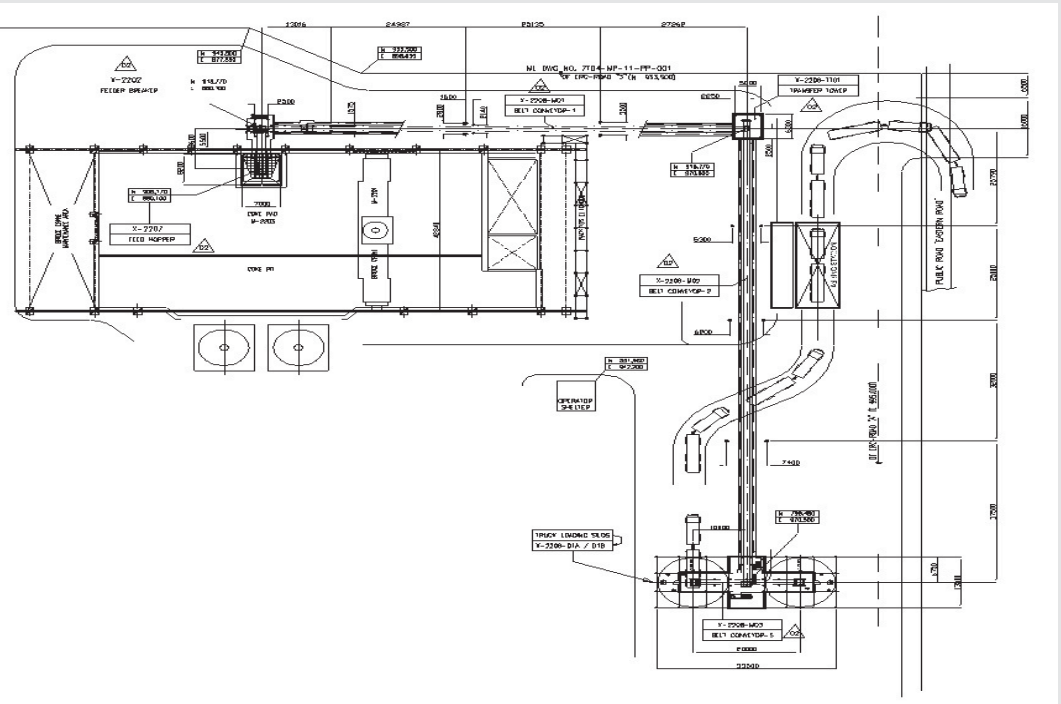
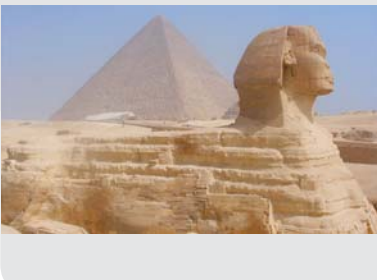


CASE

STUDY

Takrir Oil Refinery
(Egypt)



Ending 2014, Taim Weser S.A., company specialized in mechanical and machinery equipment intended for stockyard & conveying (bulk handling), granted the order for the supply of electrical and automation equipment for the new coke plant located in Egypt: Takrir Oil Refinery to Ingeteam Power Technology.

The equipment supplied by Taim Weser is intended to transfer the petroleum coke from the discharge pits where it is produced, to the hopper feeding, where Taim Weser has also supplied a special design coke belt conveyor system and the electrical, instrumentation and control equipment ensuring a safe operation of the area.

This equipment is designed to work in a highly aggressive environment and explosive atmosphere, with abrasive dust, so it is protected against heat, corrosion and dust, but also against explosive atmospheres according to the customer's requirements.

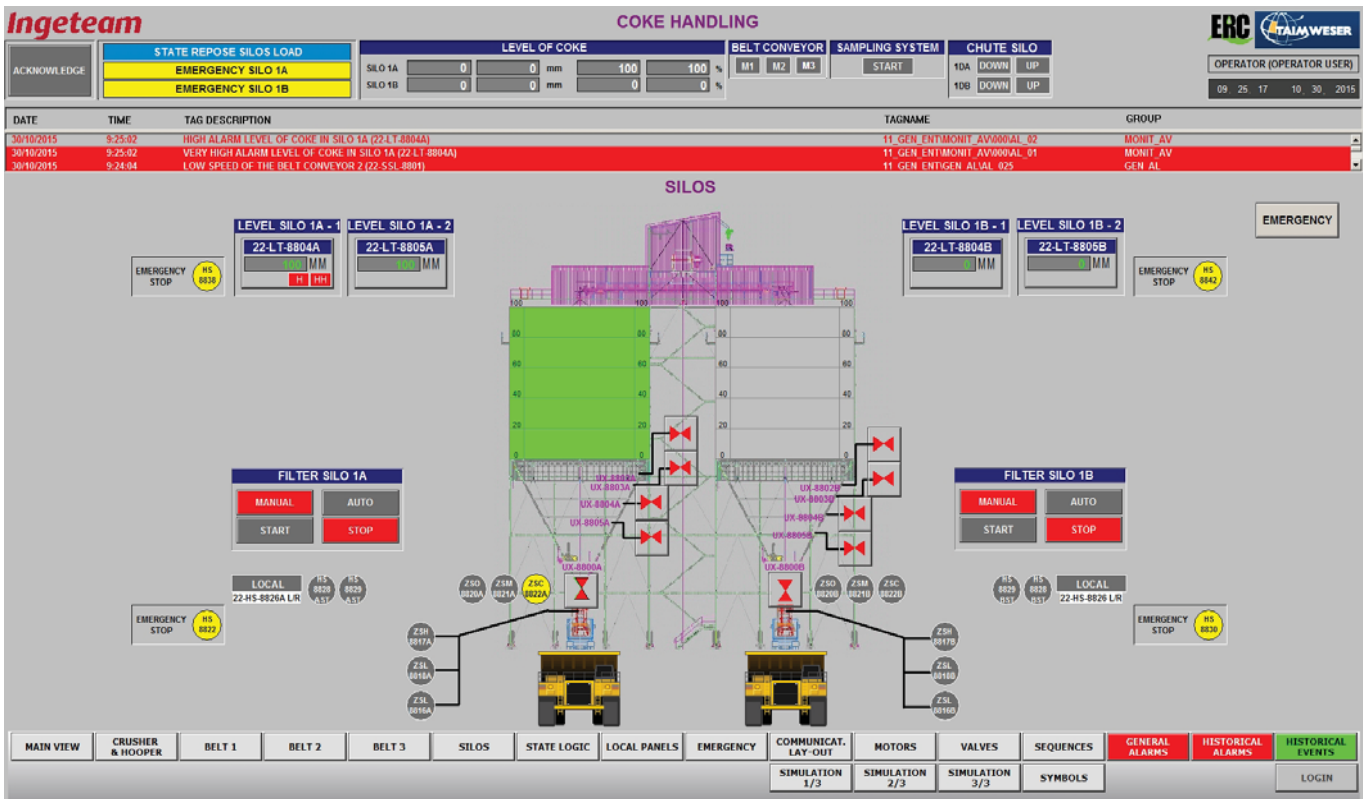
In the oil and gas sector, the customer requires that the equipment installed has to be ready to work continuously, that's why given its importance for the plant operation, the equipment supplied by Ingeteam in this project has been designed and manufactured according to the criteria and guidelines set by the highest international standards and procedures.

Ingeteam's scope of supply consist of the definition, electrical engineering, single and three lines diagrams, manufacturing, FAT test prior to shipment, documentation and commissioning works of the following equipment:

- Hardware and software control system (Rockwell PLC, redundant equipment, safety Rockwell PLC).
- AC/AC drives for belts conveyors system (ABB equipment).
- Control panels and electrical junction boxes for aggressive and explosive environments.
- Diagrams and documentation.
- Acceptance tests (FAT) in our facilities in Bilbao, prior to shipment.
- Supervision of installation, commissioning and training (training at site) at the refinery Takrir (Egypt)

Coke Handling

General Diagram



Communication Diagram

