Vaisala Global Lightning Dataset GLD360

Instantly detect lightning and convective activity anywhere over land and sea. Delivered as a dedicated data stream – no investment in hardware necessary.

Vaisala Global Lightning Dataset GLD360 is a service that provides real-time lightning data for accurate, early detection and tracking of severe weather. GLD360 offers unbeatable long-range coverage and location accuracy.

Improve early warnings and operational effectiveness

Currently, long-range severe weather detection is limited by data gaps. These significant data gaps lead to late or no warnings for people, ships and planes.

The data provided by the GLD360 are generated by a Vaisala owned and operated worldwide network.

Fill the gaps in your radar coverage. Greatly enhance your forecasting and early warnings capability for high seas, thunderstorms and cyclones. Besides safety, this ability improves operational efficiency, such as with transportation route optimization and accurate warnings.

Better than satellites

With the GLD360 there are no data gaps. Get complete uniform global coverage – unlike satellite or radar.

Cloud-to-ground and cloud lightning are detected instantly, and data is delivered in less than one minute.

Benefits

Detect in real-time, everywhere:

- First truly global and accurate lightning coverage.

No investment in hardware:

- The GLD360 is offered as a service. There is no need to own equipment and no maintenance concerns.

Fast delivery:

- Begin receiving data in less than a week, which enables you to quickly provide better a service to your end-users.

Uniform global coverage.
Up and running in a week.

Detect lightning within seconds after it happens, anywhere over land and sea. The GLD360's accuracy exceeds all other long-range systems, including satellite data. It detects about 8 out of 10 cloud-to-ground lightning flashes worldwide and a significant fraction of cloud lightning flashes, with a location accuracy of 2 to 3 km.

Cover any geographical area you want

Whether you are looking for a global or local scope, there are only four steps:

- Choose any area, including oceans, you want to cover.
- We set up a secure data connection.
- Within one week you can begin to receive a continuous 24/7 lightning data stream or Vaisala's Thunderstorm Manager software with GLD360 data without the need for new sensor installations.
- Incorporate the data into your weather models to enhance your services and forecasting performance.
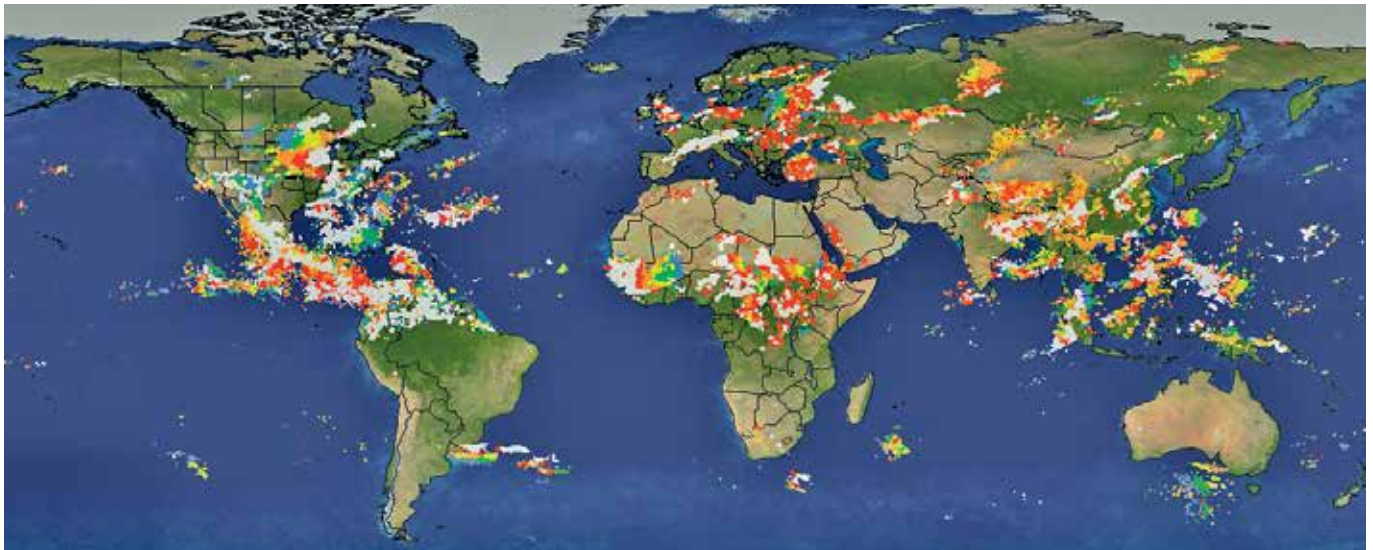
Available now

Start immediately. The service is offered for an annual fee which depends on the size of the area covered.

The data set is licensed for your own specified usage.

To get more information and to test the GLD360, or our Thunderstorm Manager software with GLD360 data please contact your Vaisala Sales Manager.

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Please contact us at
www.vaisala.com/requestinfo

www.vaisala.com

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