

A superior product and important references secured the ventilation order for Dubai Metro

Danfoss Drives will deliver a total of 176 drives rated from 90 to 325 kW for the new metro in Dubai, United Arab Emirates, to operate exhaust fans and tunnel ventilation.

The order was won against stiff resistance from Turkish and French consultants, both of which preferred one of our global competitors. Two main features of Danfoss drives proved decisive: The Fire Override feature in VLT® HVAC Drive and the ability to operate in 50° ambient temperature without derating.

The Dubai Metro

With an economy increasingly based upon financial services, air transport, property development and tourism, Dubai also has a rapidly growing population and severe traffic congestion problems. Population is forecast to increase by 6.4% annually to reach some 3 million by 2017, with tourist numbers projected to reach 15 million by 2010.

International project

From studies started in 1997, Dubai Municipality identified the need for a rail system to relieve growing motor traffic and support continuing urban development. Systra was awarded



the preliminary engineering contract, and a consortium of four companies headed by Japan's Mitsubishi Heavy Industries (MHI) is leading the project to build the first two lines of a high-tech driverless rapid transit system. Other consortium members include the Japanese Obayashi and Kajima corporations, and Yapi Merkezi of Turkey.

1.2 million passengers daily

The new Metro will be fully integrated

within the network operated by the Roads & Transport Authority (RTA), a body created in 2005. Routes will be organised around the backbone provided by the rail system. In full operation, Dubai Metro is projected to carry approximately 1.2 million passengers on an average day, and 355 million passengers per year.

Danfoss has already supplied and commissioned 4 off 132kW drives to Jebel Ali station.