



Ma'aden minerals industry complex is Saudi Arabia's first smelter, located in Dammam, the capital of Eastern province of Saudi Arabia. The industry complex is being developed by Saudi Arabian mining company Ma'aden and is also housing an alumina refinery and a rolling mill.

Minerals industry complex is situated 90km north of Jubail city on the Arabian Gulf coast.

Freyssinet scope was providing all PT design and pre-stressing works, PT materials, mast climbers and construction services for the aluminium smelter.

Freyssinet was operating the pre-stressing work with 636.47 net tons of pre-stressing strands and diverse types of C-range anchorage sets during 7 months. We also supplied and operate the mast climber system along silos.

Smelter was constructed as two high amperage potlines utilizing Pechiney AP technology and it is producing 740,000 tones of aluminium per year. The smelter is including a carbon plant for anode production, ingot cast house, material handling and supporting facilities.

New structures

Aluminium smelter

Ras al Khair - KSA



Client

Ma'aden Aluminum Company

Consultant

RTA Alesa Limited

Contractor

Samsung Saudi Arabia

Construction

Feb 2012 – Aug 2012