

We are developing our facilities and systems for more reliable and comfortable service to our customers.

## Major Projects

### A Safety and Reliability Improvement

**A-1** Renewal of Kawasaki Thermal Power Plant

**A-2** Renewal of Shinanogawa Hydroelectric Power Plant

**A-3** Renewal of Senju Hydroelectric Power Plant

Senju Hydroelectric Power Plant



**A-4** Shinkansen's aseismic reinforcement for utility poles

**A-5** Renewal of ATOS

**A-6** Flooding measures for Shin-Tsurumi Transformer substation

**A-7** Renewal of Morioka substation devices

**A-8** Reconstruction of Nagano Shinkansen rolling stock depot

**A-9** Grade separation around Jyūjyō station on Akabane Line

**A-10** Simplification and integration for Chūō Line

**Each place** Expanding the installations of ATS-P (Automatic Train Protection equipment)

**Each place** Antiseismic reinforcement for electrical transmission towers

**Each place** Modification of disaster prevention information system

**Each place** Installation of Maintenance Support System

**Each place** Simplification and integration of overhead catenary system

**Each place** Simplification of overhead catenary for Shinkansen

**Each place** Renewal of interlocking system (Conventional Lines)

**Each place** Renewal of interlocking system (Shinkansen)

**Each place** Renewal of digital train radio system (Conventional Lines)



**Each place** Renewal of digital train radio system (Shinkansen)

**Each place** Renewal of Programmed Traffic Control Device

**Each place** Renewal and reinforcement of electricity grid

**Each place** Renewal of SCADA (Conventional Lines)

**Each place** Expansion of private power grid in metropolitan area

**Each place** Renewal of equipment control system in metropolitan area

**Each place** Renewal of remote control and monitoring system for Shinkansen's substation

### B For better security

**Each place** Creating network security cameras on station premises

**Each place** Increase of wayside security camera for Shinkansen

**Each place** Reliability Improvement of train operation management system

**Each place** Renewal of JR-IPNet

### C Service Quality Innovation

**C-1** Introduction of "Green car" (first-class car) on Chūō and Ōme lines

**C-2** Construction of Haneda Airport Access Line

**C-3** Introduction of ATACS (Keihin-Tohoku Line)

**C-4** Modification of COSMOS for extension of Hokuriku Shinkansen

**C-5** Elevation of Shin-etsu Line around Niigata station & development around the area

**C-6** Reconstruction of JR Tokyo General Hospital ward

**C-7** Improvement of a new approach line (Towards Tokyo) for Shinkansen at Fukushima station

**C-8** Construction of the connecting passage at Sukagawa Station on Tohoku Line

**Each place** Construction of ground equipment for One-person operation service

**Each place** Introduction of level crossing system using GNSS and Radio Technology

### D Live Together with Communities/ Development of Lifestyle Business

**D-1** Construction of Takanawa Gateway station



Takanawa Gateway station

**D-2** Remodeling of Tōkyō station

**D-3** Remodeling of Shinjuku station

**D-4** Remodeling of Shibuya station

**D-5** Remodeling of Ochanomizu station

**D-6** Remodeling of Shinagawa station

**D-7** Remodeling of Hamamatsuchō station

**D-8** Remodeling of Tamachi station

**D-9** Remodeling of Musashikosugi station

**D-10** Remodeling of Ōimachi station

**D-11** Remodeling of Yotsuya station

**D-12** Remodeling of Nakano station

**Each place** Construction of 5G Mobile Communication System

**Each place** Beyond Stations concept

### Overseas Business Support

**India** Technical Support for Mumbai-Ahmedabad High Speed Railway Project

**Myanmar** Detail Design for Myanmar Railway Improvement Project

**Indonesia** O&M Consulting of Jakarta Mass Rapid Transit

