

## Airport Weather Services



### Airport Ground Operations Weather Decision Support

*Reducing Costs by Effectively Managing the Weather Risk*

At StormGeo, we understand that managing an airport is a highly complex operation that requires careful planning and access to accurate and easily-interpreted weather information. Our comprehensive weather decision support service helps airport stakeholders rapidly assess the weather risk and proactively manage all potential disruptions.

#### Complete Weather Decision Support

StormGeo offers peace of mind to our aviation customers, ensuring that weather conditions at the airport are continuously monitored by our team of expert aviation meteorologists. With the combination of a weather web portal that is hand-held device compatible, SMS and e-mail weather alerts and 24/7/365 telephone access to our forecast desk, we minimise exposure to weather.

#### Weather Risk Dashboard – More than just a forecast

StormGeo goes one step further than providing standard weather information. We match forecast weather conditions to the airport’s operating limits. We identify operational weather windows, periods of restriction and the level of risk.

The Weather Risk Dashboard is presented in an intuitive traffic light format in the web portal. This allows operational staff to identify at a glance any potential restrictions out to 5 days ahead. A simple click on the dashboard allows users to delve into the forecast detail and plan operations accordingly.

What we do	Why?
Avoid unnecessary runway treatments	Save costs & minimize environmental impact
Reduce flight delays	Happy travelers
Minimize closure periods	Positive media coverage
Increase passenger safety	Peace of mind & positive feedback from authorities
Improve clearance operations for runways, access roads & car parks	Increase accessibility with streamlined internal planning; minimize time & resources
Manage safety of gangways, bridges & walkways	Ensure public safety
Assist with flight planning	Greater accuracy organizing flight logistics

Locations		Mon	Tue												Wed																									
		22:00- 21:00	23:00- 00:00	00:00- 01:00	01:00- 02:00	02:00- 03:00	03:00- 04:00	04:00- 05:00	05:00- 06:00	06:00- 07:00	07:00- 08:00	08:00- 09:00	09:00- 10:00	10:00- 11:00	11:00- 12:00	12:00- 13:00	13:00- 14:00	14:00- 15:00	15:00- 16:00	16:00- 17:00	17:00- 18:00	18:00- 19:00	19:00- 20:00	20:00- 21:00	21:00- 22:00	22:00- 23:00	23:00- 00:00	00:00- 01:00	01:00- 02:00	02:00- 03:00	03:00- 04:00	04:00- 05:00	05:00- 06:00	06:00- 07:00	07:00- 08:00	08:00- 09:00				
Airport	Strong Wind	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
	Gale Force Winds	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	Heavy Rain	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	Air Temperature	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
	Cloud base	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	Runway Readiness	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red
	Visibility	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	Thunderstorm	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	Snow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

The Weather Risk Dashboard can be configured to highlight threshold exceedance of each airport operation or by individual weather parameters.

## StormGeo's Airport Weather Service Includes:

### A Dedicated Web Portal With...

- ◆ A Weather Risk Dashboard for rapid assessment of restrictions to each weather parameter/operation
- ◆ 5-day ahead detailed airport forecasts to assist in decision-making
- ◆ Presentation of airport observations vs. forecast graphs to assess the latest conditions
- ◆ Ice/snow prediction forecasts for runways, car parks & roads
- ◆ Map overview with overlay of relevant weather fields (e.g. lightning, fog, rainfall/snow, winds etc.)
- ◆ Video Brief for additional detail on timing/intensity etc. of adverse weather
- ◆ TAF/METAR available globally
- ◆ Flight delay status dashboards providing an overview of alternate/diversion airports worldwide
- ◆ No restrictions on numbers of user logins
- ◆ Mobile phone and tablet compatible for those on the move around the airport
- ◆ Web portal tailored to each individual airport's requirements
- ◆ All forecasts quality controlled and monitored by our specialist aviation meteorologists

### Email and/or SMS Delivery of...

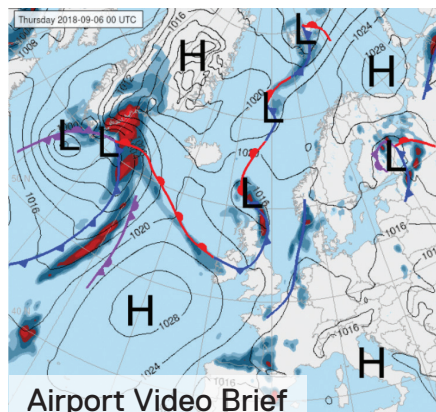
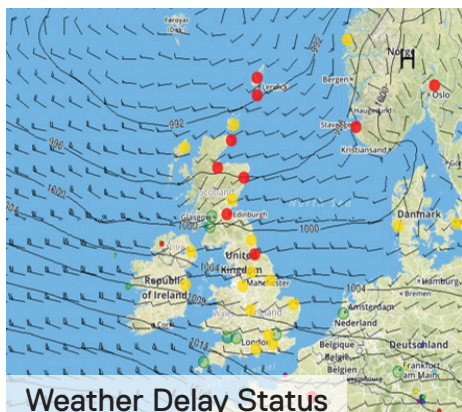
- ◆ Alarms of onset/cessation of lightning strikes and/or other weather warning parameters
- ◆ An operation instruction can be attached to the alarms

### 24/7/365 Aviation Specialist Forecaster Support for consultancy on all operational matters



### + Enquiries

For service enquiries, contact  
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