

22 April 2026

CLP Power and CUHK Sign MoU to Advance Digital Practical Training and Nurture Future Power Talent

CLP Power Hong Kong Limited (CLP Power) and The Chinese University of Hong Kong (CUHK) signed a Memorandum of Understanding (MoU) yesterday (21 April) to establish a strategic partnership with the shared goal of nurturing engineering talent. By leveraging CLP Power's expertise in power engineering training and operational practice, and CUHK's strengths in academic excellence, innovation and technological research, the collaboration will advance digital training development and learning experiences for power talent through the application of innovative technologies, cultivating future professionals for the local power industry.

The MoU was signed by Mr Eric Cheung, Chief Operating Officer of CLP Power, and Professor Tsang Hon-ki, Dean of Engineering at CUHK. Under the MoU framework, the two parties will jointly develop innovative digital training materials and tools to further enhance training effectiveness for CLP Power's engineering trainees, while also enabling CUHK students to better understand and acquire the latest skills and knowledge in the power industry, furthering the development of power talent.

Mr Eric Cheung said, "CLP Power is pleased to join hands with CUHK in this partnership. By combining our respective professional strengths, we look forward to introducing greater application of technology and innovative learning models to further enhance training effectiveness. Our goal is to nurture a new generation of engineering talent with both practical skills and an innovative mindset, thereby strengthening operational safety, supply reliability and environmental performance to meet industry development and society's needs."

Professor Tsang Hon-ki added, "This MoU marks an important milestone in the collaboration between CUHK's Faculty of Engineering and CLP Power, as both parties work together to drive talent development and innovation in Hong Kong's power and energy sector. We look forward to demonstrating how academia and industry can join forces to nurture engineering talent, promote innovation and deliver meaningful impact for Hong Kong."

The power industry places a major emphasis on professional expertise and hands-on operational capability. Tasks such as low-voltage live-line operation and high-voltage switchgear operation involve stringent procedures and a high degree of precision. As such, engineering trainees typically require close, one-to-one supervision by instructors during practical training, which must often be conducted within a defined time frame.

CLP Power and CUHK will integrate innovative technologies into training programmes by jointly developing training systems and tools that incorporate immersive virtual reality (VR) and augmented reality (AR) technologies, to meet the growing demand for flexible, digital learning among new generations. Through technology-enhanced training, trainees can follow structured virtual guidance to master correct operating procedures and practise workflows as required. Instructors can provide more targeted guidance and support based on individual learning progress. This approach enhances interactivity and self-initiated learning, while enabling engineering trainees to gain a more comprehensive understanding of power equipment operation and related knowledge.

CLP Power will continue to improve and systematise its self-initiated learning model to enhance the overall learning experience and training effectiveness, in support of ongoing development of the power grid and evolving operational needs. CUHK will leverage its academic research expertise to provide scholarly advice on the development of digital training materials, supporting the continuous optimisation of engineering training for mutual benefit.

About CLP Power Hong Kong Limited

CLP Power Hong Kong Limited (CLP Power) is the Hong Kong utility subsidiary wholly owned by CLP Holdings Limited, a company listed on the Hong Kong Stock Exchange and one of the largest investor-owned power businesses in Asia. CLP Power operates a vertically integrated electricity supply business in Hong Kong and provides a highly reliable supply of electricity and excellent customer services to more than six million people in its supply area.

About The Chinese University of Hong Kong

Founded in 1963, The Chinese University of Hong Kong (CUHK) is a leading comprehensive research university with a global reputation and world-leading rankings. Located in the heart of Asia, CUHK has a vision and a mission to combine tradition with modernity, and to bring together China and the West. Under the University's unique collegiate system, the programmes and activities offered by its nine colleges complement the formal curricula by delivering whole-person education and

pastoral care. The University has eight faculties: Arts, Business Administration, Education, Engineering, Law, Medicine, Science, and Social Science. Together with the Graduate School, the University offers over 300 undergraduate and postgraduate programmes. All faculties are actively engaged in research in a wide range of disciplines, with an array of research institutes and research centres specialising in interdisciplinary research of the highest quality.

The University has been committed to promoting innovative technology and currently has more than 2,400 granted patents in different jurisdictions worldwide. Some of these patents have been licensed to relevant industries that help bring these innovations to the market to benefit society. In the 2024-25 academic year, CUHK has received 425 granted patents and filed 575 patent applications for inventions developed in the areas of medical technology, biotechnology, information technology, telecommunications, and materials science.

Photo captions:

Photo 1



Mr Eric Cheung (left), Chief Operating Officer of CLP Power, and Professor Tsang Hon-ki (right), Dean of Engineering at CUHK, sign the MoU to jointly advance the digitisation of power engineering training and talent development.

Photo 2



Mr Eric Cheung (front row, left), Chief Operating Officer of CLP Power, Professor Tsang Hon-ki (front row, right), Dean of Engineering at CUHK, and guests mark the establishment of the collaboration framework.

Photo 3



Mr Eric Cheung, Chief Operating Officer of CLP Power, says he looks forward to exploring further opportunities to apply innovative technologies in training through close exchange and collaboration between CLP Power and CUHK.

Photo 4



Professor Calvin Chan Chun-kit, Associate Dean (Education) of the Faculty of Engineering at CUHK delivers a speech, stating that the University would leverage its academic research expertise to provide scholarly advice on developing digital training materials and support the continuous optimisation of engineering training.

Photo 5



Mr Eric Cheung, Chief Operating Officer of CLP Power (right), visits a laboratory in the Department of Mechanical and Automation Engineering at CUHK to learn about its latest research projects.

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