

PCCW Global and Guodian High-Tech sign MoU

Building satellite-based narrowband IoT services for Hong Kong, Macao, and Belt and Road Regions



Frederick Chui, CEO, PCCW Global (right) and Dr. Lyu Qiang, Chairman and CEO of Guodian High-Tech (left) signed a memorandum of understanding at the Belt and Road Summit 2025.

HKT (SEHK: 6823) – HONG KONG, 15 September 2025 – PCCW Global, the international telecommunications service provider under HKT, recently signed a Memorandum of Understanding (MoU) with Beijing Guodian High-Tech Technology Co., Ltd. (GDHT), a satellite IoT company in mainland China, during the 10th Belt and Road Summit held in Hong Kong. The collaboration aims to jointly build satellite-based narrowband Internet of Things (NB-IoT) services for Hong Kong, Macao, and Belt and Road regions.

As a provider of satellite NB-IoT data communication services, GDHT will leverage its self-built and operated low-Earth-orbit (LEO) satellite network, the “TianQi IoT Satellite Constellation,” to deliver low-cost, low-power, long-range data transmission for IoT devices. PCCW Global will utilise its robust network infrastructure and global operational experience to collaborate with GDHT in developing base station infrastructure across Hong Kong, Macao, and Belt and Road regions, supporting key sectors such as transportation and low-altitude economy with satellite NB-IoT services.

PCCW Global will also leverage its Console Connect global roaming IoT SIM card to collaborate with GDHT in advancing IoT and related technology development, exploring a wide range of application scenarios to meet the needs of the global market.

Frederick Chui, CEO of PCCW Global, said: “Many large-scale infrastructure projects across Belt and Road regions, such as energy pipelines and transportation networks, require reliable connectivity. However, due to complex geographical conditions and underdeveloped infrastructure, terrestrial network coverage remains limited. Our collaboration with GDHT brings advanced satellite IoT technology to these regions, helping to address connectivity gaps and enhance operational efficiency and risk management for enterprises.”

Dr. Lyu Qiang, Chairman and CEO of GDHT said: “Satellite IoT is set to become a vital part of global digital infrastructure. GDHT’s TianQi IoT Satellite Constellation is designed with flexibility in mind, taking into account the diverse communication environments and technical standards across different regions, offering efficient and scalable IoT solutions to meet global needs. Through our collaboration with PCCW Global, we aim to accelerate innovation in satellite IoT applications and drive rapid growth of the global IoT industry.”

The TianQi IoT Satellite Constellation is mainland China’s first LEO IoT satellite constellation. Phase one of its global deployment has been completed, with 37 satellites have already been launched. The constellation is set to expand further, ultimately providing real-time continuous global coverage. Its services will support industries such as energy, forestry, agriculture, tourism, water resources, petroleum, electricity, marine and environmental protection, enabling applications like remote monitoring, asset management and smart agriculture. The service also supports consumer electronics including vehicles, walkie-talkies and wearable devices, meeting personal connectivity needs in areas without terrestrial network coverage.

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About PCCW Global

PCCW Global is a leading international communications service provider, offering the latest mobility, voice and data solutions to multinational enterprises, telecommunications partners, cloud and application service providers. With a network footprint reaching over 3,000 cities in 160+ countries across five continents, our truly global coverage combined with local on-the-ground knowledge has helped us build best-in-class global connections linking Africa, the Americas, Asia Pacific, Europe and the Middle East. Our network supports a portfolio of integrated communications services including connectivity, applications, and tailored solutions integrated and orchestrated by the Console Connect on-demand digital Software Defined

Interconnection® platform, one of the first global platforms to fully automate switching and routing of all communications for seamless interconnection.

To learn more about PCCW Global, please visit www.pccwglobal.com.

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