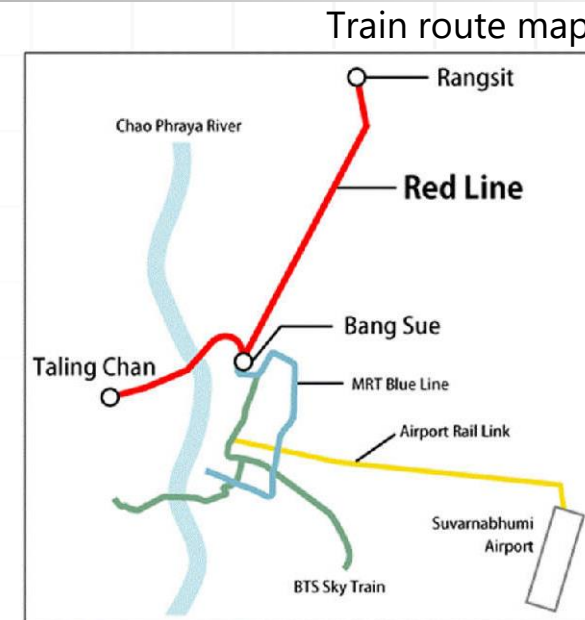


Red Line Project

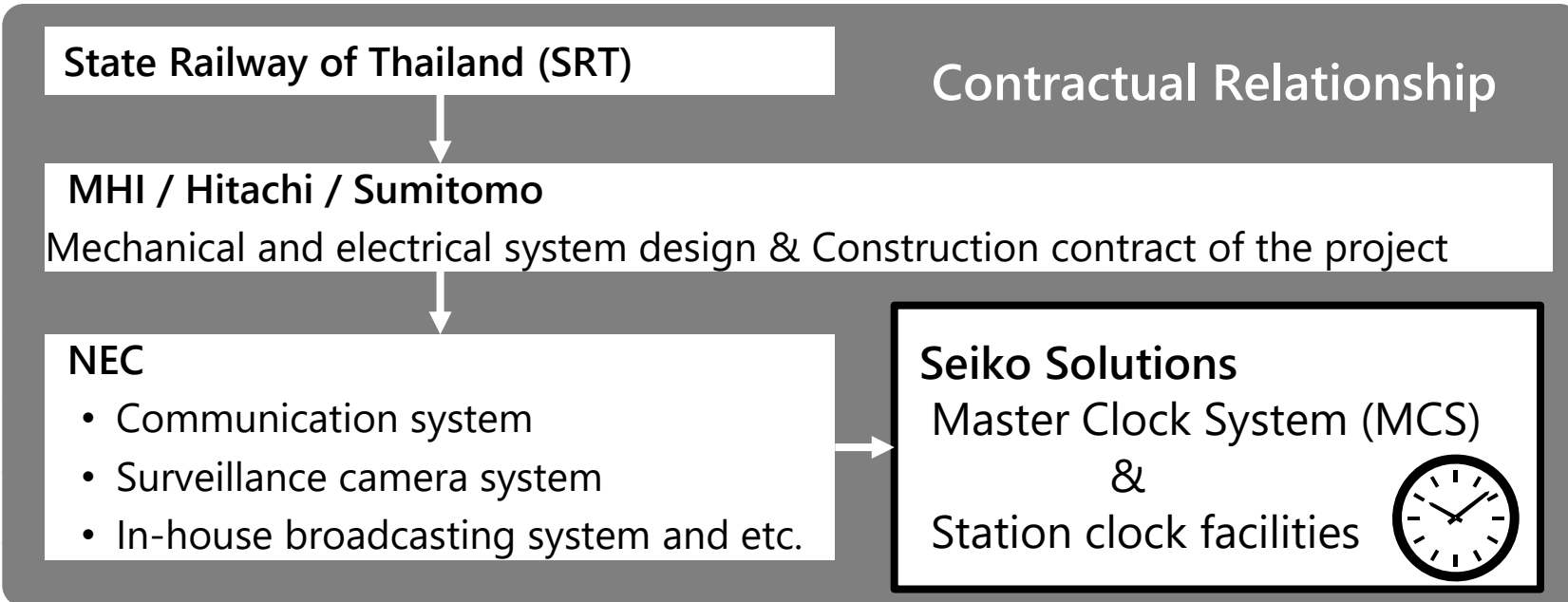
The Red Line commuter train system is a suburban rail project in Bangkok Metropolitan Region, Thailand.

- 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

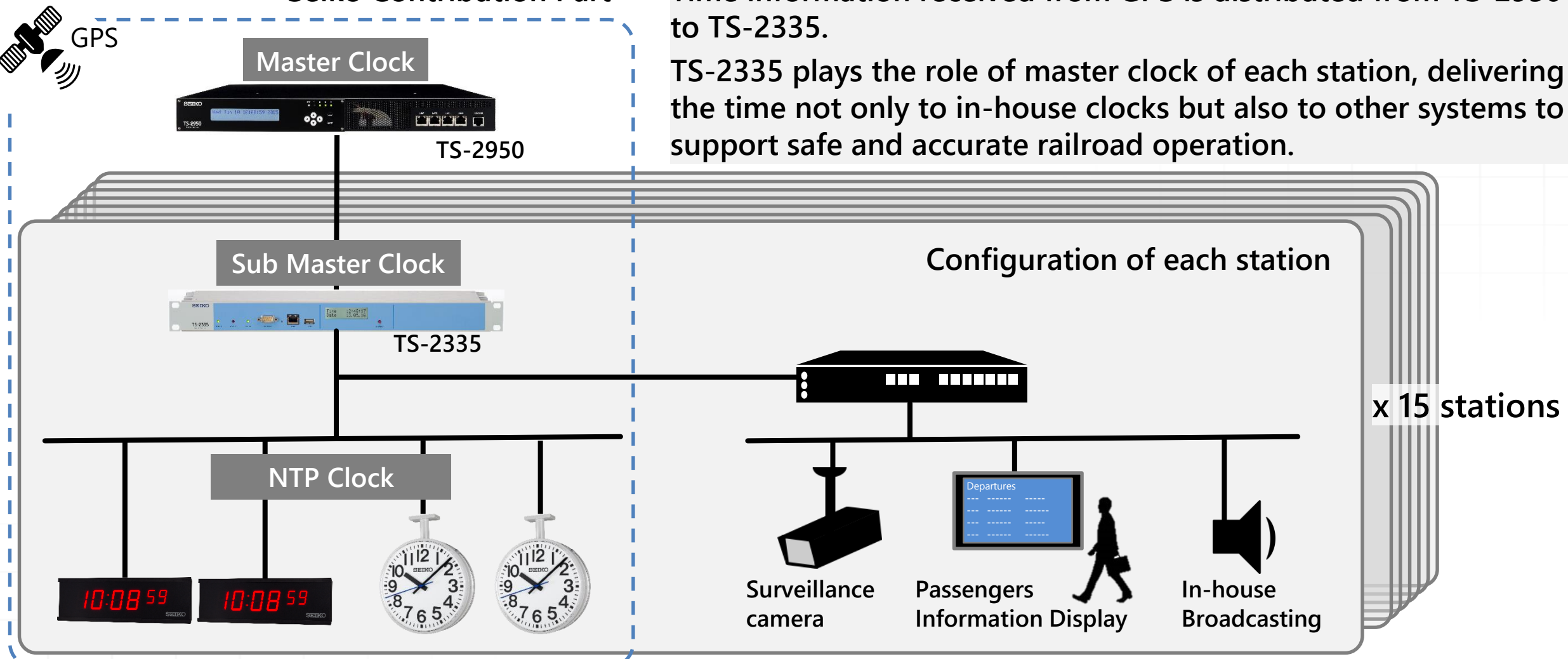


Configuration Diagram Around Master Clock System (MCS)

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.