

強化無油磁浮式製冷機支援服務

Reinforce Support for Oil-free Chillers

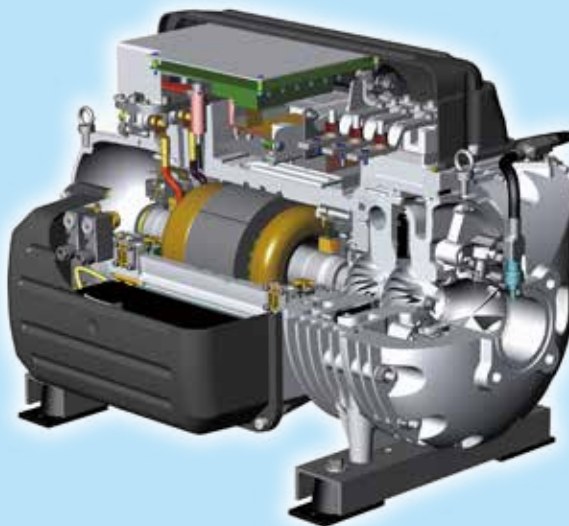
無油磁浮式製冷機採用最新的無油磁浮軸承壓縮機技術，能大幅節省能源耗量，是空調技術的發展趨勢，惟對合資格維修人員和技術支援的需求亦甚為殷切。

機電工程署全力支持新節能技術的應用以協助客戶邁向更環保作業。今年7月，我們派出兩個團隊到訪無油磁浮軸承壓縮機製造商 Danfoss Turbocor Compressor (DTC) Inc. 位於中國海鹽的地區服務中心，除參與維修技術培訓外，我們亦成功與製造商達成協議，在機電署總部推出培訓員訓練先導計劃，並成立遙距監測計劃試點，加強製造商的技術支援。這是繼去年9月我們到訪製造商位於美國的基地學習重點技術後，再進一步為長遠技術支援和培訓合作鋪路的另一個新里程。

醫院管理局將於今年冬季開始安裝第一批共27台全新的無油磁浮式製冷機，我們有需要加強在保養維修技術方面的技術支援及訓練。

機電署是本港首個客戶與DTC Inc.合作推出培訓員訓練先導計劃。我們會安排有潛質的同事參加計劃，當他們成為先驅導師後，將會有效加強我們長遠的技術人員培訓，以滿足無油磁浮式製冷機的維修保養服務需求。

遙距監測計劃會透過網絡，將無油磁浮式製冷機的實時運行數據傳送到製造商位於中國海鹽的地區服務中心。如檢測到有不正常的情況發生，製造商便可以第一時間進行分析並發出預警，讓我們可以在事故發生前進行檢修，減少對客戶運作的影響。



無油磁浮式製冷機採用最新的無油磁浮軸承壓縮機(左圖)技術，能大幅節省能源耗量。

Oil-free Chillers, using the latest technologies in oil-free magnetic levitation bearing type compressors (left), can save significant energy consumption.

Oil-free Chillers (OFCs), using the latest technologies in oil-free magnetic levitation bearing type compressors, can save significant energy consumption. This trend of air-conditioning is generating high demand for competent servicing personnel and technical support.

EMSD supports the application of new energy saving technologies to facilitate our clients for more environmental friendly operation. In July, two EMSD teams visited the Regional Service Centre (RSC) of Danfoss Turbocor Compressor (DTC) Inc., manufacturer of oil-free compressors, in Haiyan China. Apart from service training, our teams have successfully concluded with the manufacturer to kick-off a pilot Train-the-Trainer programme at EMSD Headquarters, and a pilot remote monitoring scheme to enhance the technical support by the manufacturer. This trip is a new milestone in paving the long term technical support and training cooperation after our visit to DTC Inc. in the United States for learning

the key technologies in September last year.

The Hospital Authority will be installing the first batch of 27 new OFCs in winter this year. It is essential for us to reinforce our servicing skills and training.

EMSD is the first user client to cooperate with DTC Inc. to launch the pilot Train-the-Trainer programme in Hong Kong. We will train up potential colleagues to become pioneer mentor and they will effectively enhance our long term training to meet the servicing demand of OFC in near future.

The remote monitoring scheme will connect the real-time operating data of OFC to the manufacturer's RSC in Haiyan via network. If there is any abnormality detected, the manufacturer can carry out diagnosis earlier and alert us, so that we can fix the problem before equipment breakdown as well as to minimise service interruption to our client.