

HKT revolutionises healthcare with Hong Kong's first 5G private network for Kwong Wah Hospital

HKT (SEHK: 6823) – HONG KONG, 18 December 2023 – HKT has introduced the Hong Kong's first 5G Private Network for **Kwong Wah Hospital**. Through 5G remote communications, this innovation allows secure application of a mobile platform that supports different operations and services for authorised clinical and non-clinical professionals while on the move, significantly improving operational efficiency and enhances overall patient experience. This pioneering 5G initiative is a significant breakthrough in the digitalisation of the public healthcare system, which opens up new avenues for cross-hospital technology applications powered by 5G.

Acknowledging Kwong Wah Hospital's crucial role and commitment to delivering superb quality healthcare and emergency services, HKT has developed a dedicated 5G Private Network designed specifically to meet the hospital's operational needs, with an emphasis on time and data security. This cutting-edge network presents four significant benefits for the applications operating on it: secured performance, exceptional reliability, unparalleled security, and extensive accessibility, not just within the hospital's premises, but also under the full coverage of HKT's 5G network in Hong Kong.

The 5G Private Network also empowers real-time collaboration and secure data transfer within operating theatres. By harnessing the ultra-high speed and ultra-low latency of the 5G network, the concept of 5G Operating Theatre has become a reality. This revolutionary innovation enables real-time 5G Remote Surgery Consultations, seamlessly connecting panel doctors and specialists from different locations and hospitals. The doctors and specialists can now engage in high-definition live streaming of 4K videos, as if they were physically present in the same operating theatre. The integration of this advanced technology significantly enhances surgical procedures, facilitates expert consultations and fosters optimal surgical outcomes.



HKT has also introduced the innovative KWH@Work mobile app for Kwong Wah Hospital, designed to enhance connectivity and optimise the workflow of clinical and non-clinical professionals. Utilising the 5G data channel of the Private Network, this innovative solution connects to the Hospital Authority's network and enables smooth remote collaborations among users both inside and outside the hospital premises. In addition, the app digitises patient discharge processes involving frontline clinical staff, the hospital laboratory, the pharmacy, and administrative teams. By replacing multiple phone calls with remote collaborations on the app, this advancement significantly boosts operational efficiency, streamlines the entire workflow, and ensures a more efficient and coordinated approach to patient care.

Steve Ng, Managing Director, Commercial Group, HKT, said, "The implementation of 5G Private Network has significantly transformed the way hospitals operate. The benefits of 5G Private Network extend beyond enabling remote communication and collaboration among multidisciplinary medical staff. This cutting-edge network design establishes a robust

foundation for secure communications in data-rich environments and allows real-time collaboration. It paves the way for the adoption of various technological applications such as AI Assisted Medical Image Analysis, 5G Nurse Station, RTLS Medical Asset Tracking and HoloMedicine. The success of this solution has earned us the “Best HealthTech – Gold Award” at the esteemed 2023 CAHK STAR Awards.”

“As a leading ICT solutions provider in Hong Kong, we remain committed to supporting the healthcare industry and other sectors through digital transformation, leveraging our expertise in solution design and system integration.” added Ng.

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Photo	Caption
	<p>Mr Steve Ng, Managing Director, Commercial Group of HKT (second from left), Dr Henry Wong, Head of Wireless Strategic Development, Commercial Group of HKT (First from left), and the project teams receive the “Best HealthTech – Gold Award” at the 2023 CAHK STAR Awards Presentation Ceremony.</p>
	<p>HKT and Kwong Wah Hospital receive the “Best HealthTech – Gold Award” category at the 2023 CAHK STAR Awards in recognition of their commitment to digital transformation for the healthcare industry.</p>

About HKT

HKT is a technology, media, and telecommunication leader with more than 150 years of history in Hong Kong. As the city's true 5G provider, HKT connects businesses and people locally and globally. Our end-to-end enterprise solutions make us a market-leading digital transformation partner of choice for businesses, whereas our comprehensive connectivity and smart living offerings enrich people's lives and cater for their diverse needs for work, entertainment, education, well-being, and even a sustainable low-carbon lifestyle. Together with our digital ventures which support digital economy development and help connect Hong Kong to the world as an international financial centre, HKT endeavours to contribute to smart city development and help our community tech forward.

For more information, please visit www.hkt.com.

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