



Furnace No. 1 Change Out Cost Estimating and Scheduling - Freeport McMoran

CLIENT

Freeport McMoran

ECM was approached by Freeport McMoRan (FMI) to develop a Class 5 estimate and a schedule for the replacement of one of their furnaces located at the El Paso FMI Copper and Gold Refinery Plant.

LOCATION

El Paso, TX

In order to complete the cost estimate and the preliminary schedule FMI provided ECM information from an identical and recently completed project with similar needs. The estimate consisted of the full replacement of the old furnace, which included demolishing and installing a new furnace, new electrical, water, gas and natural gas lines, installation of a new cargo elevator, preheater, CO analyzer, charging system and shaft furnace relining.

ROLE

Cost Estimation
Scheduling

The Class 5 Order of Magnitude Estimate served as a basis for reserving funds to replace the furnace, compare cost proposed by offerers, determine cost realism and reasonableness, determine if the offerers understood the scope and requirements, establish the owner's initial negotiation position, and develop a project schedule.

COST/SIZE

\$13.9 Million