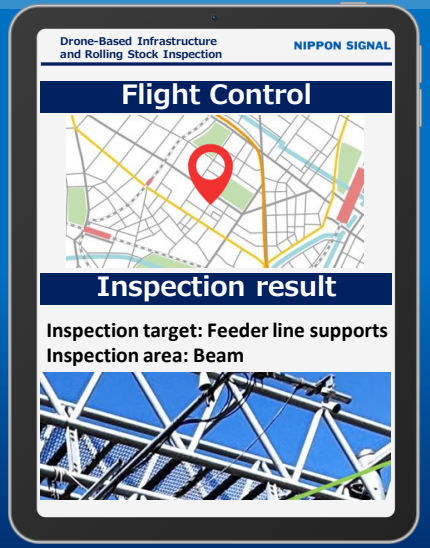
Realize Sustainable Mobility

NIPPON SIGNAL

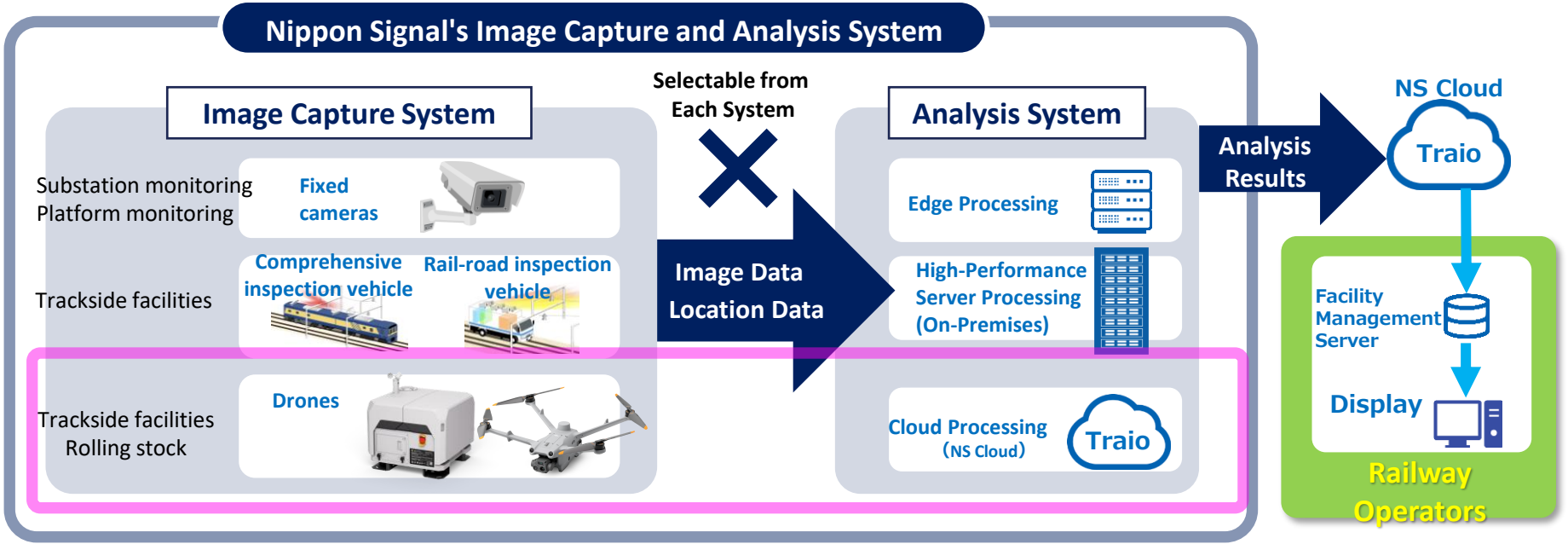
Drone-Based Infrastructure and Rolling Stock Inspection



Drone-Based Infrastructure and Rolling Stock Inspection

NIPPON SIGNAL

Nippon Signal's "Image Capture and Analysis System" has been expanded a new drone-based image capture solution for railway facility inspections.



Data collected by drones is analyzed on Nippon Signal's private cloud (Traio).

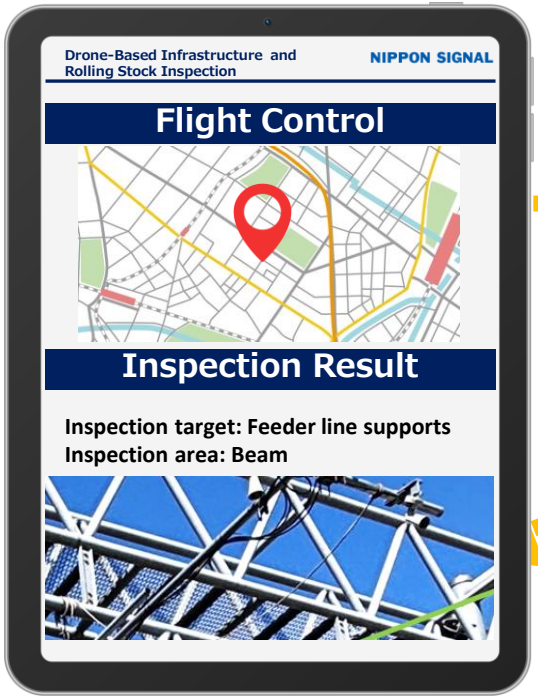
Drone-Based Infrastructure and Rolling Stock Inspection

Facility inspection image

NIPPON SIGNAL

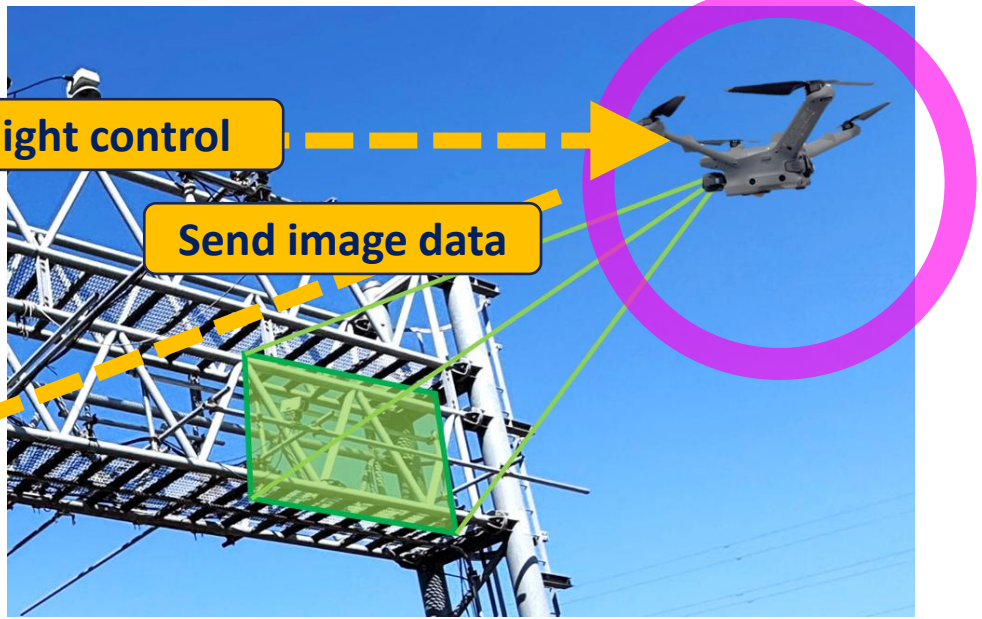
High-altitude equipment such as feeder lines is inspected using drone photography.

Tablet Device



Equipment Inspection by Drone

Replaces inspections previously performed using aerial work platforms.



Drone-Based Infrastructure and Rolling Stock Inspection

Rolling stock inspection image

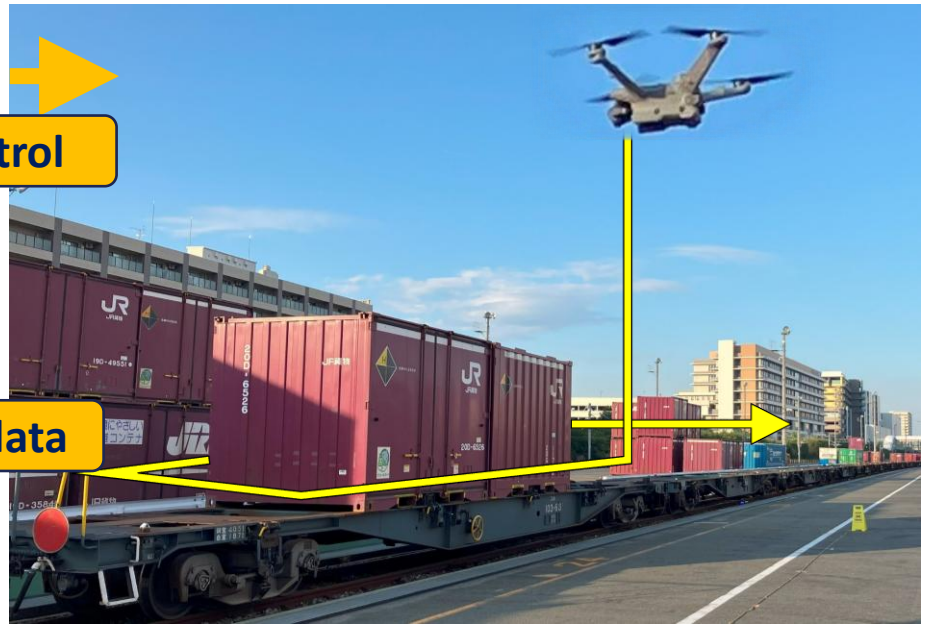
NIPPON SIGNAL

Confirms whether railway containers are properly loaded onto freight cars using drone photography.

Tablet Device

Equipment Inspection by Drone

Replaces manual visual inspections previously performed by staff.



Tests conducted with the cooperation of Japan Freight Railway Company (JR Freight).

Please see the video

Video

Test flight at Kuki Plant of NIPPON SIGNAL