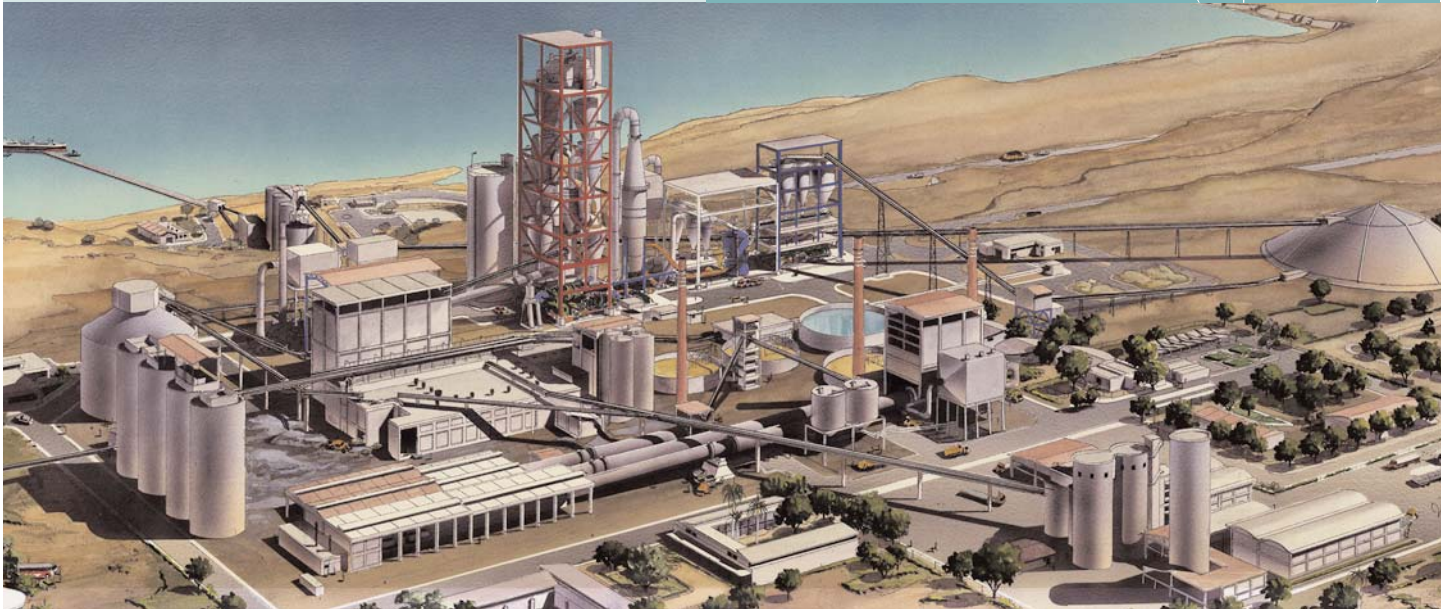


Feasibility Study for Cement Industry

Angola



Client

Nova Cimangola

Services Provided

- Feasibility study

Project Data

- Capacity of proposed kiln:
840,000 to 1,200,000 tonnes/year
- Estimated cost (2002):
US \$ 150 million

Dates

2000 - 2002

Main Features

Dar Al-Handasah carried out a pre-feasibility study to examine the viability of installing a 'dry' process kiln at the Cimangola cement works and to assess the export market potential of output from the plant.

The main tasks were:

- Assessment of domestic demand and export demand for clinker, and bulk and bagged cement in West and Central African markets
- Technical analyses of different kiln capacities including associated grinding plants, equipment and civil requirements schedule of construction and phases of execution
- Preparation of detailed estimates of capital and operating costs

- Evaluation of the economic and financial viability of the alternative technologies including the internal rate of return, the financial rate of return and net foreign exchange earnings
- Preparation of profit and loss statements, financial cash flow statements and balance sheets