

## **Westinghouse Platform Screen Doors News**

**09<sup>th</sup> September 2009**

### **Biggest WPSD Contract Ever is Completed on Time**

#### **Dubai Metro opens as Planned on 09/09/09**

Towards the very end of 2005 Westinghouse Platform Screen Doors (WPSD), were awarded the biggest contract in the Division's entire history. This contract was for the design, manufacture and installation of a platform screen door system for all of the ninety plus platforms of the new Dubai Metro.

Almost four years later this huge project is now successfully completed with installation ready for the grand opening of the Middle East's first ever metro system on 9 September 2009 (09/09/09).

The multi-million Euro contract for the supply of the platform screen doors system, initially for the first two lines, Red and Green, was awarded to WPSD by system builders, Mitsubishi Heavy Industries (MHI).

MHI are part of the major Dubai Rapid Link Consortium, which is responsible for the construction of the metro system and is creating the infrastructure. The other members of the Japanese led consortium are, Mitsubishi Corporation, Kajima Corporation and Obayashi with Turkish company, Yapi Merkjezi, being responsible for the tunnelling operation.

#### **State-of-the-Art Metro**

The Dubai Metro is state-of-the-art and features driverless trains stopping at platforms equipped with automatic, full-height platform screen doors.

The doors provide a barrier between track, train and passenger and as well as increasing safety greatly enhance the platform environment making them quieter and cleaner. The platforms will also be fully air-conditioned, this feature being made possible by the use of the platform screen doors.

The eighty seven, new five-car trains, built by Japanese manufacturer, Kinki Sharyo for the new system are equipped with Knorr-Bremse EP2002 Distributed Brake Control and designed to carry over six hundred and forty passengers, all trains will also be fully air conditioned.

The Dubai Metro will be the longest fully automated rail system in the World operating with some 75 kilometres of track.

The combination of a rapidly growing Dubai population, expected to reach some three million by 2017, and the current severe traffic congestion necessitated the building of an urban rail system. The Dubai Metro will

provide additional public transportation capacity, relieve the motor traffic congestion and provide infrastructure for additional economic development.

WPSD, the specialist platform screen systems division of the Knorr-Bremse Rail Group, will supply over 1,100 platform doorway sets, equipping the fifty seven stations.

The WPSD door system design will compliment the stunning light-filled treatment of the platform architecture designs. There is a mixture of both underground and at-grade or elevated platforms on the new system. These have been designed with four themes in mind; earth, water, fire and air. Earth stations will have a tan-brown colour effect; water stations will have a blue-white colour effect; fire gets and orange treatment; and air will have a green effect.

Working with station architects and designers WPSD have created a system which perfectly compliments these treatments.