

Centralized Operation Control System for Snow and Ice Operation Vehicles (Integrated control panel)

Système centralisé de commande des véhicules de lutte contre la neige et le verglas (panneau de commande intégré)



Background

Diverse tasks requiring expertise
The burden of learning how to operate different types of equipment

A technology has been developed to control salt application, snowplow operation, and message board operation from a single touch panel installed in the operator's cabin.



Anti-icing agent spraying



Snowplow operation



Sign Control operation



Integrated control panel

The centralized operation system enhances operational efficiency and reduces workload.

System overview

While traveling to a registered location (concept)



Integrated control panel screen

The system keeps track of the vehicle location with the aid of GPS. The operation programmed for the registered location is started.



Satellite positioning system

226.55 KP

226.56 KP

226.57 KP

After arriving at the registered location (concept)



Integrated control panel screen

As the vehicle approaches the registered location, the operation to be performed in the next section is displayed on the monitor screen, and the operation is started upon arrival at the registered location.

Registered location



227.31 KP

227.32 KP

Centralized control from the Integrated control panel leads to the standardization of snow removal operation.

→ Reduction of workload

