

香港電燈有限公司  
The Hongkong Electric Co., Ltd.

香港堅尼地道四十四號港燈中心  
Hongkong Electric Centre, 44 Kennedy Road, Hong Kong  
電話 /Tel 2843 3111 傳真 /Fax 2810 0506  
電郵 /Email mail@hkelectric.com  
www.hkelectric.com



Press Release  
14 December 2023

## **HK Electric Signs Cooperation Agreement with State Grid NARI for Power Grid Enhancement and Decarbonisation Efforts**

HK Electric and a subsidiary of State Grid Corporation of China entered into an agreement today to explore cooperation opportunities in various areas, including the optimisation of HK Electric's power grid operation, preparation and planning for the company's green development to help Hong Kong achieve the target of carbon neutrality before 2050.

The agreement was signed by HK Electric's Managing Director, Mr. Francis C.Y. Cheng and Chairman of NARI Group Corporation, Mr. Shan Shewu at HK Electric's headquarters.

Mr. Cheng said, "HK Electric is very happy to cooperate with NARI as they have sophisticated technology and ample practical experience in the Mainland and other overseas countries. I believe that they could leverage their expertise to help HK Electric strengthen the power grid to enhance our power supply reliability further, meet the power demand from Hong Kong's development, and at the same time plan ahead for the future import of zero-carbon energy from the Mainland."

Mr. Shan stated that NARI, as a company directly under the State Grid Electric Power Research Institute, has always been committed to improving the industry's business standards by providing projects integrating internationally leading technologies and products. "We look forward to working closely with HK Electric to further enhance the safety, reliability and stability of their network. Both companies will also benefit through talent and technology exchanges," he said.

Also attending today's ceremony was the Secretary for Environment and Ecology, Mr. Tse Chin-wan. Mr. Tse said, "The Government has set out four decarbonisation strategies, namely net-zero electricity generation, energy saving and green buildings, green transport as well as waste reduction, to actively reduce carbon emissions from source. Transformation to green energy

is a key way to implement these strategies. I hope that through the cooperation between HK Electric and NARI, State Grid's advanced and innovative technologies could be applied in the real situation in Hong Kong as we keep pace with the times to facilitate energy transition.”

Under the framework agreement, NARI will use the most advanced remote terminal units and make reference to State Grid's current network design to provide solutions for HK Electric to improve the remote surveillance of its whole power system with a view to achieving full automation.

Meanwhile, in support of Hong Kong Government's plan to import more zero-carbon energy from the Mainland, HK Electric is planning ahead and studying how to import such zero-carbon electricity to its power grid safely while maintaining network stability.

NARI is very experienced in inter-provincial power transmission both at home and abroad. Their technology in "high-voltage direct current transmission system" is very mature in particular. Through further cooperation and exchanges, NARI will assist HK Electric to conduct a comprehensive review of its power grid and power generation system, and to improve and develop the most suitable products for HK Electric. In addition, NARI will provide tailor-made power-grid optimisation solutions to prepare HK Electric for delivering cleaner and more efficient zero-carbon energy in future.

Furthermore, a regular talent exchange programme will be launched to promote professional technical training. Senior engineers will be engaged as speakers for online interactions or on-site exchanges and sharing. The two companies will also work together to review industry-specific problems and cases, research and formulate solutions while joining hands to explore more opportunities.

Hong Kong is a densely-populated city and an international financial centre where the need for stable power supply and power quality is ever increasing. With a large number of skyscrapers on Hong Kong Island, the power supply infrastructure is complex and essentially vertical. NARI hopes that through this cooperation, they could understand further the design characteristics of this type of power grid, and share the challenges encountered in the operation and maintenance of these networks and equipment, thereby developing more sophisticated vertical power supply network and related projects to help enhance the standard of the power industry.

Photo Captions:



HK Electric's Managing Director, Mr. Francis C.Y. Cheng (left) and Chairman of NARI Group Corporation, Mr. Shan Shewu (right) sign an agreement to explore cooperation opportunities in various areas, including the optimisation of HK Electric's power grid operation, preparation and planning for the company's green development.





Secretary for Environment and Ecology, Mr. Tse Chin-wan (middle) hopes that through the cooperation between HK Electric and NARI, State Grid's advance and innovative technologies could be applied in the real situation in Hong Kong to facilitate energy transition.