road transport, Siemens is helping to shape the world market for passenger and freight services. Via its majority stake in the publicly listed company Siemens Healthineers, Siemens is also a world-leading supplier of medical technology and digital health services. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power that has been listed on the stock exchange since September 28, 2020. In fiscal 2020, which ended on September 30, 2020, the Siemens Group generated revenue of €57.1 billion and net income of €4.2 billion. As of September 30, 2020, the company had around 293,000 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 power substations for CLP Power in Hong Kong and CEM in Macao; cranes drives modernization for Hong Kong's Port; and building solutions for Tai Kwun in Hong Kong and City of Dreams in Macao. Powered by Siemens Advanta, Smart City Digital Hub was also setup to unlock the potential of digitalization in 2017. Further information is available on the Internet at [www.siemens.com.hk](http://www.siemens.com.hk).

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## 西門子推行 STEM 計劃，引領學生迎接數碼未來

- 西門子啟發學生創意思維，以應對大趨勢所帶來的城市挑戰
- 計劃包括西門子數碼專家的分享環節，以及為期四天的體驗學習活動，引領學生建立一個更環保的智慧校園

西門子有限公司（西門子）透過參與香港總商會推行的商校合作計劃，耀中國際學校（中學）攜手合作推動 STEM 教育。

西門子多年來致力於數碼轉型，積極勇於創新。有見及此，西門子再次走進校園培育未來的數碼人才，為香港邁向智慧城市作好準備。西門子行政總裁艾偉先生表示：

「我們很高興透過是次計劃加快香港 STEM 教育的步伐，並將我們的專業知識帶入校園。這項計劃鼓勵學生運用數碼化的潛力，讓香港在這個瞬息萬變時期發展成一個更具適應力的智慧城市。除了透過我們數碼專家的分享外，此計劃亦為學生提供了寶貴的學習體驗，讓他們探索科技及重塑校園的智慧未來。我非常期待薈萃這些創新思維，為前途無可限量的年輕人提供支援，以創新我們的每一天。」

此計劃於三月至六月期間舉行，涵蓋了科技講座和體驗學習等活動。其中的重頭戲是以「明日校園」為題的四天體驗學習，於六月七日至十日期間舉行。學生分成小組，以他們的學校作為出發點，並代入初創企業的角色，探討如何利用創新科技幫助學校應對新常態下的挑戰。活動囊括兩大主題，分別為課室數碼化學習和提高校園設施的靈活性。完成項目後，西門子為每組學生提供專業意見，以豐富他們的學習體驗，並讓學生了解如何利用科技發展可行的智慧方案。

在正式展開體驗式學習活動前，西門子為學生和家長舉辦了兩場科技講座。透過講解最新的科技趨勢，講座不但讓參加者了解工程師的日常工作，亦展示如何透過價值共創讓創科融入生活。

除了上述合作外，西門子亦一直致力培育本地的數碼專才，早前為職訓局學生提供價值港幣 250 萬元的持續物聯網學習及職業發展。此外，西門子亦設立了智慧城市數碼中心，中心採取開放式實驗室的設計，除了協助專才開發他們的數碼方案，亦提供平台他們讓初創企業、中小企、商業夥伴和學術界共同建立智慧城市解決方案。

耀中國際學校（中學）外籍校長范安德表示：「STEM 已融入我們中小學的『專題學習模式(PBL)』中。對於我們的學生來說，能夠參加這次 STEM 活動，並向全球科技領導先驅學習，絕對是難能可貴的經歷。這一系列活動，尤其是為期四天的體驗學習，不僅增進了學生對數碼化趨勢的了解，亦提高他們以創科應對各種困難的能力，更重要的是增添了學生對創新科技的好奇心和熱誠，這與我們校訓『與科技結盟』完美契合。我們熱切期待在不久將來與西門子開展更多合作。」

西門子行政總裁艾偉先生表示：「這個計劃鼓勵學生利用創科提升自身的學習體驗，並以此發掘數據的龐大價值。我們先由校園引入細微的創新理念，透過體驗學習促進他們的數碼思維，目的不僅讓我們的年青一代在數碼競賽中持續領先，更可將他們的創造力及潛能擴展至校園以外，造福未來社會。作為香港值得信賴的合作夥伴，我們很榮幸能再次踏上這別具意義的旅程，為促進香港政府的智慧市民願景作出貢獻。」



是次體驗學習特設「創新科技大獎」予兩大勝出的隊伍，而每位參賽者亦會獲得「創科錦囊」，以豐富學生們的數碼歷程。



體驗學習的亮點為學生的提案環節，圖為耀中學生介紹他們以「明日校園」為題的創新方案。

### 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 多年來，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、樓宇的智能基建設施及供電系統，以及工業自動化及數碼化。西門子致力於促進虛擬世界和現實世界的融合，以造福客戶和社會。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主要股份，提供領先全球的醫療科技及數碼醫療服務。此外，西門子持有西門子能源(Siemens Energy) 的少數股份。西門子能源是全球輸電和發電領域的領導者並自 2020 年 9 月 28 日上市。於 2020 年財政年度（截至 2020 年 9 月 30 日），西門子的營業總額達到 571 億歐元，純利為 42 億歐元，全球擁有約 293,000 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，為兩地的基建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；大館及新濠天地的樓宇解決方案等。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。欲了解更多資訊請瀏覽：[siemens.com.hk](http://siemens.com.hk)。