

Vaisala Global Lightning Detection Network GLD360

VAISALA

Product Spotlight

Providing trusted weather observations for a sustainable future

Vaisala Global Lightning Detection Network GLD360 delivers reliable lightning data for warning applications, so you can balance operational efficiency with employee and public safety anywhere in the world. GLD360 data is trusted by meteorological, governmental, and commercial entities that really understand lightning and recognize the importance of data quality on their activities.



Key benefits

A single source for global coverage that captures lightning and storm data for even the most remote locations on land or on sea and lets you access it when and where you need it.

Flexible, fast data delivery that can be available in real time (~30-second latency).

Industry-leading performance in detecting all thunderstorms with unmatched cloud and cloud-to-ground flash detection efficiency and location accuracy.

Comprehensive, actionable data that can be utilized to make well-informed operational safety decisions, as well as to support forecast and meteorological applications.

Why Vaisala?

As the global leader in weather and environmental measurements, Vaisala provides trusted weather observations for a sustainable future. With over 85 years of experience and customers in 170+ countries, from the North and South Poles to Mars, we help provide the most reliable and accurate weather and climate information for better and safer daily lives.

Our instruments and intelligence are known as the gold standard for precision and reliability. As a sustainability leader we enable meteorology professionals to better understand, forecast and explain climate change. We continue to channel our curiosity into climate action and new ways of enabling a better planet for all.

Vaisala GLD360 offers unmatched detection efficiency and industry-leading location accuracy from a global sensor network that can detect thunderstorms, track their trajectory and intensity, and support hazardous weather warnings – even outside the range of radars. The GLD360 network is a single network of sensors, designed to provide uninterrupted global coverage, that detects lightning wherever it occurs on land or sea and makes that data available in real time. For meteorological and commercial organizations that need to incorporate thunderstorm data into their daily operations, it provides excellent quality and consistent information for local, national, and global applications.

Applications:

- Implementing standardized lightning safety procedures in a single location or across global facilities to optimize safety and operational efficiency
- Providing instant access to the highest quality real-time lightning data for any national meteorological agency, in any country
- Establishing an early warning system to alert people about hazardous weather conditions and lightning
- Providing critical information for electric power transmission companies to prepare for storm events, to support system reliability
- Delivering data for meteorological applications, hazardous weather forecasting, and emergency management

