

Fact Sheet for Sentosa Express

Infrastructure investment	:	Train system	\$ 85 million
		Stations & depot	\$ 26 million
		Consultancy	\$ 8 million
		Others	\$ 21 million
		Total	\$140 million

Development period : 3½ years (June 2003 till December 2006)

Technical information

Type of system :

- Straddle-type monorail on simple beam guideway structure
- Driver-operated and computerised with the Automatic Train Protection system (to ensure trains are maintained at a safe distance) and the Automatic Train Supervisory system (to provide the route setting for the train to proceed)

Direction : Elevated 2-way track

Specifications

No. of trains : Four trains with two connecting cars per train, in orange, blue, purple and green

Train dimensions : 25 metre (L) x 2.7 metre (W) x 2 metre (H)

Train capacity : 184 guests per train (full standing)

Seating/standing ratio : 30:94

Carrying capacity : 3,000 guests/hour/direction
(Scaleable to 4,000 guests/hour/direction)

Train features :

- Air-conditioned
- Foldable seats to make room for more standing space when required
- Waist-level hand rails for easy holding
- Reserved space & safety straps for wheelchairs & strollers
- Train running performance at 6% gradient with minimum 35m curve radius

Number of train stations :

- 4 - Sentosa Station (VivoCity)
- Waterfront Station (Family Resort site)
- Imbiah Station (next to The Merlion)
- Beach Station (above Beach Car Park)

Route length : 2.1 km (one way)

Total track length	: 4.30km
<u>Operating details</u>	
Cruising speed	: 15 - 50 km/h (maximum design speed - 80km/h)
Journey time	: 8 minutes (from Sentosa Station to Beach Station)
Expected peak periods	: 10am – 3pm for entry into Sentosa 6pm – 9pm for departure to VivoCity
Operating hours	: 7am – 12midnight daily Interval is 8mins (off peak) and 5mins (peak)
Operational date	: January 2007

Ticketing

Price of ride	: \$3 per pax (adult/child) This includes island admission & travel on the monorail within Sentosa on the same day of use
Ticket type	: A contactless smart access card - Sentosa Pass - which acts as a stored card to electronically programme the guest's admission purchases
Point-of-sale	: Sentosa ticketing counters or ticket vending machines at all Sentosa Express stations (except Waterfront Station) and the Cable Car ticketing counters at Mt Faber and HarbourFront Tower II

Note: Admission into Sentosa by other transport includes the bus (\$3); cable car (\$12.90Adult/\$7.50child); taxi(\$2) and car (\$2 for car & additional \$2 per passenger)

Project Partners

Train system manufacturer	: Hitachi Asia Ltd
Consultants	: SMRT Engineering Team Design Chung Architects Specs Consultants
Contractors	: Sunhuan Construction Pte Ltd Transys Pte Ltd
Contactless access card provider	: Inside Contactless