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MTR



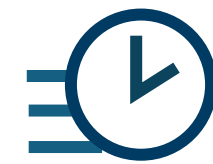
IRSC 2025

***Advancing Railway Safety through
Innovations and Collaborations***

Hong Kong, China 25th - 30th November 2025

Long Term Railway Development in Hong Kong

Ir Edmond LEUNG Kwong Ho



24 mins
to the city centre



Trains
every **10-12** mins



Seamless
baggage transfers

**SAFETY IS NOT
AN AFTERTHOUGHT;
IT IS OUR
ENGINEERING ETHOS.**



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1910 KOWLOON CANTON RAILWAY



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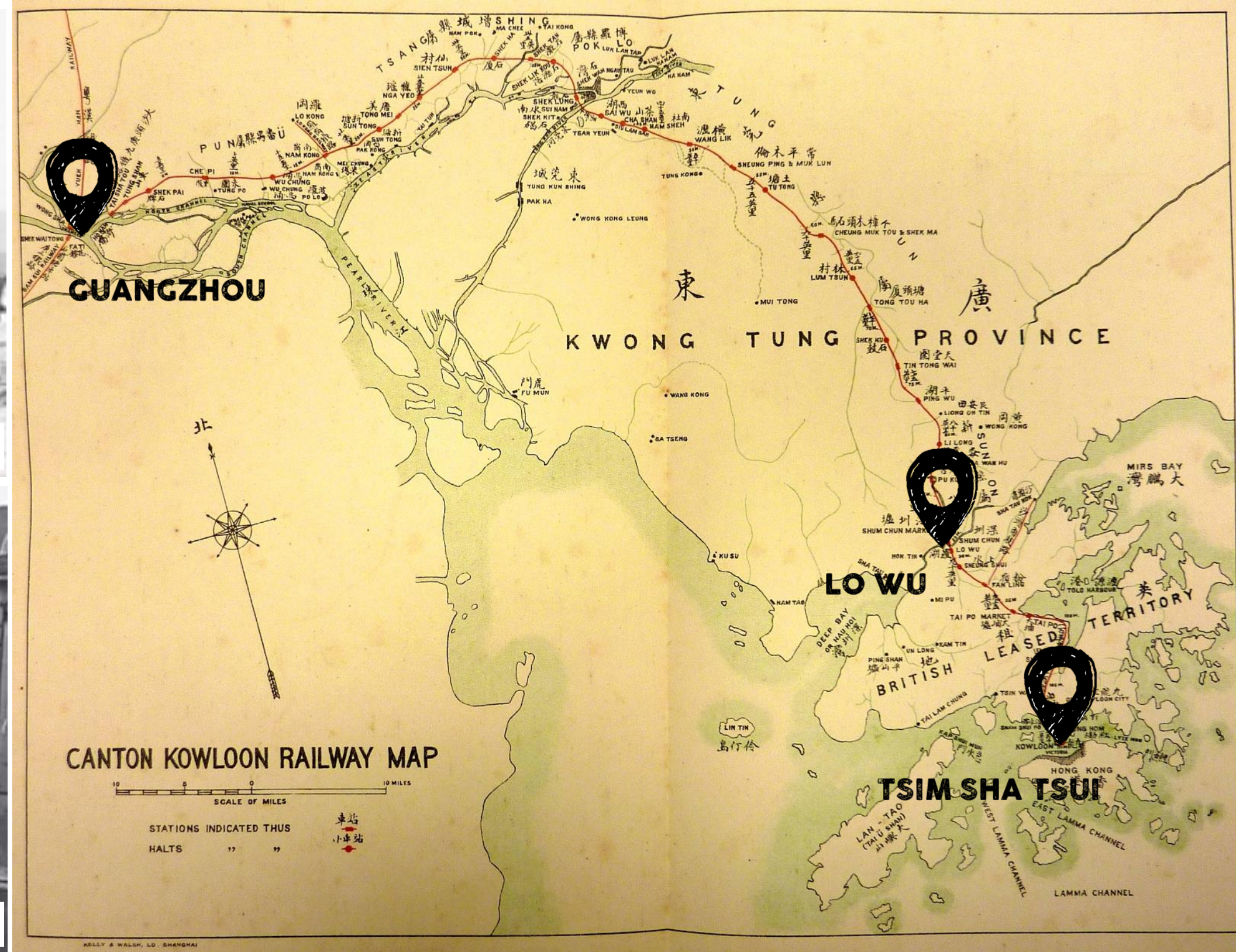
1910



Source: KCRC



Source: internet



1970s



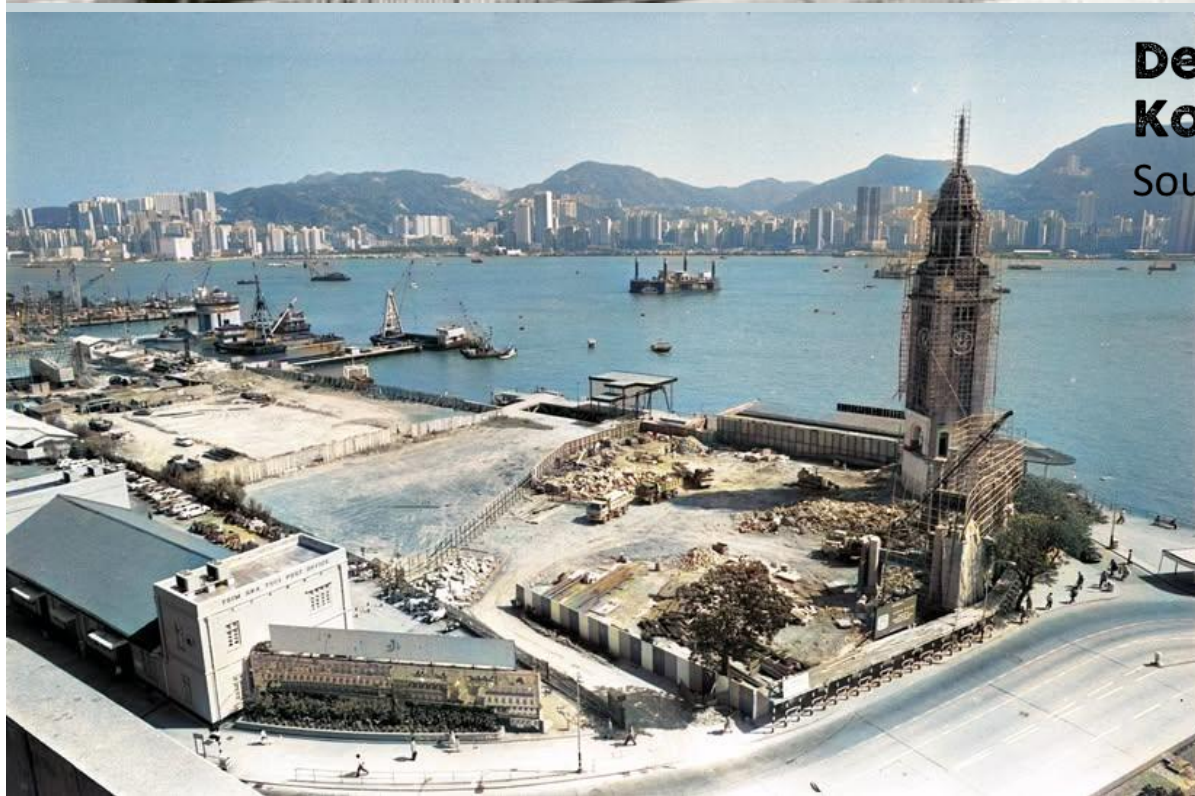
**Kowloon Station
at TSIM SHA TSUI**

Source: internet



**Kowloon Station
at HUNG HOM**

Source: internet



**Destruction of
Kowloon Station**

Source: internet



**Kowloon Station
at HUNG HOM**

Source: internet

1979 MASS TRANSIT RAILWAY



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NETWORK EXPANSION

1979



NETWORK EXPANSION

1982



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1985



MAJOR MODERNISATION



double-tracking



Installing overhead power lines

1980-83



First generation Electric Multiple Units of electric train



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NETWORK EXPANSION

2003



LIGHT RAILWAY SYSTEM

23 km → 36km

41 stops → 68 stops

1988



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MTR-KCR MERGER



2007



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INTERNATIONAL OPERATION



LOCAL INNOVATION



Contactless Fare System launched in 1997



SAFETY AS THE ENDURING PRIORITY

CBTC testing collision

- 1 injury
- Safety post-fixes confirmed



SAFETY AS THE ENDURING PRIORITY

Escalator Accidents

Jan-Sept 2024

- Over 430 incidents
- 60% linked to imbalance or not using handrails.

Hold the Handrail, Stand Firm on Either Side



Use a Lift When Travelling with Bulky Items



SAFETY AS THE ENDURING PRIORITY

Service Interruptions



MTR signalling fault fixed after two-hour disruption

SAFETY AS THE ENDURING PRIORITY

Hardware Intrusions

- No injuries
- Services halted three hours



SAFETY AS THE ENDURING PRIORITY

Weather and Flooding

2018
Super Typhoon Mangkhut



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SAFETY AS THE ENDURING PRIORITY

Weather and Flooding

September 2023
Black Rainstorm Signal



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LOOKING AHEAD



390 km network target by 2030



Northern Link project



Bay Area connections



AI guardians spotting storms early



Predictive maintenance



Cross-border: Tuen Mun Shenzhen



HK工E

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