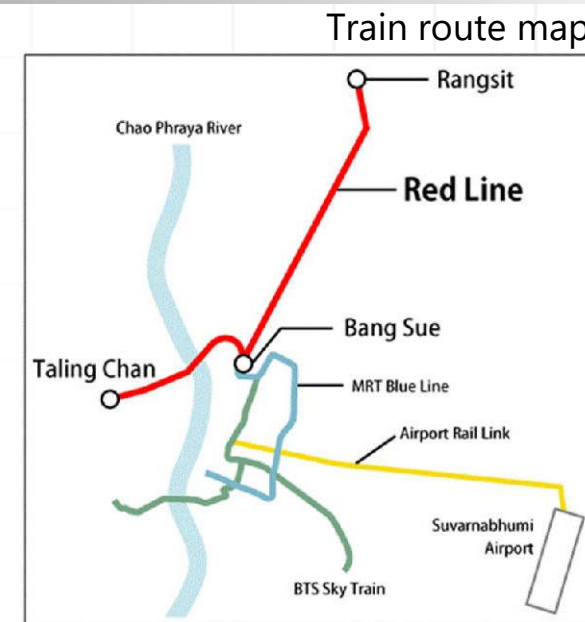


Red Line Project

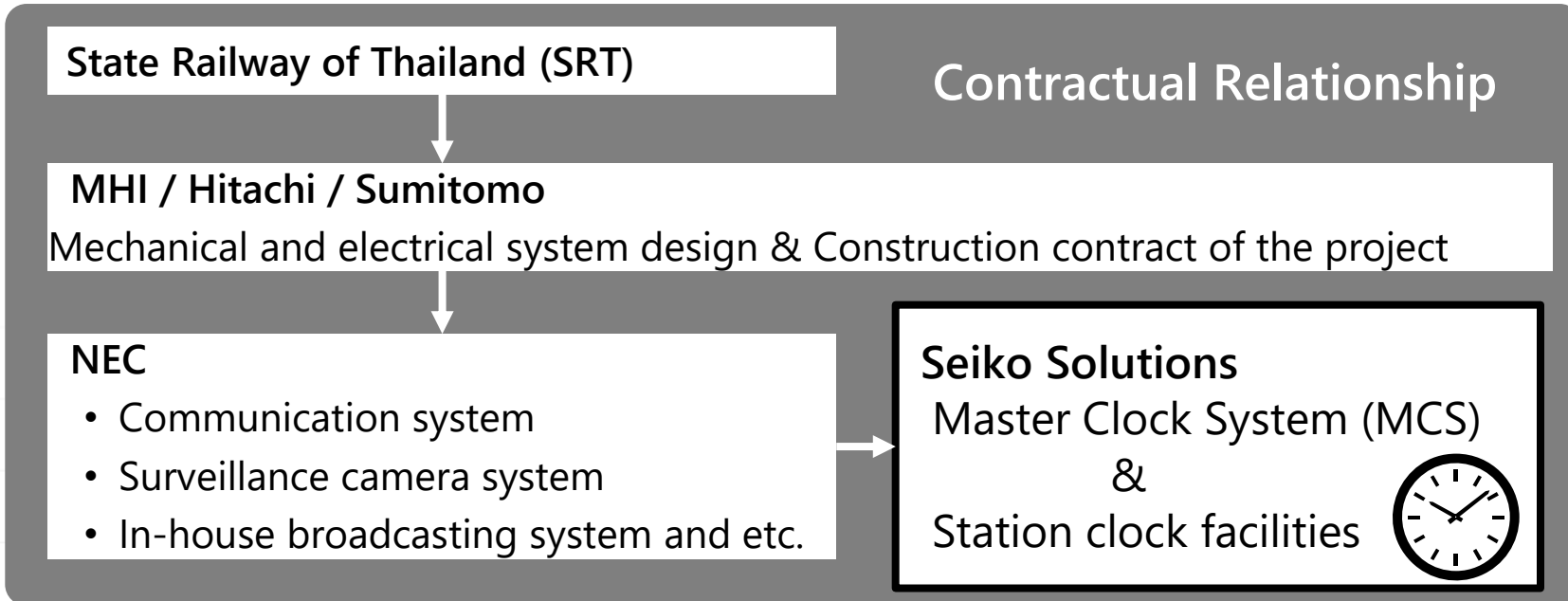
The Red Line commuter train system is a suburban rail project in Bangkok Metropolitan Region, Thailand.

- North Line: 26.4km line from Bang Sue, located in the center of Bangkok, to Rangsit in the north / scheduled to be open in 2021
- West Line: 14.6km line between Bang Sue and Taling Chan

Master Clock System (MCS) and station clock facilities part of the project was ordered from NEC Corporation Thailand to Seiko Solutions.



Vehicle image

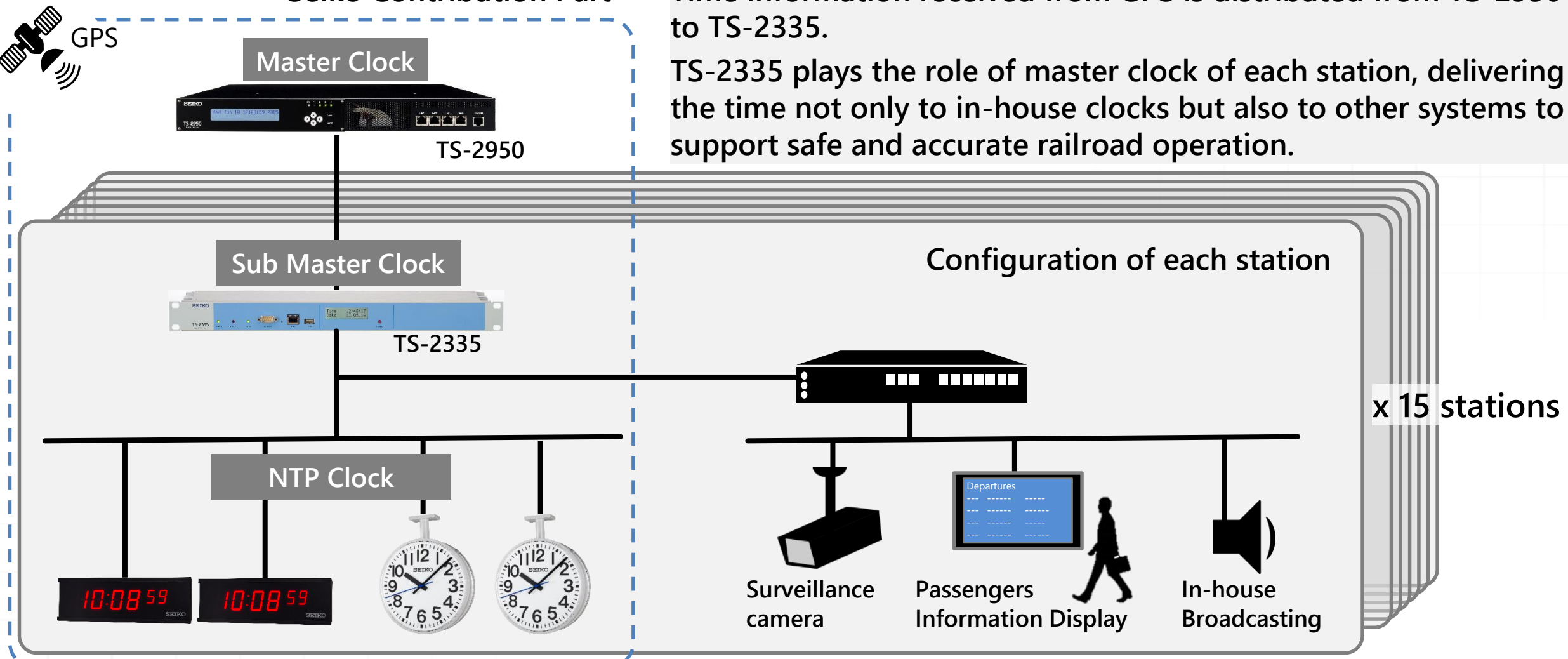


Configuration Diagram Around Master Clock System (MCS)

Seiko Contribution Part

Time information received from GPS is distributed from TS-2950 to TS-2335.

TS-2335 plays the role of master clock of each station, delivering the time not only to in-house clocks but also to other systems to support safe and accurate railroad operation.

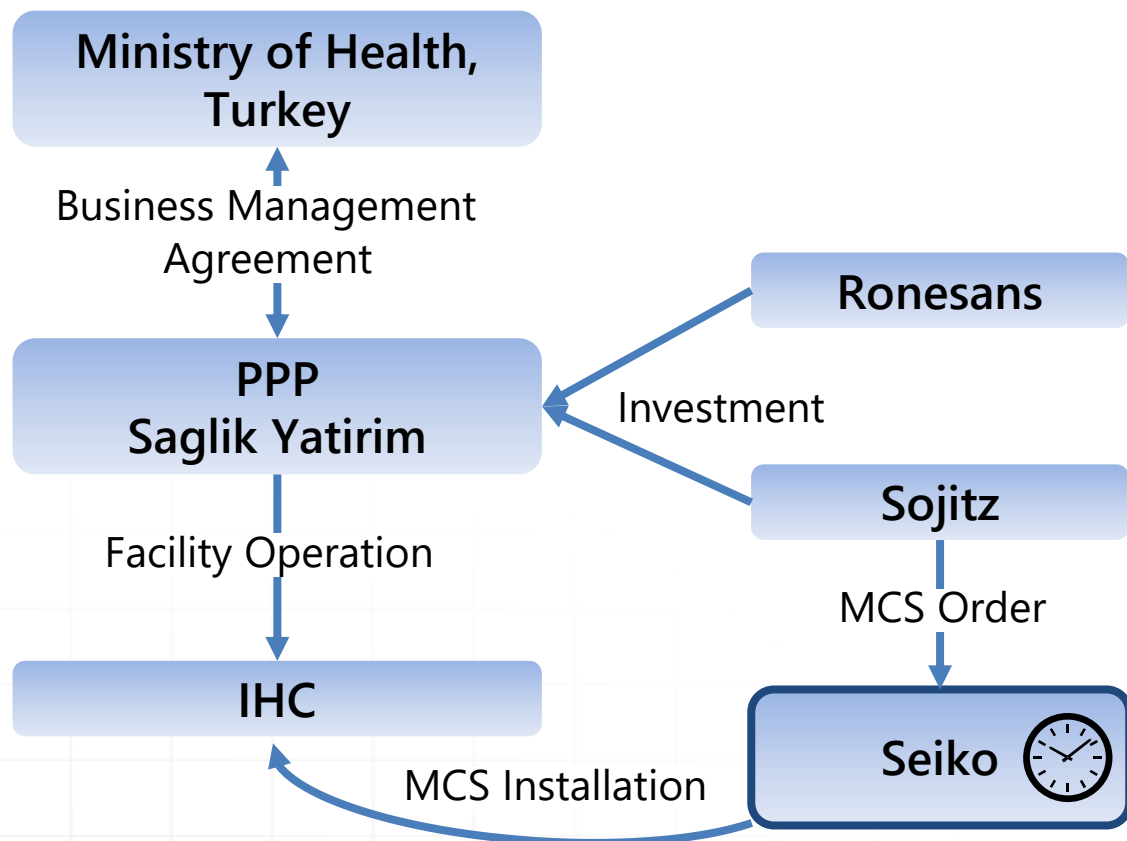


Seiko's Master Clock can continue time delivery with high precision even when it temporarily loses GPS signal.

Ikitelli Integrated Health Campus (IHC)

IHC is one of the largest hospital projects planned by the Ministry of Health of Turkey to resolve the shortage of beds by encouraging public-private partnership to establish public hospitals.

Istanbul PPP Saglik Yatirim A.S., a joint venture of Sojitz and Ronesans Group has entered into a 25 year business management agreement with the Ministry of Health. The total cost of the project is estimated at approximately 200 billion yen

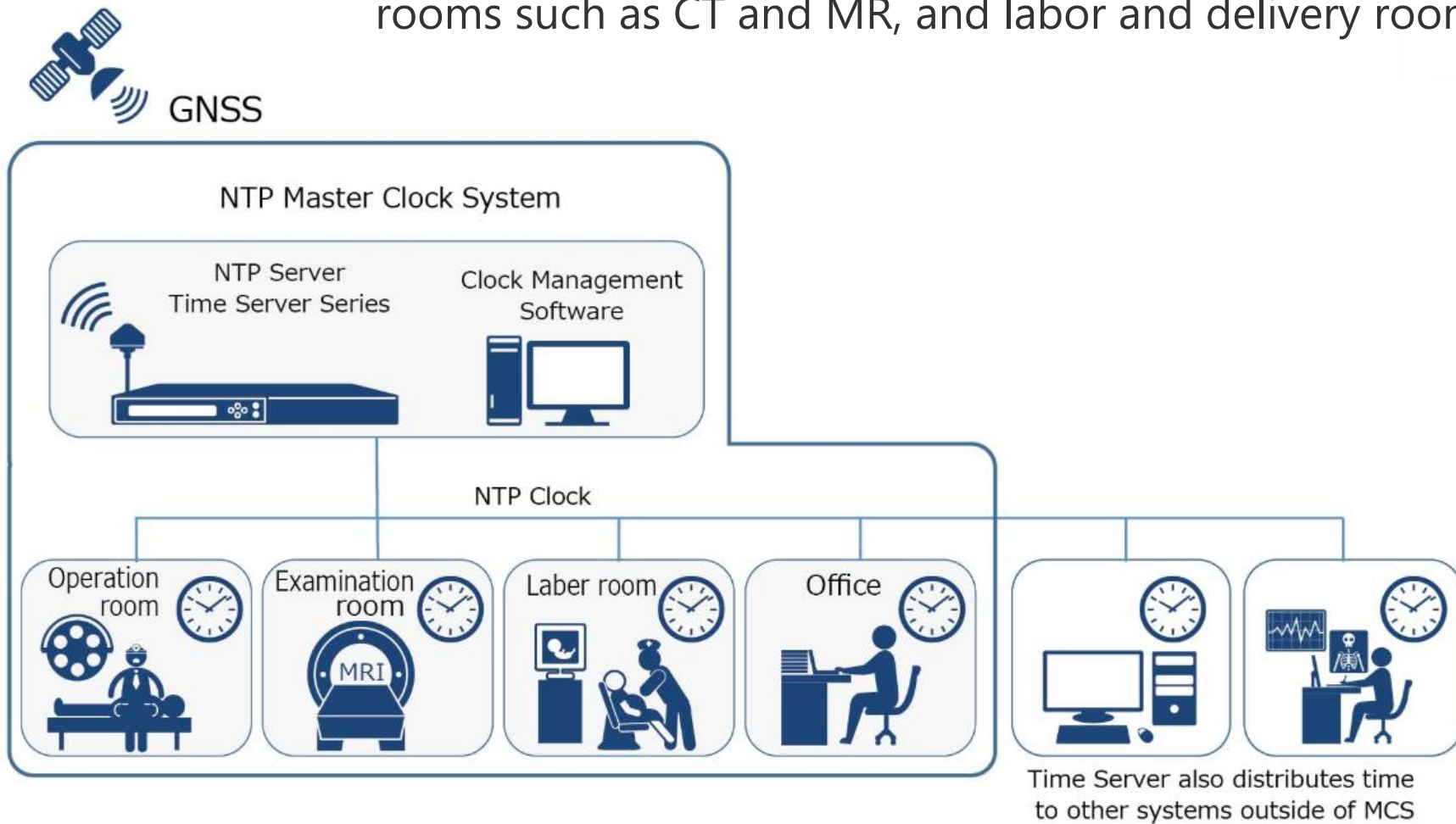


Campus image



Configuration Diagram Around Master Clock System (MCS)

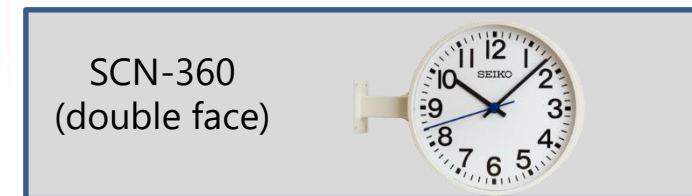
More than 2,000 units of NTP Clocks will be installed in hospital wards, operating rooms, ICUs, radiation rooms, examination rooms such as CT and MR, and labor and delivery rooms.



Time Server



NTP Clock



Suvarnabhumi Airport

Suvarnabhumi as an international airport in Bangkok, Thailand, covers an area of 32.4 km², making it one of the biggest international airports in Southeast Asia and a regional hub for aviation.

More than 50 NTP clocks are installed to display time received from redundant TS-2210.

