

Press Release
For Immediate Release

Cyberport, Ericsson, SmarTone and Unisoft Join Hands to Develop New 5G Applications Form Hong Kong's First 5G Edge Computing Deployment Scenario Used at Cyberport and Unleash the Power of 5G Technology

Hong Kong, 3 August 2021 – Hong Kong Cyberport, Unisoft - Cyberport Incubation Programme Alumni, SmarTone, and Ericsson announced a partnership to build Hong Kong's first Multi-access Edge Computing (MEC) deployment scenario at the Cyberport campus and capture the benefit of 5G communication technology. Developed by Unisoft and supported by a 5G MEC system architecture designed by SmarTone, this deployment scenario combines SmarTone's 5G network with the Ericsson Enterprise Edge Link, becoming the first project in Hong Kong to adopt it in a commercial capacity and the first batch of projects in Asia. The first use case will be the Pet Monitoring System at Arcade@Cyberport, estimated to be operational in October this year.

5G Edge Computing to Improve Response Time and Data Security

In addition to higher transmission speeds, 5G technology comes with a number of breakthrough technological capabilities such as edge computing and network slicing, qualifying 5G network for more applications that require instant responses, as well as high stability and accuracy. Edge computing allows data to be processed at nearby stations or dedicated computing platforms, negating the need for transmitting data to distant servers. This not only reduces data processing time, but also enhances data security through bypassing data processing through public cloud servers.

This represents the first instance of a local startup applying an in-house developed technology to enhancing 5G's commercial value. With lower latency and a more secure network design, 5G can be broadly applied in commercial and industrial communications, and even unmanned driving. MEC's advantage lies in its ability to enable application ownership within enterprises, while Unisoft's technology significantly reduces cost to highlight the advantages of 5G.

Unisoft will be providing a Pet Monitoring System, supported by 5G MEC edge computing, to the pet friendly at Arcade@Cyberport. This MEC device features a nEdge setup developed by Unisoft, integrated with the latest enterprise 5G Ericsson Enterprise Edge Link. Through high-definition cameras connected with the SmarTone 5G network, multiple real-time video stream will be transmitted via the SmarTone-developed 5G MEC architecture, through mobile edge gateways within the mall, to Unisoft's in-house nEdge multi-cloud design for artificial intelligence (AI) analysis. This helps staff of facility office stay apprised of real-time information, such as the pet count within the mall and whether pets have entered any unauthorised areas, giving pets and their owners a better user experience while enabling staff to respond more quickly to emergencies and improve operational efficiency. The research and development process of this project was supported by the Department of Computer Science and Engineering of the Chinese University of Hong Kong, and the project

was funded by the “Subsidy Scheme for Encouraging Early Deployment of 5G” of the Office of the Communications Authority.

Cyberport Campus Provides Application Scenarios for 5G Solutions

Howard Cheng, Chief Operating Officer of Cyberport, said, “5G communication is a disruptive technology that provides unprecedented dimensions of development for innovative technologies, expanding the realm of technological applications using wireless networks. We are delighted to work with Cyberport Incubation Programme Alumni – Unisoft, SmarTone and Ericsson to drive 5G edge computing applications, bringing 5G MEC and the Pet Monitoring System to the Cyberport campus. We will also continue to utilise the existing campus facilities and seize the opportunity of Cyberport expansion project to provide startups with testing and application opportunities while uplifting the digital technology experience of campus users.”

Aldous Ng, Founder of Unisoft, said, “We are delighted to be supported by Cyberport, SmarTone and Ericsson, and to have them provide an application scenario as well as comprehensive technological assistance for our 5G solution. The company will continue in our development of 5G-enabled AI Internet of Thing (IoT) applications in areas such as smart campus management, smart factory and esports, with the hopes of bringing 5G’s benefits to a wider audience. We also look forward to using our nEdge edge computing technology to cooperate with other Cyberport startups interest in developing 5G applications. The company is also endorsed by the Chinese Academy of Sciences, and will be bringing nEdge to technology parks in the Great Bay Area.”

Cutting-edge 5G Applications to Highlight the Technology Leadership of Hong Kong

Stephen Chau, Chief Technology Officer of SmarTone, a member of the Cyberport Technology Network, said, “SmarTone is the leading 5G mobile operator in Hong Kong, dedicated to building a world-class 5G network. With the rapid development of 5G, mobile operators need to make full use 5G characteristics - ultra-high speed, low latency and mass connectivity, and integrate them with other advanced technologies to create more innovative solutions that will help enterprises solve their pain points and improve operational efficiency. This collaboration with Cyberport and its Incubation Programme Alumni – Unisoft is a great example of this, and we look forward to working to more startups across different industries to co-create a 5G ecosystem.”

Åsa Tamsons, Senior Vice President and Head of Business Area Technologies & New Businesses at Ericsson, said, “This is one of the first Ericsson Enterprise Edge Link collaborations in Asia to support commercial use, and this installation provides technology enterprises the capacity to adopt 5G edge computing more easily and at a lower cost. Combined with Unisoft’s smart solution and SmarTone’s network coverage, we believe that this innovative solution can spotlight Hong Kong’s leading position in innovative technologies.”

The 5G-enabled Pet Monitoring System will be installed and tested at Arcade@Cyberport over the next two months, and is estimated to be operational in October this year.

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(From left) Howard Cheng, Chief Operating Officer of Cyberport, Peter Fung, President of Ericsson Hong Kong & Macau, Stephen Chau, Chief Technology Officer of SmarTone, and Aldous Ng, Founder of Unisoft, at the launch of Unisoft's 5G edge computing solution at the Cyberport campus.



Arcade@Cyberport, a pet friendly mall, will be equipped with a Pet Monitoring System supported by 5G edge computing. Through SmarTone's 5G network, site managers will be provided with real-time information about pets in the store, giving a better user experience to pets and their owners.



This is one of the first Ericsson Enterprise Edge Link collaborations in Asia to support commercial use, and this installation provides technology enterprises the capacity to adopt 5G edge computing at a lower cost and conducive to the technology popularisation.

For media interviews with project participants, or any enquiries, please contact:

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About Cyberport

Cyberport is an innovative digital community with over 1,650 start-ups and technology companies. It is managed by Hong Kong Cyberport Management Company Limited, which is wholly owned by the Hong Kong SAR Government. With a vision to be the hub for digital technology thereby creating a new economic driver for Hong Kong, Cyberport is committed to nurturing a vibrant tech ecosystem by cultivating talent; promoting entrepreneurship among youth; supporting start-ups on their growth journey; fostering industry development by promoting collaboration with local and international partners; and integrating new and traditional economies by accelerating digital adoption in the public and private sectors.

For more information, please visit [the www.cyberport.hk](http://www.cyberport.hk)

About Ericsson

Ericsson enables communications service providers to capture the full value of connectivity. The company's portfolio spans Networks, Digital Services, Managed Services, and Emerging Business. It is designed to help our customers go digital, increase efficiency and find new revenue streams. Ericsson's innovation investments have delivered the benefits of mobility and mobile broadband to billions of people around the world. www.ericsson.com



SmarTone 5G



About SmarTone

SmarTone Telecommunications Holdings Limited (0315.HK), listed in Hong Kong since 1996 and a subsidiary of Sun Hung Kai Properties Limited, is a leading telecommunications provider with operating subsidiaries in Hong Kong and Macau, offering voice, multimedia and mobile broadband services, as well as fixed fibre broadband services for both consumer and corporate markets. SmarTone spearheaded 5G development in Hong Kong since May 2020, with the launch of its territory-wide 5G services.

SmarTone is your smart partner that delivers a trusted and connected experience through our high quality network, people-driven products and services combined with innovation, passion and understanding of customer needs.

SmarTone differentiates our content, excellent customer service, business and consumer products for all our Hong Kong customers, allowing them to live and feel smarter everyday. This strong presence is also backed by expert technical know-how, over 30 stores across Hong Kong, our 5 core brands and our innovative business strategies arm.

About Unisoft

Unisoft Technology was founded in 2016 by a team of distinguished scholars and serial entrepreneurs. Unisoft is named by Gartner “the notable player in the emerging Intelligent Infrastructure market: for the leading 5G infrastructure technology adapting the deeptech of Network Coding invented in The Chinese University of Hong Kong 20 years ago. With a vision to become the driver of 5G-enabled AIoT platform, Unisoft is committed to deploying its nEdge solution to a wider audience. The solution has been adopted in areas such as smart campus management, smart city and esports. Unisoft is also keen on collaborating with startups and partners from the 5G ecosystem to foster synergy and shared values in the Greater Bay Area (GBA).