

**CHILLER WEATHERPROOFING & EXPLOSION PROOFING
FOR EXTERNAL HARSH ENVIRONMENT**

PROJECT BRIEF

U.S. Gypsum's (USG) mine and wallboard manufacturing facility in Plaster City, CA recently needed to add a chiller for process cooling.

This mine and factory are located in the dusty, desert environment of Southern California. And the chiller was to be set outside due to indoor space limitations.

In this harsh environment, Hunton Trane Services' solution was to weatherproof and explosion-proof the chiller – Trane model CVHE0570 – as follows:

- Epoxy polyurethane coating on entire machine
- Weatherproof NEMA 4 enclosures applied for:
 - Control panel
 - Motor terminal box
- All wiring external of control panel in conduit
- Machine insulated with Armaflex, then sheathed with embossed aluminum jacketing

U.S. Gypsum now has the additional cooling it needs without taking up valuable interior space, and with a system completely protected from the elements.

Chiller modifications comprise over 50% of our CEP division's business, and we have extensive experience not only in weatherproofing, but with an array of chiller modifications. Typically, water-cooled chillers are designed for indoor use, so weatherproofing opens up multiple application opportunities.



Hunton Trane Services' Custom Engineered Products & Services division can help you with challenges that fall outside of the "normal" HVAC equipment boundaries.