The Met Office aircraft de-icing prediction service is a decisional support tool designed to assist airline operations in managing global de-icing activities both efficiently and effectively.

Our de-icing prediction service is proven to reduce customers’ icing delays by 84%, leading to a 30% reduction in costs.
Using our aircraft de-icing service

This flexible service provides a website that shows detailed forecasts of icing for the next 30 hours, along with the associated fluid holdover times. A colour-coded ‘traffic light’ display of conditions for the forthcoming five days enables efficient resource planning. For ease of interpretation, a detailed graph displays the relevant parameters for each of your individual network locations for the current 24-hour period. This includes:

- Temperature.
- Dew point.
- Weather type – including frost, snow and freezing rain.
- Forecast holdover times for different de-icing fluids.

De-icing™ is also able to deliver icing alerts directly to your operations team and de-icing provider, giving instructions on when to apply de-icing or anti-icing treatments. These alerts can be either automated for one-three days or sent out by a forecaster, via email or text, as you prefer.

Key features

- Clear overview table displaying the de-icing conditions for your subscribed airports for the next five days.
- Easy-to-interpret graph showing the three weather parameters, over a 36-hour period.
- A holdover chart informing you of the associated holdover times for each of the available fluid types.
- Ability to set up alerts that can be sent out via email or text message.

“...We have found the forecasting service to be a valuable tool in helping us plan both our long and short term resource requirements in an efficient manner, ensuring we can meet our planned operational demands. We have also been able to reduce wastage of resources (fluids, equipment, manpower) as a result of the accurate forecasting service...”

Dominic Ryan, Director of Maintenance and Engineering, Aer Lingus

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Key benefits

- De-icing alerts relevant to your network.
- Improved aircraft turnaround times.
- Improved punctuality.
- Improved operational efficiency.
- Better environmental management.

Proven to lower your costs and minimise delays, our aircraft de-icing service is an integral part of the planning process, guaranteed to maximise the efficiency of every airline’s operations.

Training for the aviation industry

Did you know?

As leaders in aviation meteorology, we have developed a wide range of training courses to help the industry better understand and interpret our forecasts. Courses can be delivered at the Met Office College or at your premises.

Email moc-enquiries@metoffice.gov.uk to find out more.

Talk to a forecaster

Our forecasters are on hand, 24/7, to give you additional reassurance when you need it most.

Email aviation@metoffice.gov.uk if you would like to discover more.

Reduce delays with De-icing™

For more information, or to arrange a demonstration, please call our 24-hour Customer Centre on 0870 900 0100 or +44 (0)1392 885680, or email aviation@metoffice.gov.uk.