

## HGC ENTERS THE “INTERNET OF THINGS” ERA 和記環球電訊成功邁向物聯網新世代

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HGC bizCloud 2.0 service enables corporations to gain flexible access to computing, storage and network resources.  
和記環球電訊的升級版bizCloud 2.0服務讓企業靈活選用運算、儲存及網絡資源。

The Internet of Things (IoT) concept has become a global trend by which all manner of things can be connected via the internet. Network solutions provider Cisco predicts the value of the global IoT market will reach US\$14.4 trillion<sup>1</sup> in 2022 – suggesting endless business opportunities ahead.

Hong Kong has long been regarded as an international financial centre and is now embracing the IoT concept and accelerating towards smart city status. Local telecoms players are well aware of the trend and have migrated from pure network service provision to become champions of information and communications technology (ICT). This is why they are now so well positioned to capitalise on business opportunities presented by today's smart city and IoT trends.

物聯網（Internet of Things，簡稱 IoT）近年蓬勃發展，是全球市場的大勢所趨，差不多每樣事物都能與網路連繫與整合。據網絡解決方案供應商思科預測，環球物聯網的市場價值於2022年將達到14.4萬億美元<sup>1</sup>，可見物聯網衍生了無盡的市場商機。

作為國際金融中心，香港目前正配合物聯網的發展，加快邁向智能城市的步伐。為了掌握智能城市和物聯網大趨勢所觸發的商機，本港的電訊營辦商紛紛由提供網絡服務，轉型至提供資訊及通訊科技服務，以迎合物聯網的多元應用，務求於迅速發展的物聯網市場佔一席位。

HGC presides over advanced infrastructure, world-class data centres, massive bandwidth capacity and extensive network coverage – and the fiercely-competitive nature of Hong Kong’s telecoms market has prompted the company to adopt a sharp focus on IT-as-a-Service. In fact, HGC’s service spectrum has expanded from network-based offerings to cloud computing, one-stop security solutions and service bundles comprising telecoms and other ICT dimensions.

Running the IoT requires huge online database support, which will doubtless rely on cloud computing as a source of data storage and access capacity. HGC is building a “telco cloud” based on Infrastructure-as-a-Service (IaaS) and Software-as-a-Service (SaaS) in order to develop a pool of horizontal cloud services from which to serve a mix of industries. A development in this regard has been for HGC to transform Software-as-a-Service into Solution-as-a-Service. This provides customer organisations with a more comprehensive offering that includes software packages, plus supporting facilities and managed services for security and network transmission.



HGC Retail Cloud comprises Cloud Surveillance, Cloud Audience Analytics and Cloud Signage services.

「HGC Retail Cloud」零售業雲端方案，包括雲端視像監察、雲端顧客分析及雲端數碼廣告。

Meanwhile, HGC Retail Cloud enables retailers to improve flexibility and competitiveness, while the enterprise-grade HGC Cloud Backup service empowers organisations to back up and store files, along with operating systems and applications – greatly reducing the risk of data loss. Information is stored in secure and flexible fashion at world-class data centres run by HGC GlobalCentre Limited, enabling corporations to protect their digital assets.

Market trends also prompted HGC to upgrade its bizCloud service to bizCloud 2.0, which is a telco-grade capability able to offer stringent security levels. It enables enterprises to deploy computing, storage and network resources in a flexible way, while increasing cloud adoption throughout enterprises.

In the interests of cyber-security, HGC has launched the Anti-DDoS Solution to fend off DDoS attacks. A Security Operations Centre provides real-time 24/7 supervision to monitor and analyse network traffic, while additional innovative cloud features help enterprises protect their networks to even greater effect.

Additionally, the cloud-ready WiseNET CloudConnect leased-line service was developed by HGC and Macroview Telecom

面對競爭激烈的市場，和記環球電訊憑著先進穩健的基建、世界級的數據中心、龐大的頻寬，以及覆蓋全面的網絡作為後盾，近年更專注發展「資訊科技即服務」(IT-as-a-Service)。其服務層面亦由網絡服務，拓展至雲端及一站式網絡安全方案，為企業客戶提供涵蓋電訊和其他資訊及通訊科技的服務組合。

物聯網的操作需要龐大的資料庫作支援，雲端技術正好讓資料於網上儲存及存取。因此，和記環球電訊在發展雲端服務方面不遺餘力，一直就「基礎設施即服務」(Infrastructure-as-a-Service)和「軟件即服務」(Software-as-a-Service)兩大範疇發展「電訊雲」，開拓適用於不同業務的橫向雲端服務，並致力將「軟件即服務」(Software-as-a-Service)提升至「方案即服務」(Solution-as-a-Service)的層次，即在提供各式軟件的同時，為客戶提供保安及網絡傳輸的支援設備及管理服務，服務更全面。

除了提供零售業的專屬雲端方案HGC Retail Cloud，助零售商有效提升靈活性及競爭力外，和記環球電訊亦備有HGC Cloud Backup企業級雲端備份服務，減少企業數據損失的風險，安全及靈活地將檔案、操作系統以至應用程式，備份並儲存於世界級的和記環球電訊數據中心，讓企業客戶更有效保護數碼資產。

因應市場趨勢，和記環球電訊進一步加強於早前推出的bizCloud雲端服務，推出高度保安、達電訊級別的升級版bizCloud 2.0服務，讓企業靈活選用運算、儲存及網絡資源，希望進一步提升雲端方案於企業的滲透率。



HGC is devoted to developing various cloud solutions to cater to different customer needs. 和記環球電訊致力拓展雲端服務，以滿足不同客戶的需要。

此外，和記環球電訊亦關注網絡防護，透過推出全方位分散式拒絕服務攻擊(Anti-DDoS)防禦方案，減低受DDoS攻擊的風險。有關解決方案由7 X 24全天候網絡安全運作中心實時監測及分析網絡流量，並加入嶄新的雲端元素，更有效保障企業客戶的網絡。

而和記環球電訊與高威電訊共同開發的WiseNET CloudConnect雲端專線服務，則預先將和記環球電訊城域以太網WiseNET與Office 365及Azure雲端平台連接，讓

Limited to provide pre-installed HGC Metro Ethernet-based connectivity. This grants customers ultra-fast access to Microsoft Office 365 and the Azure cloud platform. IaaS and the diverse Office 365 portfolio of services are now available to customers, without any need for them to invest in equipment, or rent data centre facilities.

In recent years, HGC has co-operated with a variety of OTT content providers in order to offer innovative services via its sophisticated network infrastructure. For example, collaboration with LeEco led to launch of Hong Kong's first bundling of 4K home broadband service and entertainment content. Furthermore, viewers can watch programming that includes English Premier League soccer via LeSports app, and gain access to the myTV SUPER online entertainment platform via 3Home Broadband's smooth and stable network. Collaboration between HGC and Microsoft to launch one-stop unified communications solutions based on Office 365 has improved efficiency at work.

HGC will continue to launch cloud-related solutions to meet a diversity of market needs, enabling customer organisations and their employees to reap the many benefits of new-age technologies.

<sup>1</sup> Source of information: [www.cisco.com/c/dam/en\\_us/about/ac79/docs/innov/loE\\_Economy.pdf](http://www.cisco.com/c/dam/en_us/about/ac79/docs/innov/loE_Economy.pdf)

客戶透過 WiseNET CloudConnect雲端專線，快速連接至 Office 365及Azure雲端平台，盡享Office 365多元化的辦公室服務及「基礎設施即服務」，而毋須花費龐大資金購置設備及租用數據中心放置相關設備。

此外，和記環球電訊近年積極與不同範疇的過頂內容供應商合作，將其網絡優勢與豐富的過頂內容結合，提供嶄新及多樣化的服務，包括與樂視合作推出全港首個 4K 家居寬頻娛樂組合。此外，觀眾可透過3家居寬頻穩定流暢的網絡，連接樂視體育應用程式，收看英格蘭超級足球聯賽，以及在myTV SUPER網上娛樂平台收看精彩節目；而與Microsoft合作推出的Office 365 一站式統一通訊方案，亦大大提升工作效率。

和記環球電訊將繼續配合市場各方面的需要，推出與雲端相關的解決方案，讓機構客戶及其員工盡享新時代科技所帶來的裨益。

<sup>1</sup>資料來源：[www.cisco.com/c/dam/en\\_us/about/ac79/docs/innov/loE\\_Economy.pdf](http://www.cisco.com/c/dam/en_us/about/ac79/docs/innov/loE_Economy.pdf)