In 1999, the elevated light rail transit system, the 'skytrain', was handed over to the customer one month before the contractually scheduled date. The approximately 23 km long route consists of two lines: Sukhumvit and Silom.

The skytrain offers its passengers rapid and reliable transport and presents itself as being an extremely attractive and environmentally friendly alternative to road transport. Today the skytrain transports about 400,000 passengers daily.

Siemens was a leading member of the consortium and responsible for project management, system integration, signaling, telecommunications, automatic fare collection, traction power supply system, Scada, third rail, track work, workshop facilities, construction services, the vehicles, assembly, commissioning and maintenance for a period of five years.
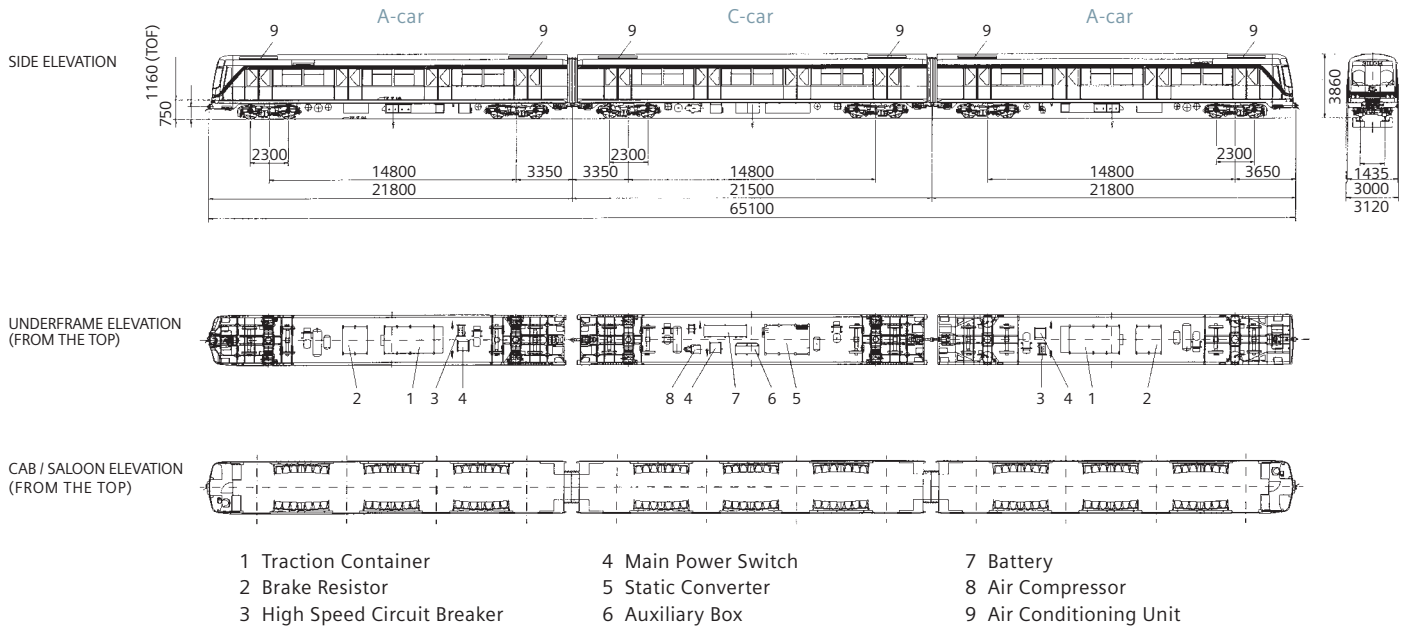
The rolling stock for this turnkey system was developed in cooperation with Porsche Design.

Technical Data	
Train configuration	MC+T+MC
Wheel arrangement	Bo'Bo'+2'2'+Bo'Bo'
Carbody material	Stainless steel
Track gauge	1,435 mm
Length over couplers	65,100 mm
Width of car	3,200 mm
Floor height above top of rail	1,150 mm
Wheel diameter new / worn	850 mm / 775 mm
Tare weight / total weight	102.5 t / 155 t
Max. axle load	14.5 t
Number of seats	126
Train capacity 6 pers./m^2	846
Passenger doors per car	2 x 4
Min. curve radius, service line / depot	87.5 m
Max. gradient	3.5 %
Max. speed	80 km/h
Max. starting acceleration	1.1 m/s^2
Deceleration service brake	1.1 m/s^2
Power supply	750 V DC / Third rail

Metro System –
Skytrain Bangkok BTS, Thailand

35 Three-Car Units

Transportation Systems

SIEMENS

SIDE ELEVATION

A-car C-car A-car

1160 (TOF)
750
2300
14800
21800
3350
3350
2300
14800
21500
2300
14800
21800
3650
65100
3860
1435
3000
3120

UNDERFRAME ELEVATION (FROM THE TOP)

2 1 3 4   8 4 7 6 5   3 4 1 2

CAB / SALOON ELEVATION (FROM THE TOP)

1 Traction Container	4 Main Power Switch	7 Battery
2 Brake Resistor	5 Static Converter	8 Air Compressor
3 High Speed Circuit Breaker	6 Auxiliary Box	9 Air Conditioning Unit

Interior