

IoT-Integrated Level Crossing Barrier Machine



Sensors installed in the barrier machine transmit measurement data to control centers, enabling automated periodic inspections.

Challenges for railway operators

Countermeasures for labor shortage

reduce periodic inspection workload

Maintain safety

Enables centralized data monitoring at control and maintenance centers

IoT-Integrated Level Crossing Barrier Machine

Remote monitoring of measurement data

Automation of periodic inspections

Real-time monitoring of equipment status

IoT-Integrated Level Crossing Barrier Machine

Configuration

NIPPON SIGNAL

Measurement data (current, voltage, etc.) from sensors installed in the barrier machine are aggregated and analyzed in the Traio cloud

→ Transmitting operational status to control centers enables automated periodic inspections.

