

Follow every thunderstorm in real-time

LINET view visualizes and analyzes the current or any historical thunderstorm situation in your web-browser. Not only are strokes, thunder cells and nowcasting displayed on the map, but also customer-specific elements and alarm areas. The application is easy to use for operational staff and provides many tools for managing thunderstorm related risks.

Users of LINET view are able to organize protection of workers outdoors, safety of events and sites, prompt identification of lightning-induced damages, as well as the immediate implementation of repair measures.

"The precise and comprehensive lightning data provided by nowcast form an essential source of information for extremely short-term forecasting and when issuing storm warnings. The precise information is required for aeronautical meteorological services and the creation of climatological expert opinions."

German Meteorological Service (DWD)

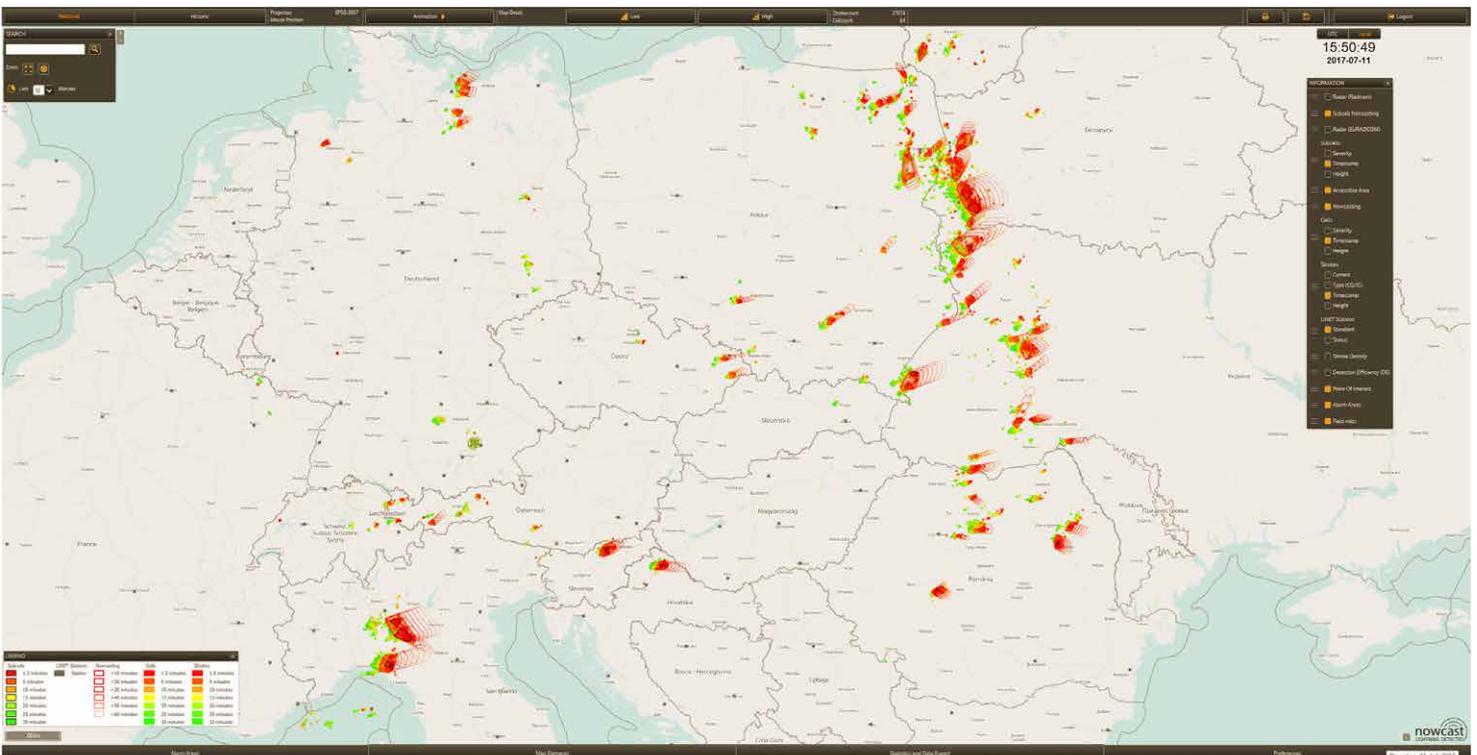
MANAGE YOUR LIGHTNING INFORMATION

The development and movement of any thunderstorm is clearly visible and allows for taking critical decisions in all lightning related issues. Users are able to create individual alarm areas in order to receive alerts up to two hours ahead of time in case a thunderstorm is approaching the area of interest.

Besides lightning data, LINET view can also display other layers such as radar and data of electrostatic field mills. These data may be used to enrich the alert's accuracy.

REAL-TIME AND HISTORICAL DATA

In addition to the current weather situation in real-time, since records began, historical data can also be displayed. Up to 48 hours at a stretch can be visualized on the map. Every single lightning stroke is plotted. The color of the individual strokes provides information about the timing, typology of the strokes as intra-cloud or cloud-to-ground strokes, or the height of the intra-cloud strokes. A screened stroke-density display is also available for selection.



ADVANTAGES

- ▶ Real-time lightning data for the evaluation of malfunctions caused by thunderstorms
- ▶ Early-warning of approaching thunderstorms with nowcast's rTNT algorithm up to 2 hours in advance
- ▶ Countdown, estimated time of arrival (ETA), duration and estimated time of departure (ETD) of a thunderstorm
- ▶ Evaluation of lightning-protection measures
- ▶ Evidence of lightning-induced damages
- ▶ Increased safety with electrostatic field mills
- ▶ Easy customization for your specific needs

ALARM AREAS AND WARNING FUNCTION

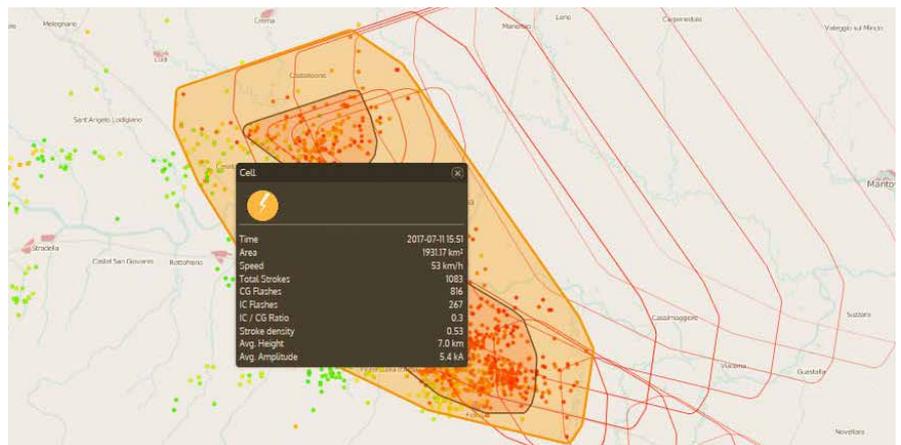
For the surveillance of weather-sensitive facilities, every user can individually plot „points of interest“ and regions – either interactively using the mouse, or by uploading a shape file. These areas then serve as the basis for an alarm area. Should a storm approach an alarm area, the user is automatically informed via email, text message, an audible or visual alarm.

CELL-TRACKING AND NOWCASTING rTNT

Based on the analysis of real-time lightning data, Cell Tracking and Nowcasting allow for the exact determination of the position of a thunderstorm, and the precise local and chronological short-term forecasting of the thunderstorm development. LINET view has fully integrated all advantages of rTNT real-time thunderstorm tracking and nowcasting providing fastest-possible alerts.

STATISTICS

The statistics tool analyzes the lightning data of the area selected and provides information on flash distribution (frequency of cloud-to-ground and intra-cloud strokes per time unit), amplitude distribution (kA) and height distribution of the intra-cloud strokes (km). The statistics window is updated in real-time, critical developments can be recognized easily by the user.



WHO BENEFITS?

LINET view is the perfect application for the surveillance of your weather-sensitive facilities or operations. **Weather services, energy suppliers, the military** and various other sectors also rely on LINET view as a control and reference system.

Airports make use of LINET view in order to reduce the duration of turnaround stops to an absolute minimum. **Air Traffic Control** companies favor nowcast's real-time Tracking and Nowcasting of Thunderstorms algorithm (rTNT) for the perfect scheduling of their activities. Via individual alarm areas, users receive a warning as early as two hours prior to the calculated time of arrival of a storm.

On oil rigs, LINET view facilitates – in addition to the general storm warnings – the supervision of supply lines via air and water, the co-ordination of work activities outdoors for the prevention of lightning-induced hazards, as well as the optimization of lightning protection measures.

Further user groups include railway companies (rail network), wind parks, operators of pipelines or transmission lines, the leisure industry, event organizers (open-air), operators of weather-sensitive facilities, and all other weather-dependent sectors.

TEST OUR PRODUCTS

Experience the quality of our lightning data yourself. We would be pleased to provide you with a free trial. Contact us:

+49 89 5529 713 70
info@nowcast.de