# CASE STUDY

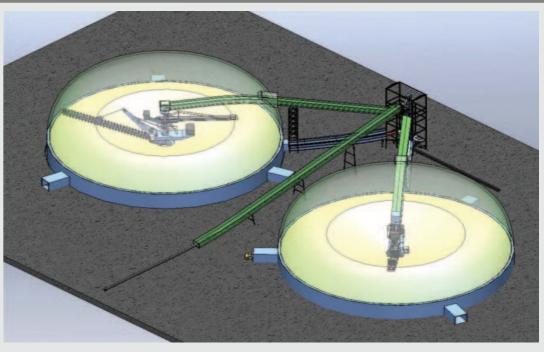
### Al-Zour Refinery Project (Kuwait)











In the first half of 2017, FDH JV, a Joint Venture composed by Fluor, Daewoo Engineering & Construction and Hyundai Heavy Industries, has selected Taim Weser for the supply of a solid sulphur Handling and Storage system for the Al-Zour Refinery Project (ZOR), to be commissioned by the Kuwait National Petroleum Company.

The project consists of the design, manufacture and supply of a Belt Conveying and Storage system in two circular stockpiles...

The conveying system also includes the related firefighting system, dedusting system and auxiliary equipment and the Circular Storage system includes two aluminum storage domes, equipped each one with a slewing/luffing boom stacker and a scraper reclaimer machine, cantilever type, and supported on a central column, around which it rotates. The equipment is contained inside a circular covered building.

The scope of supply of Ingeteam will consist of the electrical engineering definition of the power distribution and drives, automation, software, design and manufacturing, documentation, electrical installation supervision and commissioning of the following equipment:

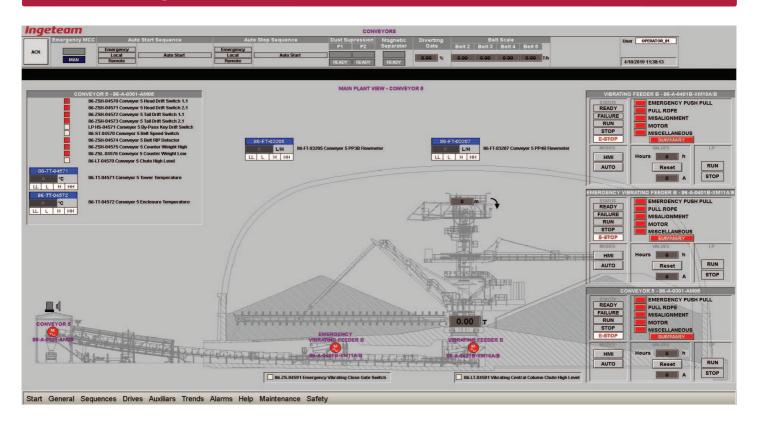
- 2x Electrical rooms in the area of storage sotckplies (Dome).
- 2x Drawout MCC for fixed and variable speed feeders for the storage stockpiles (Dome).
- 1x Drawout MCC for fixed and variable speed feeders for the conveyor belts.
- 3x PLCs: one per each storage stockpile (2 x Domes) and the third to control the conveyor.
- 4x Operator panels ( HMI ).
- Engineering station including development software.
- Development software licenses for the PLCs and HMI.
- Diagrams and documentation.
- Factory Acceptance Test (FAT).

#### Circular Stores





## **Plant View Diagram**



# **Communication Diagram**

