



# Expert weather insights promote safe and efficient airport operations

Seattle-Tacoma International Airport, Seattle, WA

**"The system is user-friendly.  
We don't have to dig for  
information."**

Seattle-Tacoma  
International Airport

Seattle-Tacoma International Airport (Sea-Tac) is the nation's 18th busiest airport, handling more than 31 million passengers per year. Sea-Tac is located in the Pacific Northwest, with the Pacific Ocean to the west and mountains on both the west and east sides.

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**"WeatherSentry® Airport Operations allows us to apply chemicals safely and efficiently. With our system, we are able to time chemical applications as close to freezing and save on chemical costs."**

### **What they were up against.**

Due to Sea-Tac's location between mountains and near the ocean, the airport is susceptible to rain, ice, and snow at a moment's notice. These weather conditions can be hazardous for airline employees and passengers if adjustments and precautions aren't made in a timely fashion.

### **What we did to help.**

Sea-Tac chose WeatherSentry Airport Operations Edition with WeatherSentry Mobile technology and Lightning Manager® to monitor weather conditions and make operations decisions. The solutions from DTN help Sea-Tac meet FAA requirements and mitigate the impact of weather on flights and ground operations.

### **What the impact was.**

Sea-Tac now has the accurate weather insights it needs to monitor its runways and execute efficient ground operations.

Sea-Tac utilizes three temperature sensors in each of its runways, giving it a live look at runway temperature information. These insights prove extremely valuable, especially during freezing temperatures. With the weather insights from DTN, Sea-Tac ground crews can see when the pavement will freeze and know when to apply chemical to the airfield. This helps them save money and keep runways clear and safe for airline employees and passengers.

Although the weather solutions from DTN were purchased primarily for the winter months in Seattle, Sea-Tac staff have found the weather insights helpful in the summer as well. They rely on Lightning Manager to let them know when lightning strikes are within five miles of their location, so they know to suspend fueling operations.

When Sea-Tac employees need professional advice on weather conditions, they can contact an experienced DTN meteorologist by phone around the clock. Having expert weather insights whenever they need it is critical to running a safe and efficient operation.