



## Press Release

Geneva, April 13<sup>th</sup> 2021

### **ID Quantique and SK Telecom unveil the Samsung Galaxy Quantum2, the newest QRNG-Powered 5G smartphone with even more embedded secured applications**

**ID Quantique (IDQ), the world leader in quantum-safe security solutions, and SK Telecom (NYSE:SKM), Korea's Telecom giant, today announced the release of the 'Galaxy Quantum2', the second smartphone equipped with quantum technology, designed to protect customers' information.**

With features matching those of Samsung's flagship smartphones - i.e. a 6.7-inch display, 64MP camera, Qualcomm Snapdragon 855 plus chipset, etc. - along with strengthened quantum cryptography technology, the Galaxy Quantum2 will be a new choice for customers who value both performance and security.

Like its predecessor the Galaxy A Quantum, the Galaxy Quantum2 is equipped with the [world's smallest quantum random number generator \(QRNG\) chipset](#) measuring 2.5mm by 2.5mm developed by ID Quantique, SKT's strategic partner in quantum cryptography communication technology. This QRNG chipset enables trusted authentication and encryption of information and allows smartphone holders to use applications and services in a safer and more secure manner by generating unpredictable and patternless true random numbers.

The Galaxy Quantum2 provides a differentiated security experience to customers. The native integration of the QRNG chip into the Android Keystore (APIs) automatically enhances the security of a large number of services used on the smartphone.

For instance, SKT's services like T-World, PASS and T-Membership, as well as many other services such as KakaoTalk and Shinhan Card will be secured through the use of QRNG enhanced cryptography offering a much higher level of trust to the users.

Going forward, SKT plans to further expand QRNG-enabled services to include those provided by financial companies like Samsung Card and SKT's music streaming service FLO and video ringback tone service V Coloring.

ID Quantique and SK Telecom have been working together since 2016 developing quantum technologies for the telecom and IoT markets. Last year, they launched the World's 1st Quantum-powered 5G smartphone, the first mass market application of quantum technologies.



*“With the Galaxy Quantum2, we have successfully expanded the application of quantum security technologies to a wider variety of services including financial and security services”* said Han Myung-jin, Vice President and Head of Marketing Group of SK Telecom. *“Our efforts will continue to keep expanding services that are safely and securely provided via the Galaxy Quantum2.”*

*“Security is a top concern for users; at the same time mobile operators are looking to generate new revenue streams”* says Grégoire Ribordy, CEO and co-founder of ID Quantique. *“The Galaxy Quantum2 includes more quantum-secured applications than ever before, bringing applications and services to a new level of security in the mobile phone industry.”*

### About SK Telecom

SK Telecom (NYSE:SKM) is Korea’s leading ICT company, driving innovations in the areas of mobile communications, media, security, commerce and mobility. Armed with cutting-edge ICT including AI and 5G, the company is ushering in a new level of convergence to deliver unprecedented value to customers. As the global 5G pioneer, SKT is committed to realizing the full potential of 5G through ground-breaking services that can improve people’s lives, transform businesses, and lead to a better society.

SKT boasts unrivaled leadership in the Korean mobile market with over 30 million subscribers, which account for nearly 50 percent of the market. The company now has 49 ICT subsidiaries and annual revenues of around KRW 18.6 trillion.

For more information, please contact [skt\\_press@sk.com](mailto:skt_press@sk.com) or visit our [LinkedIn page](#).

### About ID Quantique

Founded in 2001 as a spin-off of the Group of Applied Physics of the University of Geneva, ID Quantique is the world leader in quantum-safe crypto solutions, designed to protect data for the future. The company provides quantum-safe network encryption, secure quantum key generation and Quantum Key Distribution solutions and services to the financial industry, enterprises and government organizations globally. IDQ’s quantum random number generator has been validated according to global standards and independent agencies, and is the reference in highly regulated and mission critical industries- such as security, encryption, critical infrastructure and IoT- where trust is paramount.

Additionally, IDQ is a leading provider of optical instrumentation products, most notably photon counters and related electronics. The company’s innovative photonic solutions are used in both commercial and research applications.

IDQ’s products are used by government, enterprise and academic customers in more than 60 countries and on every continent. IDQ is proud of its independence and neutrality, and believes in establishing long-term and trusted relationships with its customers and partners.

For more information, please visit [www.idquantique.com](http://www.idquantique.com).

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