

Introduction to Thai Rail System

By

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Topics

1. History: 3 VIP's of Thai Railway
2. Thailand's Rail Systems



พระบาทสมเด็จพระจุลจอมเกล้าเจ้าอยู่หัว

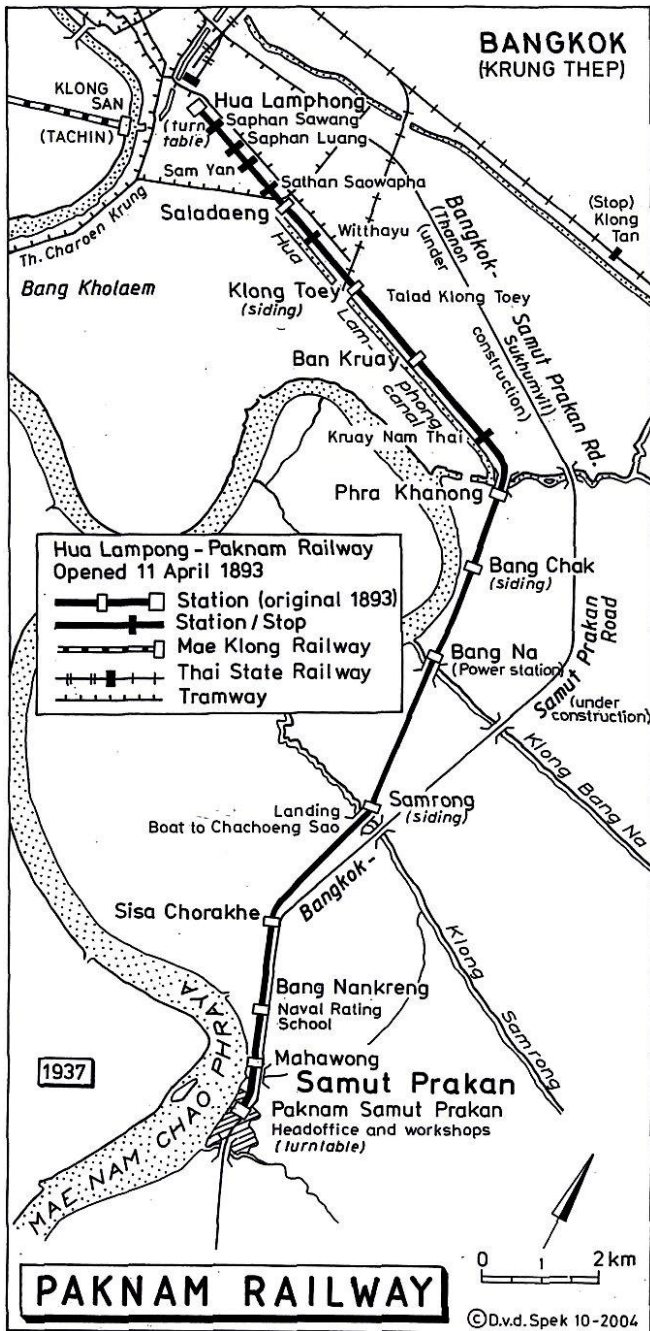
- **King Rama V the Great, A Visionary Leader**
- His reign was between October 11, 1868 thru October 23, 1910
- Railway was established during his reign (first operation in 1896) as a way to facilitate the Administration and Defence of Siam especially in the provincial cities
- And the first railway of Thailand was once used as a means of defence in Siam's 1893 crisis...





พระยาชลยุทธโยธินทร์ (องเดร ดู เปลซี เดอ ริเชอลีเออ)

- Andreas du Plésis de Richelieu (Danish) or Phraya Chollayutyothin, the one and only foreign Royal Thai Navy Commander in Thailand's history
- Established the FIRST Thai Railway System « Paknam Railway » ,a meter gauge system
- In operation from April 11, 1893 thru Jan 1, 1960



The first railway in Thailand was a private line connecting Bangkok with Paknam at the mouth of the Chao Phraya River, a distance of 21 kms. Paknam at the time was the anchorage for sea-going ships that could not reach Bangkok. Work on the line was begun in 1887 and it was opened to traffic by the king on 11 April 1893. Besides the two terminals in Bangkok and Paknam it had ten intermediate stations.

Operation stopped in 1960 and the 1.000 meter gauge rail road was changed to Rama IV road.







กรมพระกำแพงเพชรอัครโยธิน

- **Prince Burachartara Chaiyakorn,**
Krommapra Kampaengpetch Akkarayothin
- The first Commander of the Royal Railway Department, now the State Railway of Thailand or SRT
- A Visionary Leader who established foundations of railway systems in Thailand (Interoperability of a standard gauge system and a meter gauge system, Diesel Electric Loco., Admin. the railway expansion, etc.)



รถ **Diesel Electric** หรือ รถburจักร



คูโมงค์ขุนตาล 2461



สะพานทาชมพู 2462



สะพานพระราม6 2469



14 กันยายน วันบูรฉัตร



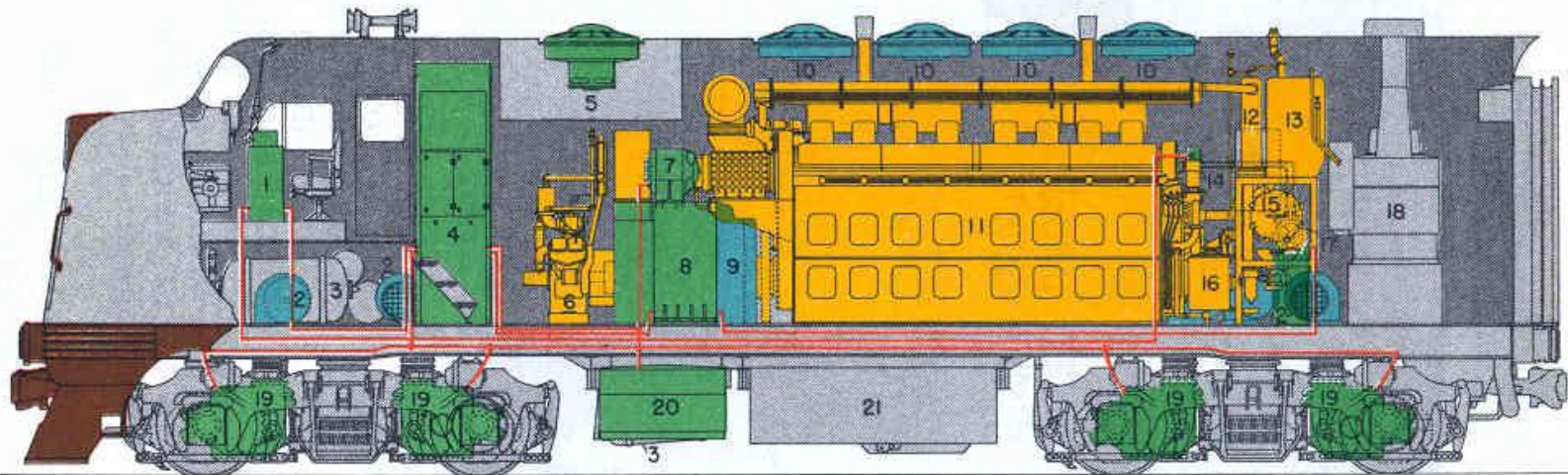
4,346 km of Railway

in Thailand:

Double Tracks are now being supported to be expanded (from 31km double tracks and 59km triple tracks)



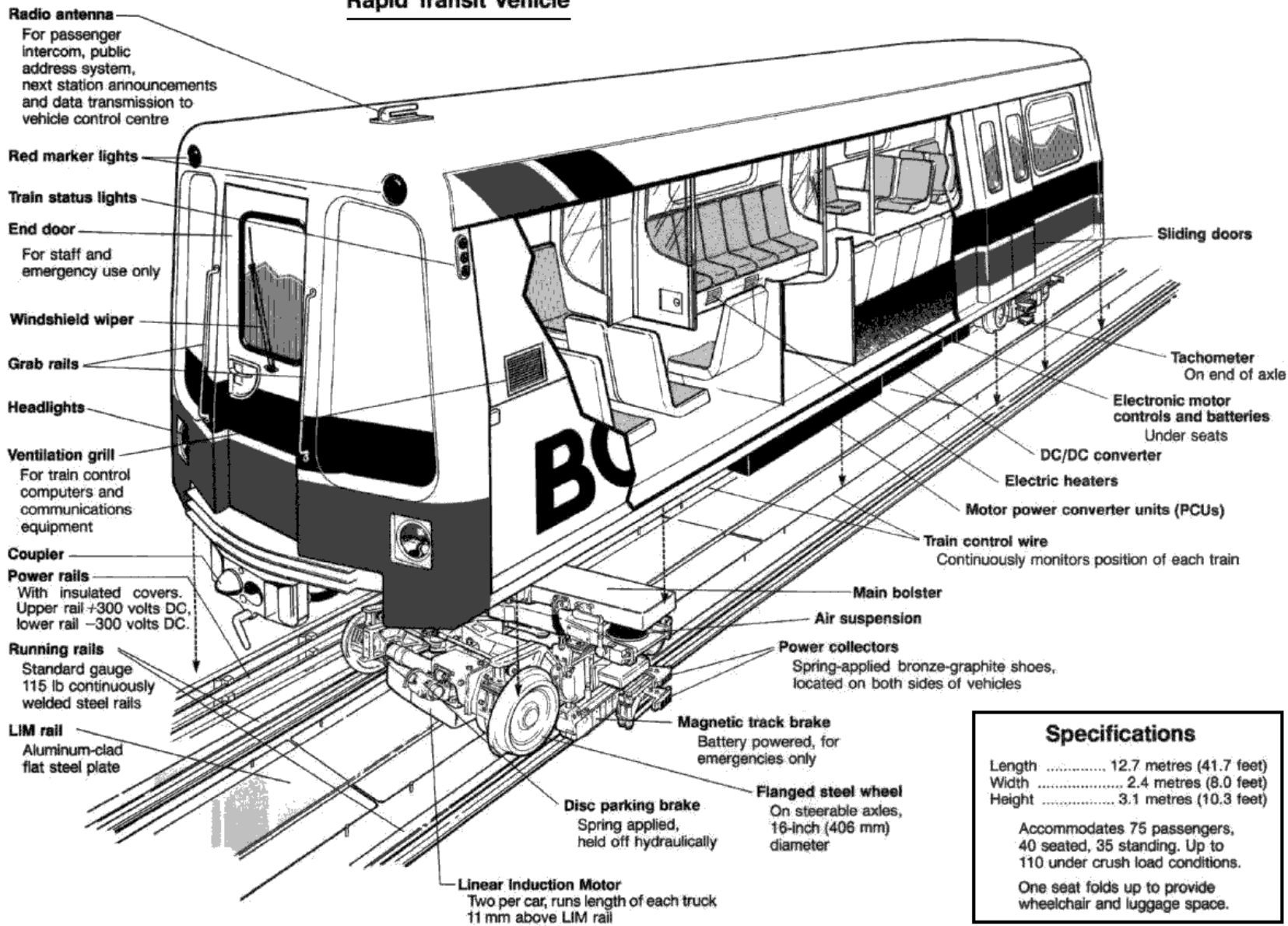
F7 DIESEL LOCOMOTIVE "A" UNIT



- | | | | | |
|--------------------------|-----------------------|--------------------|-------------------------|--------------------|
| 1 ENGINEER'S CONTROLS | 5 DYNAMIC BRAKE HATCH | 9 A.C. GENERATOR | 13 COOLING WATER TANK | 17 LOAD REGULATOR |
| 2 TRACTION MOTOR BLOWERS | 6 AIR COMPRESSOR | 10 COOLING FANS | 14 ELEC. HYDR. GOVERNOR | 18 STEAM GENERATOR |
| 3 AIR RESERVOIRS | 7 AUX. GENERATOR | 11 DIESEL ENGINE | 15 LUBE OIL FILTER | 19 TRACTION MOTORS |
| 4 ELECTRICAL CABINET | 8 D.C. GENERATOR | 12 LUBE OIL COOLER | 16 LUBE OIL STRAINERS | 20 BATTERY BOXES |
| | | | | 21 FUEL TANK |

■ PRIME MOVER
 ■ TRANSMISSION AND CONTROL
 ■ A.C. CURRENT
 — CABLE

Rapid Transit Vehicle



Specifications

Length 12.7 metres (41.7 feet)
Width 2.4 metres (8.0 feet)
Height 3.1 metres (10.3 feet)

Accommodates 75 passengers, 40 seated, 35 standing. Up to 110 under crush load conditions.

One seat folds up to provide wheelchair and luggage space.

21 km

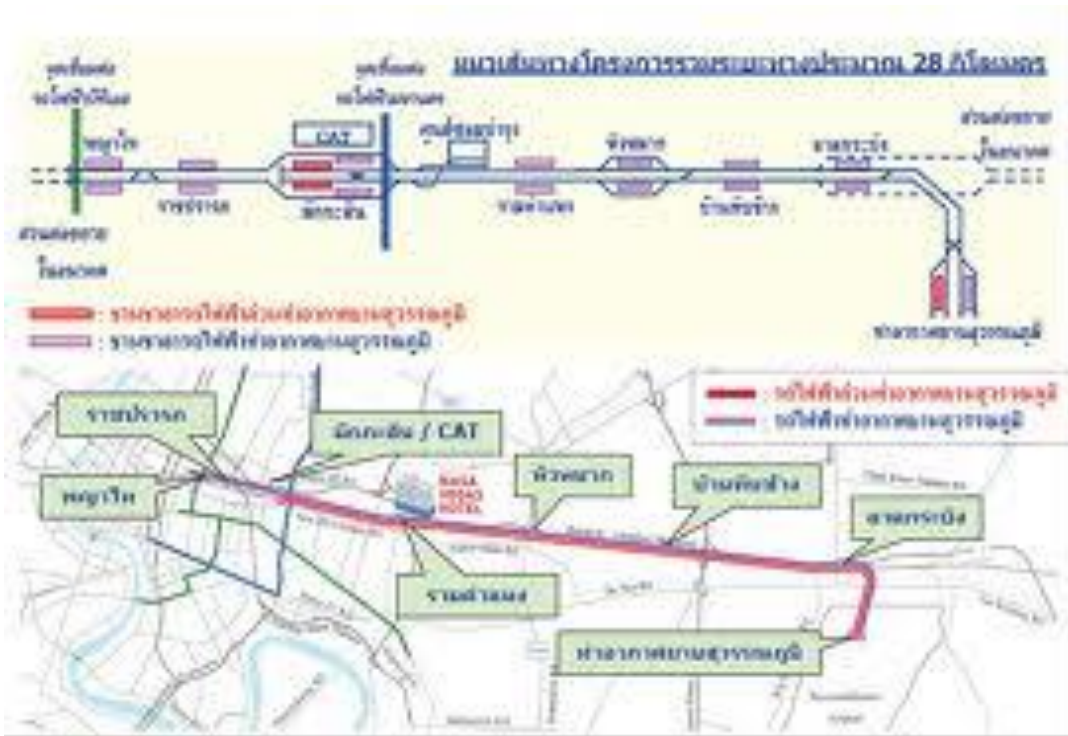


บริษัท รถไฟฟ้ากรุงเทพ จำกัด (มหาชน)
Bangkok Metro Public Company Limited

The Operator of MRT



For more information please contact Customer Relations Center Tel : 0 2624 5200 or www.bangkokmetro.co.th



21.8km Future Extension + 28.5km Existing Line + Future Hi Speed Line Extension

High speed Train



- Develop High speed Train from Bangkok to Major City (Range 200-300 km.)
- Travel Time in 2 hour
- Premium Service
- Potential Routes
 - 1) North (BKK-Nakhonsawan 231 km.)
 - 2) Northeast (BKK-Nakhonratchasima 266 km.)
 - 3) East (BKK-Chantaburi 227 km.)
 - 4) South (BKK-Hua Hin 200 km.)





THE END