

Ma'aden Umm Wu'al Sulphuric Acid and Power Plant

Michael Angeli

SNC-Lavalin

SNC-Lavalin is a longstanding leader in the sulphuric acid industry, having successfully installed more than 60 plants around the world over the past 25 years. One of the largest sulphuric acid complexes in the world - the Umm Wu'al Sulphuric Acid and Power Plant Project for the Saudi Arabian Mining Company (Ma'aden) – was recently successfully commissioned. SNC-Lavalin provided full engineering and execution services and used industry-leading technology from MECS-DuPont.

The project was part of Ma'aden's Waad Al Shamal Phosphate Project to convert phosphate ore into various end products, primarily for the agricultural sector. The overall project facility is comprised of: three sulphur-burning sulphuric acid plants, each rated at 5,050 metric tonnes per day; one power plant using two steam turbine generators each producing 76MW of electricity; associated infrastructure and utility facilities; and associated tie-ins and interfaces with the existing plant.