



# Airport Assistant

De-icing guidance system



Airport Assistant supports the machine operator at the airport with the help of GPS technology for surface preparation and spraying agent consumption. It displays in real time the treated and untreated surfaces and the best way to drive off the treated surfaces so that they can be quickly released for air traffic. The spraying width is adjusted completely automatically to the respective situation, taking into account overlaps in the spraying pattern.

## Highlights

- **Two functions:** A guidance system and a spray control system.
- **Real time:** Display of de-iced areas, as well as a clear overview of untreated areas.
- **Fully automatic:** Spraying width is adjusted to the respective situation.
- **Safety first:** Switch to manual control at any time.

## Your benefits

- **Increased safety:** A better degree of surface coverage of the runways and airport ramps.
- **Cost saving:** The spray control system decreases the amount of de-icing agent used.
- **Improved efficiency:** The driver receives optimal driving instructions.

## Features

### Guidance system

The guidance system provides precise and real-time information about treated and untreated surfaces. The colour display shows the exact position of the machine on a map. A clear LED bar gives the driving instructions, which are calculated based on the driving speed and GPS signals. The treated and overlapping areas are each displayed in a different colour. In this way, the system supports efficient and safe comprehensive de-icing.



### Spray control system

The spray control system reduces the consumption of de-icing agents by identifying the areas that have already been treated using GPS signals and the current spraying width. At the same time, the system plans ahead and calculates which areas still need to be covered. The spraying width is automatically adjusted by the fully automatic switching on and off of spraying sections on the machine. The safety of the airport is the top priority, with an overlap in the spraying pattern being automatically taken into account. It is also possible to switch to manual control at any time.



 **aebi schmidt**  
group

Aebi Schmidt Holding AG  
Leutschenbachstrasse 52  
CH-8050 Zurich, Switzerland  
Phone: +41 44 308 58 00  
[www.aebi-schmidt.com](http://www.aebi-schmidt.com)

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