Efficient Winter Services through Local Measurement Technology

FES Frankfurter Entsorgungs- und Service GmbH

The FES relies on IoT technologies to optimize its winter services in the city of Frankfurt, Germany.

At a glance

FES **Frankfurter Entsorgungs- und Service GmbH** relies on **weather stations from Weather Solutions** to optimize their winter service operations. These stations enable precise monitoring of road conditions and assist the FES in deployment planning.

Thanks to the advanced road weather stations from Weather Solutions, the FES was able to effectively optimize its winter service operations

300+
Employees

773,000
Inhabitants

100+
Service Vehicles

THE CHALLENGE

Every year, the FES faces significant personnel and organizational challenges during the winter season. The diverse topography of the city and the various deployment locations require extensive coordination, planning, and staffing efforts.

We cannot simultaneously attend to all the extensive areas in Frankfurt. Thanks to advanced measurement technology and app-based data access, we can effectively track the situation. For example, if an employee is located several kilometers away, the app helps by providing real-time information, so they don't have to leave in the middle of the night without knowing what to expect, saving both time and effort.

Christoph Rembow, Head of Winter Services
FES Frankfurter Entsorgungs- und Service GmbH

THE SOLUTION

The FES relies on our road weather stations, which can be installed on local infrastructure and are equipped with a non-contact roadway sensor, a compact weather station, and a camera. These stations provide all the relevant winter service measurements, even in case of damage. This facilitates the planning of inspection trips and optimizes personnel deployment during the night hours.

Continuous monitoring of critical areas

Minimizing inspection trips

Alerting in critical conditions

weather solutions
Because you *need* to know

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