



Airfield Pilot

Driver Assistance System



With the Driver Assistance System for jet sweepers, the first of the Airfield Pilot's three steps for autonomous operations is realized. It supports you in the step-by-step adaptation of your systems, taking into account the specific conditions at the airport. High precision standards control the positions and operating modes of the plough, brush and blower on predefined routes. This allows you to complete your snow clearing tasks correctly at the first attempt, so that time-consuming re-working is no longer necessary.

Highlights

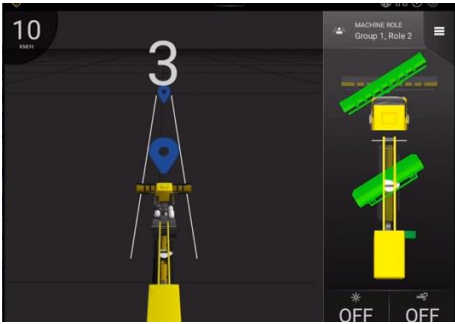
- **Machine control & driver guidance:** The Driver Assistance System optionally supports the driver with advice and information on both driving behaviour and machine positions.
- **Route recording & editing:** With high precision standards such as RTK or NTRIP, routes can be recorded and edited including the corresponding positions and operation modes of plough, brush and blower.
- The **web editor** enables you to edit paths, add geo-events and create routes and segments. Operation management can deploy routes to any machine as needed, or even switch between the machines.
- **Dynamic route adjustment:** No gaps in runway clearing coverage when working in convoys.

Your benefits

- Overall **increased efficiency & performance improvement:** Tasks are completed on the first go and time-consuming re-working is no longer necessary. As a result, runway availability can be maximised and overlaps of machines minimised.
- **Drivers can be deployed on different vehicles** and in different roles **without special measures;** personnel planning becomes easier and more flexible while improving safety at the same time.
- **Less training and organisational costs** thanks to driver guidance.
- Positive impact on the environment due to **reduced emissions.**
- **Fits any machine:** The Driver Assistance System is compatible with any jet sweeper available on the market.

Key Features

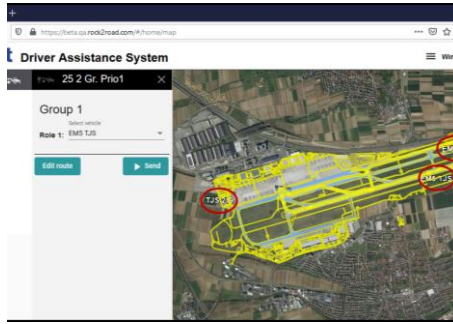
Easily record your routes



Blue markers show geo-events

When recording routes the geo-events can either be set manually via the display or automatically via the control panel of the jet sweeper. While recording, the system also registers the geo-events (activities of plough, brush and blower). Subsequently the routes are synchronised via the cloud and can be replayed at any time or location. If an airport does not have a map available the driver starts by recording its outlines first.

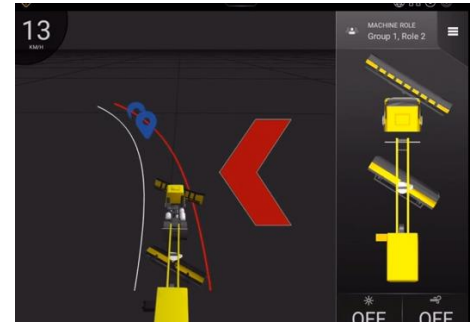
Simple editing of recorded routes



Overview of all active machines

The web editor allows recorded routes to be corrected or divided into segments, which can then be assigned. In addition the web editor provides a real-time overview of all active machines.

Guided operation improves efficiency & safety



Red arrow guides driver, night mode is active

When driving with the Driver Assistance System the predicted route incl. its geo-events is shown on the screen. The geo-events indicate the correct operation mode of the machine and, if the driver leaves the path, red arrows show how to return to the correct path. When operating with two or more machines in a fleet, drivers can also benefit from dynamic route adjustment. This means the system reports any deviation from a defined route or operation of vehicles in front, enabling the following ones to adjust their operation plan and make sure there is no gap in clearing coverage.

Your future starts today

It's not about track and trace anymore; it's about doing the right job at the right time. With the Aebi Schmidt Driver Assistance System, the winter operation manager always has an overview of the position and activity of individual vehicles. Drivers benefit from real-time advice and information on both driving behaviour and machine positions. As a result, the effort of coordination is largely eliminated and safety is increased.

**Sustainably
reduce your TCO (Total
Cost of Ownership).**

**Save costs thanks to
reduced training
requirements and
fewer accidents.**

**Improve customer
satisfaction thanks to
higher clearing
efficiency meaning
shorter operation time.**



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