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IT&E to bring quantum cryptography to the Marianas

IT&E is excited to announce that through its partnership with SK Telecom, IT&E's network will soon be equipped with quantum key distribution technology to strengthen the security of 5G and LTE data transmission and reception.

IT&E will be utilizing technology by ID Quantique, the global leader in quantum cryptography communication. SK Telecom invested in ID Quantique in February 2018.

Quantum key distribution prevents hacking and digital eavesdropping. The technology generates a random secret key that encrypts and decrypts messages between two parties to prevent any outside party from accessing the data.

IT&E has invested \$200,000 in quantum cryptography technology.

“Quantum cryptography will drive new levels of innovation and security around the world. We’re excited to work with SK Telecom and ID Quantique to bring this technology to the Marianas. IT&E’s data network will be the securest network in the Guam and the CNMI,”

— Jim Oehlerking, CEO of IT&E

There is a global movement to implement and standardize quantum cryptography to boost the security of telecommunications, as well as in the fields of finance, health care and others. SK Telecom and ID Quantique are playing a pivotal role in the global standardization of quantum key distribution and quantum random number generation technologies.

In September 2018, IT&E announced its strategic partnership with SK Telecom. The alliance allows IT&E to draw from SK Telecom's wealth of knowledge gained from its 5G network deployments. The partnership provides successful use-cases from SK Telecom that IT&E can deploy to fit the unique needs and demands of our island, as well as ensure network survivability.



IT&E announced that through its partnership with SK Telecom, IT&E's network will soon be equipped with quantum key distribution technology to strengthen the security of 5G and LTE data transmission and reception. (From left) Jose Ricardo "Ricky" Delgado, President and CEO of Citadel Holdings; Min Yong Ha, VP, Global Business Development 1 Cell, Global Alliance Group; Jim Oehlerking, CEO of IT&E; Jay Shedd, Senior Director – Sales, Marketing and Customer Service at IT&E; and Sungwon "Peter" Pyun, Manager at SK Telecom.

About IT&E

For more than 30 years, IT&E has been delivering connections that matter. IT&E serves more than 80,000 subscribers on the widest 4G LTE Data Network in Guam and the Marianas.

About SK Telecom

SK Telecom is the largest mobile operator in Korea with nearly 50 percent of the market share. As the pioneer of all generations of mobile networks, the company has launched the fifth generation (5G) network on December 1, 2018. The company is not only leading innovations in the field of mobile network, but is also creating unprecedented value in areas such as media, security and commerce. In the Fourth Industrial Revolution, SK Telecom will inspire the world, building a future beyond expectations.

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