Siemens is responsible for refurbishment of the entire mass transit network in Copenhagen including ATC equipment for 135 passenger trains and maintenance vehicles. Refurbishment of the S-bane network is divided into six phases. After completion, the system can be further upgraded for driverless train operation (DTO).

**Project scope**

- Trainguard MT train control system
- Trackguard Sicas ECC electronic interlocking system
- Controlguide Vicos OC 101 operations control system
- Clearguard AzS 350 U track vacancy detection system
- Airlink radio communication system
- Switchguard Bsg 9 and ILS 915 point machines
- Line length: 170 km
- Headway: 90 s (theoretically 70 s)

**Commissioning date**

Phase 1: 2014 until
Phase 6: 2018