

CASE STUDY



Inspection, maintenance and Installation of new lighting systems

Installation: Drinking water treatment plants in water distribution company in Catalonia

Project: Inspection, maintenance and installation of new lighting systems

Client: Confidential

Date: 2016

Inspection and maintenance of 15 lightning rods in drinking water treatment plants in Catalonia

Procainsa SA is a specialist company in the design, inspection and maintenance of lightning systems according to UNE-21.186-11: "Protection of structures, buildings and open areas with early streamer emission lightning".

Initially, in this project, Procainsa SA carried out the inspection and maintenance work of 15 lightning rods installed in water distribution facilities in Catalonia.

During this work all the auxiliary installations of the lightning (mast, head ... etc), and also the grounding value of the lightning systems were reviewed. Corrective maintenance and suggestions for maintaining effective protection were subsequently indicated, including improvement of the grounding system.

Procainsa SA has extensive experience in the design, inspection and maintenance of grounding systems. The grounding systems are the main installation to ensure the safety of personnel, equipment, facilities and assets of companies.



Overview of lightning next to solar panels in drinking water treatment plants

The inspection revealed the lack of coverage in some of the installations, and new lightning systems were installed in order to guarantee the best coverage of the water installations.

Maintenance Manager - "Our relationship with Procainsa SA extends for over 10 years, trusting on them the inspection and maintenance of our lightning systems".