

Cybersecurity Fuels Digital Transformation

網絡安全促進數碼轉型

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Introduction of Cyberport

Cyberport is the hub for digital technology entrepreneurs in Hong Kong. We strive to enhance Hong Kong's position as the International Innovation and Technology Hub by fostering key clusters such as e-sports/digital entertainment, FinTech, smart city/smart living, AI/big data and blockchain. With the strong support from the HKSAR Government, Cyberport is also positioning itself as an e-sports hub in Hong Kong to inspire the younger generation and encourage entrepreneurship by promoting related technologies such as virtual reality (VR), augmented reality (AR), mixed reality (MR), blockchain, artificial intelligence (AI), and big data.

As the digital technology flagship in Hong Kong, Cyberport is committed to cultivating talent and start-ups, promoting industry development, and driving the integration of new and traditional economies. Ever since its establishment over a decade ago, Cyberport has established a comprehensive ecosystem comprising a portfolio of companies that offer a full range of technology solutions to cater for various needs of enterprises along their journey of business transformation.

Cybersecurity: A Business Priority

In this digital era and amid the dynamic market environment, Hong Kong must innovate to stay relevant and competitive. With the creative use of digital technologies, businesses can benefit from digital transformation that empower them to open new markets and opportunities. Among various topics, cybersecurity has become the one that concerns companies of different scales, especially since the EU's General Data Protection Regulation (GDPR) has come into force earlier this year.

Peter Yan, CEO of Cyberport, emphasised that cybersecurity is a vital component of any technological development – from protecting customers during financial transactions, to ensuring

數碼港簡介

數碼港是匯聚數碼科技公司和創業家的社群，為鞏固香港成為國際創新科技中心，數碼港集中發展五個數碼科技的範疇，包括電子競技/數碼娛樂、金融科技、智慧城市/智慧生活、人工智能/大數據、以及區塊鏈。在香港特別行政區政府的大力支持下，數碼港亦致力發展為香港的電子競技樞紐，努力推廣相關科技發展，例如虛擬實境（VR）、擴增實境（AR）、混合實境（MR）、區塊鏈、人工智能（AI）和大數據等，以啓發年輕一代和鼓勵創業。

作為香港的數碼科技旗艦，數碼港一直竭力培育人才和創業家、推動產業發展和新經濟/傳統經濟融合。數碼港成立至今已經建立了全面的生態系統，培育了從事不同科技範疇的公司，提供一系列科技解決方案以支援企業在業務轉型時的各項需要。

網絡安全：企業發展 重中之重

在這數碼時代，市場競爭激烈，為了與時並進，保持競爭力，香港必須致力創新。透過創新科技，企業能夠加快數碼轉型，助他們開拓新業務和發展機會。在眾多議題中，網絡安全問題已成為不同規模公司首要關注的事項，尤其是自今年年初歐盟推出《通用數據保護條例》生效之後，業界對網絡安全的關注有增無減。

數碼港行政總裁任景信先生表示，科技日新月異，不論是於金融交易過程中保障客戶利益，又或是推動香港發展為智慧城市，網絡安全扮演著重要角色。任先生的見解與國際數據資訊（IDC）的預測不謀而合，IDC預測到2021年，一半的網上交易均會使用生物識別認證，因其認受性較高、技術基礎設施覆蓋較廣，營運成本亦較低。到2020年，全球超過四分之一的

the security of Hong Kong as a smart city. His insight resonates with IDC's prediction, which estimated that by 2021, 50% of online transactions will use biometric authentication enabled by broad user acceptance, ubiquitous technology infrastructure, and low implementation cost. By 2020, more than 25% of enterprises worldwide will secure their IT architectures through cloud, hosted, or SaaS security services.

Yan also noted that cybersecurity systems nowadays are robust, and "cyber-vulnerability" decreases drastically if users adopt current security measures. He believed that it is a significantly growing trend for SMEs to make use of cloud-based platform to leverage service providers' infrastructure to enhance cybersecurity. He quoted that, according to the Worldwide Semiannual Security Spending Guide from International Data Corporation (IDC), worldwide spending on security-related hardware, software, and services was forecast to reach US\$91.4 billion in 2018 and to total US\$120.7 billion in 2021. This is a strong signal showing the soaring demand of enterprises in sourcing for cybersecurity solutions. In this connection, Cyberport is fully geared to serve enterprises in Hong Kong and beyond on their way to digital transformation.

Cyberport: Cradle for Digital Technology Companies

As Yan introduced, Cyberport, which is now home to over 1,000 digital technology companies, nurtures a number of start-ups through a series of incubation and funding programmes. For example, the Cyberport Incubation Programme offers a wide range of support and financial subsidy of up to HKD500,000 to participating companies. During the two-year incubation period, incubatees will receive extensive training and value-added supporting services, including marketing, business consultation, investors matching, access to Cyberport facilities, networking opportunities and more.

Among these incubatees also include start-ups specialising in cybersecurity. For instance, Post-Quantum (www.post-quantum.com), a company that develops defence-grade cybersecurity tools, helps businesses secure data as they are stored, transmitted, accessed, processed, and handled. Their solutions offer businesses the kind of data protection and control required by privacy laws such as Hong Kong's Personal Data (Privacy) Ordinance and the GDPR. These solutions have also been adopted by NATO, the UK Government, and Barclays Bank.

Another example is APrivacy (www.aprivacy.com), who enables financial services companies to use securely different messaging apps to communicate with their customers and provide them with new and innovative banking services. With APrivacy's solutions, these messaging apps can offer the most engaging interface for customers, drive revenues and result in higher customer satisfaction. Their solution was also awarded the HK ICT FinTech Silver Award in 2018.

企業會採用雲端、託管或軟件即服務等安全服務，以保護其資訊科技架構。

任先生認為，現今的網絡安全系統已日趨成熟，只要應用得法，便可大大減少「網絡漏洞」的問題。他相信，越來越多中小型企業運用雲端平台，借助服務供應商的基礎設施進一步加固網絡安全。國際數據資訊（IDC）發布的《全球半年度安全支出指南》報告中顯示，2018年全球使用於安全措施的軟件、硬件及服務的開支將高達914億美元，2021年總額更將增長至1,207億美元。這明確顯示了企業尋求網絡安全解決方案的需求激增。為此，數碼港除了支援企業數碼轉型，還時刻準備就緒為他們提供網絡安全服務。



數碼港：數碼科技公司搖籃

據任先生介紹，數碼港已成為了超過1,000間數碼科技公司的發展基地。多年來數碼港透過一系列培育和資助計劃，為眾多科技初創企業提供支援，例如「數碼港培育計劃」為初創企業提供最高50萬港元的財務資助和全方位支援。在受培育的2年期間，培育公司更可獲多項支援及增值服務，包括市場推廣、業務諮詢、投資者配對、使用數碼港設施及參與業界交流活動，拓展網絡。

於眾多數碼港培育公司中，也有不少初創企業專注於網絡安全。以Post-Quantum (www.post-quantum.com) 為例，公司研發了國防級別的網絡安全工具，協助企業在儲存、傳輸、讀取、處理和管理數據時保障數據安全。Post-Quantum所提供的解決方案符合數據保護和私隱條例規範，如香港的《個人資料（私隱）條例》和歐盟的《通用數據保護條例》。這些解決方案亦為北大西洋公約組織、英國政府和巴克萊銀行所採用。

另一科技初創公司，APrivacy (www.aprivacy.com)，為金融服務企業提供與客戶溝通的安全聊天通訊應用程式，提供創新的銀行服務。APrivacy的應用程式為顧客提供互動的使用界

Yan added that, for companies to have a peace of mind in transforming their business digitally, they shall continue to update their client database and maintain housekeeping security practices, while taking into account the need to have obsolete data disconnected from the cloud in order to reduce the amount of data that is potentially susceptible to hackers.

In this regard, Cyberport will continue to help both SMEs and established corporations boost their cybersecurity readiness cost-effectively and to comply with evolving data privacy regulations so that enterprises can focus on business development, capturing the opportunities brought by the new economy. ■■

面，大大提高顧客的滿意度，有助金融企業促進營業額，此數碼科技方案更榮獲「2018年香港資訊及通訊科技獎」銀獎。

任先生補充，企業若希望安心地將業務數碼化，他們應持續更新客戶數據庫和定期更新維護安全措施。為了不讓黑客有機可乘盜取數據，企業亦應將過時或失效的數據從雲端移走。

為了讓企業聚焦發展業務，把握更多發展機會，數碼港將繼續致力協助中小企及大型企業，以最具成本效益的方式緊守最新的數據私隱條例，優化其網絡安全措施。 ■■