

Asphalt Plant overcomes environmental extremes by incorporating SolaHD™ Surge Protection Devices by Emerson

RESULTS

- Improved plant availability
- Increased production by alleviating downtime due to outages from storms/lightning
- Significant financial savings as equipment is no longer damaged and needing replacement



APPLICATION

Asphalt Plant

CHALLENGE

Mother Nature tests a West Texas Asphalt Plant with frequent spring storms. Some of the storms and lightning were so severe they caused regular shutdowns due to surge events. In addition to lost production time, the plant was also experiencing damaged equipment. With each shutdown, a significant financial loss was faced due to equipment replacements and lost production.

SOLUTION

Emerson comes to the rescue offering comprehensive defensive strategies with SolaHD Surge Protection Devices and Tracking Filters. During a full site review, the Surge Protection Assessment Guide and Checklist assisted in identifying locations of potential weaknesses to transients. Emerson was then able to specify the proper surge protection solutions for the plant, with a focus on ensuring safe operation during inclement weather. Surge protection devices were installed at the service entrance and all critical branch locations for the office, plant, and control room. DIN Rail surge protection devices were also added to control panels in the motor control center and control room, adding another layer of protection to critical equipment. With the addition of the SolaHD Surge Protection Devices and Tracking Filters by Emerson, the West Texas Asphalt Plant was now protected from internal and external transients, resulting in improved plant availability, increased production, and the financial savings of no longer replacing damaged equipment after each storm.

SolaHD Surge Protection Devices and Tracking Filters by Emerson protect asphalt plant equipment from transient surges



Emerson Automation Solutions
9377 West Higgins Road
Rosemont, IL 60018
+1 800 621 1506

The Emerson logo is a trademark and service mark of Emerson Electric Co.
The SolaHD trademark is registered in the U.S and other countries
© 2021 Emerson Electric Co.

SOLAHD™

For more information:
www.Emerson.com/Appleton


EMERSON™