

# CASE STUDY



## Grounding systems inspection in chemical plant

**Installation:** Chemical Plant

**Project:** Grounding systems inspection in chemical plant for PVC transmission pipelines

**Client:** Confidential

**Date:** 2016

## Grounding Systems inspection in Chemical plant for PVC transmission pipelines

Procainsa SA carried out the grounding systems inspection in a chemical plant for PVC transmission pipelines.

The scope consisted of:

- Check the suitability of low resistance values in the grounding systems of two PVC transmission pipelines and accessories, from manufacture to the packaging facilities.
- Check the electrical continuity in the installations, in order to be able to minimize the occurrence of static electricity charge in the product.



**General view of measurement points**

Finally, a recommendations list was included to maintain the grounding system in accordance with the Spanish legislations.

Good grounding systems, with low resistance values, will help the dissipation and not generation of points with different potential to avoid the static electricity issues.

**Installation Manager - Our HSE department has pointed out the static electricity issues and asked about the current status of the grounding system in the chemical plant. Procainsa SA helped us to understand the electricity problems and checked the entire grounding systems.**