加強電動車充電設施
Enhancing Electric Vehicle Charging Facilities

今年，我們與環境保護署和土木工程拓展署合作，首次在大嶼山梅窩的政府戶外公共停車場安裝中速充電器，預計於本年年中完成安裝，屆時可為九輛電動車同時充電。相比傳統的標準充電器，中速充電器可大幅減少充電時間近六成。據最新公布的2019至20年度財政預算案所載，政府將撥款1.2億元，擴大政府停車場提供的電動車公共充電網絡，預計到2022年會增逾1 000個公共充電器，令總數增至1 700個。

此外，為加強電動車充電配套設施的功能及效用，機電署會在總部大樓推行先導計劃，率先為充電設施加裝多項智能系統及配件，預計於今年完成安裝。這些系統及配件包括：智能計量系統，用以量度不同停車場的充電設施使用量，從而有效分配資源；佔用傳感器系統，讓車主可上網或利用應用程式預先知道停車場充電設施的佔用率；電子顯示板，用以顯示停車場內可供使用的尚餘充電器數量；電源用量管理系統，供調節繁忙時段的充電速度。這些系統將為未來的電動車充電器安裝計劃提供數據分析，以加強停車場整體充電系統的遠程監控管理。

This year, we co-operate with the Environmental Protection Department and the Civil Engineering and Development Department to install medium chargers for the first time at the outdoor public car park in Mui Wo, Lantau Island, which is targeted to be completed by the middle of this year. Upon completion of the installation, nine electric vehicles (EVs) can be charged there at the same time. Comparing to the conventional standard chargers, the medium chargers can significantly reduce the charging time by nearly 60%. As mentioned in the most recently announced 2019-20 Budget, the Government will allocate $120 million to extend the public EV charging networks at government car parks. Over 1 000 additional public chargers are expected to be in place by 2022, bringing the total number of chargers to 1 700.

Moreover, in order to strengthen the functions and effectiveness of the ancillary facilities for charging EVs, a pilot project will be implemented at the EMSD Headquarters to install additional smart systems and accessories on the charging facilities, which is scheduled for completion within this year. These systems and accessories include: the smart metering system which measures the usage of charging facilities at various car parks for better allocation of resources; the occupancy sensor system which enables drivers to have access to the occupancy rate of charging facilities at car parks online or via mobile applications in advance; the electronic display board which shows the number of remaining chargers available for use in a car park; the power consumption management system which regulates the charging speed during peak hours. All these systems provide data analysis for our future EV charger installation plan, thus enhancing the remote monitoring management of the overall EV charging system at car parks.

客戶如對電動車輛充電設施感興趣，歡迎致電3757 6134與我們的高級工程師鄧偉豪先生聯絡。

If clients are interested to know more about the EV charging facilities, please call our Senior Engineer, Mr. Ronald Tang, at 3757 6134.

安裝在機電署總部的中速充電器。
Medium chargers installed at the EMSD Headquarters.