



ENERGY MANAGEMENT

## Efficient Energy Usage

### ESCALATORS

OPERATING SPEED DURING  
LIGHT COMMUTER TRAFFIC  
*For escalators fitted with variable  
frequency controllers only*

**0.35 m/s**

OPERATING SPEED DURING  
NORMAL COMMUTER TRAFFIC

**0.75 m/s**

At SMRT, energy planning and management involves regular tracking of usage across SMRT's transport network, offices and depots, and deploying appropriate technology and processes to achieve optimal energy conservation.

All escalators in SMRT's 51 MRT stations are fitted with either the Star-Delta control device or Variable Frequency Controller which reduces power consumption automatically based on passenger traffic.

The Star-Delta control device and the Variable Frequency Controllers reduce energy consumption by synchronising the electrical current to the motor based on passenger demand. These devices can reduce energy consumption by up to 20%.

