

# Lightning Alarm Service

A REAL-TIME I-BOLT SERVICE

## GOAL : MANAGE THE LIGHTNING RISK

Apply the relevant procedures on your site during thunderstorms, to protect the people, to secure equipments, to maintain your facilities in operational conditions.

## PRINCIPLE

Meteorage is the operator of a large real-time lightning detection network.

Meteorage proposes a Lightning Alarm Service, on a yearly subscription, with a very simple access and no necessary additional equipment on your site and no maintenance.

The Lightning Alarm Service warns you of the arrival and the leave of a thunderstorm in the vicinity of your site, on a mobile or by email.

## WATCH AREA

The Alarm Service watches for lightning far beyond the limits of your site to give a sufficient advance notice.

The shape and size of the watch area are determined according to your needs and requirements.

Direct effects (direct stroke of lightning) and indirect effects (conduction, induction) are taken into account.

The advance notice appropriate to apply the relevant safety procedures on your site is evaluated.

Centre of the area :

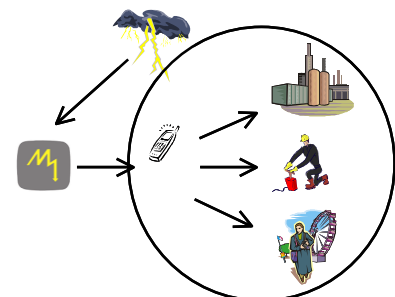
- your site with the possible addition of the power line which causes surges, voltage drops, micro cuts or outages.

Shape of the area :

- Circle
- Polygon
- Concentric circles or ring (for an optional 2-level alarm, with extra-cost for this option)

Size of the area :

- Depending on the requirements, typically a 15-mile (24 km) radius.



## SERVICE OPERATION

Your site is under constant watch, 24/7.

The Alarm Service is fully automated including the message dispatch. A digital voice delivers the alarm notice on the mobile.



#### Beginning of an alarm:

The first lightning stroke detected inside the watch area triggers the alarm on. An Alarm notice is immediately sent to you.

The message can be customized for you.

If required, the alarm notice can be triggered only on the second lightning stroke inside the watch area, or when a defined stroke density is reached on this area.

#### End of an alarm:

The alarm lapses after a safety time interval with no lightning stroke inside the watch area. An alarm-off message is immediately sent to you.

The safety time interval can be adapted to your needs and requirements.

## MEDIA

- Media : mobile or e-mail.
- Different mobile numbers and e-mail addresses can be used in parallel or as a backup.
- Up to 3 call tries per media if the call is not answered or the line is not available.
- Agenda included, with the possibility to program a different media or no message, depending on the day and the time of the day.

Typically, the Alarm Service sends the messages to the identified main media, or if it fails, to the backup media. The messages can be broadcast on 2 or more media, at extra cost.

## ALARMS RECORD

You can check 24/7 online your Alarm web account for the current state (on or off Alarm) of your site. You can also consult there the full record of all the messages for your area, updated after each message treatment. This information is available for the present year of subscription and the former one.

Access is protected by your personal access code.

## OPTIONS

- Live Visualization: you can visualize online, at any time and in real-time, the lightning strokes located on your watch area, at extra cost.
- Map: at the end of each thunderstorm, you get a map with all lightning strokes located in your watch area during the alarm-on period, at extra cost.

## CONTACT AND ORDER

- Contact Météorage by phone in the UK (+44 (0)8455 829 839) or in France (+33 (0)559 809 839) or by email at [commercial@meteorage.co.uk](mailto:commercial@meteorage.co.uk).
- Requirements: email address or dedicated mobile.
- Price: yearly subscription, from £1990 per year, no VAT.

This price is an indication, but it may be modified at any time and without notice.

- Availability: 1 week after reception of your order at Météorage Head Office (except options).