

# Lighting the Dubai Metro



The world's longest fully-automated rail network, Dubai Metro is a USD4.2bn project completed in 2010 under Dubai's RTA Rail Agency and comprises the Red and Green lines, with three further lines planned.

Bo Steiber Lighting Design was involved in the lighting design of the 47 one-of-a-kind metro stations of the Red and Green lines, which included at-grade, elevated, underground and underground transfer stations. In addition to these variations, there were four themes used in the design of the stations: earth, wind, fire, and air.

What would otherwise be a rather standard metro rail project was elevated to a far more exciting level through the extensive use of exotic materials, finishes and colors applied in each individual station. The lighting design and installation therefore had to adapt to the grandiose design and render the spaces in the most befitting manner.

Reconciling the elaborate exterior and interior design themes of the stations with the stringent technical requirements in rail station lighting proved to be the main challenge in the design of the project. Lighting design solutions atypical to rail station lighting were thoughtfully applied in order to enhance the distinct architectural and interior design features without having to sacrifice the safety and functional needs of the stations.

Energy efficiency was another key consideration for the installation and reflected in the choice of luminaires and lighting management systems used for the metro stations. While LED lighting was still at the early stage of development during the construction of Dubai Metro, LEDs were effectively used for decorative and dynamic features in most stations.

**BO STEIBER**  
LIGHTING DESIGN



Bo Steiber Lighting Design is an international lighting design consultancy based in Singapore and Bangkok. Established in 1997, the company has vast project experience in the Middle East, Indian Ocean, South East Asia, China and Australia.

Notable projects include: Singapore MRT Downtown Line stations, Singapore International Changi Airport Terminal 1 Upgrading, Hong Kong International Airport Midfield Concourse Terminal, Hong Kong International Airport SkyPier Terminal, Hong Kong MTR Hung Hom station and another international airport in India.

24 PECK SEAH STREET, NEHSONS BUILDING  
#08-02/10, SINGAPORE 079314  
TELEPHONE: +65 6224 6913  
EMAIL: admin@bsld.com.sg www.bsld.com.sg

