

RAILS – SBS TRANSIT & SMRT – SINGAPORE

Singapore's **MRT** (Mass Rapid Transit) infrastructure is built, operated, and managed in accordance with a hybridised quasi-nationalised regulatory framework called the New Rail Financing Framework (NRFF), in which the lines are constructed and the assets owned by the **LTA - Land Transport Authority**, a statutory board of the Government of Singapore.

The **Land Transport Authority** allocates operating concessions to two for-profit private corporations, namely **SMRT (Singapore Mass Rapid Transit)** and **SBS Transit (Singapore Bus Services Transit)** both of which are responsible for asset maintenance on their respective lines.

These operators also run bus and taxi services, thus facilitating the full integration of public transport services.

Both were facing corrosion issues and started to consider **ZINGA** for the “Find & Fix Maintenance” program. After several comparative tests, they realized that it was better to adopt **ZINGA** as a Preventive Maintenance.

Under the “Find & Fix Maintenance” trials conducted since 2013 both **SMRT** and **SBS Transit** have accepted that **ZINGA** was a better anti-corrosion system compared to the other coatings used.

The rails are mainly produced by **MITSUI** (Japan) and **BRITISH RAIL** (France).

Since then and until today all the **SMRT** and **SBS Transit** rails are protected with **ZINGA** as unique system.

The rails are sandblasted and coated in the workshops of **ABRACLEAN** (Singapore) under the constant supervision of **ZINGA (Singapore) Pte. Ltd.**



AUTOCOLOR
2-Comp.

HEMPEL
Zinc Phosphate

CROWN 7007

ZINGA

Result of comparative 500 hours cyclic corrosion test (acc. ISO 14993) at SIMTech Singapore laboratory.



System:
Surface preparation :
Sandblasting to SA 2.5
and Rz 50-70 μm

ZINGA 2 x 60 μm DFT

