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## Breakthrough orders for Cavotec's DX-Boost aircraft cooling technology

**Global engineering group Cavotec has been awarded breakthrough orders for its innovative Sub-freezing DX-Boost pre-conditioned air (PCA) technology for cooling aircraft at the Presidential Flight Hangar at Abu Dhabi International Airport, and at the Oman Air MRO facility at Muscat International Airport.**

The first order is a turnkey contract to supply specialised aircraft service systems for the Presidential Flight Hangar project at Abu Dhabi International Airport. Under this order the Group will design, supply, install, test and commission the Sub-freezing DX-Boost PCA system, 400Hz Converters, Pop-Up Pit and Hatch Pit systems.

The second landmark order is for the supply of Sub-freezing DX-Boost PCA units and Pop-Up Pit systems for PCA and 400Hz, and includes an additional number of Hatch Pit systems for other services, all to be installed at the MRO Facility of Oman Air in Muscat International Airport.

“These landmark projects are excellent references for our Sub-freezing DX-Boost cooling technology, and further demonstrates our ability to offer all the necessary technical expertise to deliver complex turnkey solutions to major industry players,” says Ottonel Popesco, Cavotec CEO.

Cavotec INET's Sub-freezing DX-Boost systems cool aircraft quickly and efficiently by supplying PCA at sub-freezing temperatures. The technology meets the strict criteria and demanding environmental conditions of Muscat Airport and Abu Dhabi Airport, where temperatures frequently exceed 45 degrees Celsius. DX-boost PCA units enable the fast and efficient cooling of aircraft without the use of on board auxiliary power units, thereby reducing

emissions.

“We have been working with Cavotec since many years, mainly for aviation fuelling and airport fuel farm projects. We are delighted to work with Cavotec once again for a prestigious Aircraft (A380) Hangar project and to use their expertise in delivering state-of- art technology to meet our customer’s stringent quality and service requirements. As Amana Group increasingly focuses on aviation and MRO projects, the long-term partnership with Cavotec is the ideal solution to ensure future success,” says Richard Antoine Abboud, General Manager of Amana Contracting & Steel Building Company.

Cavotec has recently commissioned their Sub-freezing PCA System at the Boeing MRO Facility Nagpur in India, where the Group executed a turnkey project including the design, supply, installation, testing and commissioning of a Sub-freezing PCA system, 400Hz Power system and Pop-Up Pits systems for PCA and 400Hz. This project is an industry benchmark with Cavotec’s Sub-freezing DX-Boost PCA System delivering pre-conditioned dry air at temperatures lower than -10°C at the Boeing MRO Hangar.

Cavotec has worked closely with aircraft manufacturers such as Airbus for many years on developing advanced GSE, including subfreezing PCA systems capable of cooling large aircraft such as the Airbus A380 superjumbo quickly, cleanly and efficiently.

The long-standing relationship with Larsen & Toubro has added another highlight, with Cavotec recently having been awarded the contract to supply 108 Electrical and 400Hz Pit systems for the prestigious upcoming Midfield Terminal Project at Abu Dhabi International Airport.

These recent projects at Muscat Airport and Abu Dhabi Airport build on a sequence of orders awarded to the Group over the past few months.

These include an order from Airbus in the US, where Cavotec will supply a complete 400Hz electrical power supply system, including converters, distribution boards and pit systems, for the aircraft manufacturer’s new production facility in Mobile, Alabama. The equipment will be used on the final assembly line hangar for final phase building of the A320 short- to medium-range passenger aircraft. Additionally in the US, Cavotec will supply a number of 400Hz electric power supply units for Chicago O’Hare Airport’s Terminal 5 development.

Cavotec has also been awarded an order with Chinese aircraft manufacturer, Shanxi, for number of pit systems and related materiel for a final assembly line. Also in China, the Group has also been awarded a major project with Hainan Airlines to supply 16 utility pit systems for the airline's maintenance hangar at Haikou Airport on Hainan Island.

Finally, for the first phase of a new development at Moscow Domodedovo Airport, Cavotec is supplying 19 hydrant pits along with related vault access covers and high/low-point pit systems.

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