



# HAZARDOUS AREA RETROFIT

Application Sheet #5

## CUSTOMER VALUE

### SITUATION

- Customer purchased solar chemical pumps and installed the pump inside the Vault containment in case of any leaks, to ensure zero chance of a spill. The equipment they purchased was not electrically compliant for hazardous areas.
- The area inside an enclosure is a C1D1 (Class 1 Division 1) area; because, of the potential for flammable gases from the chemical or well being present. Nearby the wellhead is also considered a hazardous area, but C1D2.
- This created a safety concern.

### SOLUTION

- Customer has installed Sirius Comet injection pumps in the containment that are rated for C1D1 locations.
- The general purpose timer, wiring, connectors and solar panel was upgraded to be compliant with the proper zone.

Reduce risk of explosion which could cause damage to equipment and personnel.

### RESULTS

- Customer is fully electrically compliant.
- Risk of personal injury to Operators is eliminated.
- Risk of incident causing damage is eliminated.
- The Sirius custom solution made the retrofit cost effective from an equipment and installation perspective.



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