

Oman Mining Company requested the possibility to extend the life of its refinery hence production line of copper for the next 5-6 years.

The refinery had suffered severe deterioration to the concrete resulting in.

1. Concrete erosion;
2. Deterioration of drain channel thus acid leakage to sub soil;
3. The acid reaction with the soil resulted in expansion of rock-bed under the basement and cell tanks caused an expansion to it. This expansion produced stresses underneath the structure, which resulted in elevation of cell supporting system thus effecting the levels.

Freyssinet proposed temporary remedial action which is based on.

1. Bring the cell tanks to operational stage through lifting.
2. Complete reinstatement of basement slab, drain channel, sump tank and all concrete pedestals .

## Repairs

### Sohar Copper Refinery Sohar, Oman



#### **Client**

OMCO

#### **Consultant**

Saipem

#### **Contractor**

Freyssinet

#### **Construction**

May – Sep 2012