



## PMT - Jose Upgrader

**Client:** SINCOR

**Location:** Venezuela

**Scope:** ID, AP, GC, GP, PL

**MH:** 550.000

**Disciplines involved:** Electrical, Mechanical, Piping Engineering.

**Description:** Increase the extra heavy crude oil capacity, through the construction of Surface facilities in Zuata (*San Diego de Cabrutica*) and JOSE Upgrader.

Project Management and Monitoring to produce 210.000 BSPD of extra heavy crude oil at 8.5 API.

The Upstream facilities comprised the following:

42 clusters 12/24 well each

12 multiphase pumping stations

195 Km. flow lines and pipelines: crude (Diameters: 30"/24"/16") and diluent (Diameters: 16" / 10" / 8" / 6" / 4")

110 Km. power lines 34,5 kV and optical fiber

Control System (SCADA)

Downstream facilities comprised the following:

10 process units and 2 corresponding to general service

Storage and Delivery areas

Administrative Complex Buildings

Support to procurement, Field Engineering, Inspection, QA/QC, Monitoring, Contract Administration, Planning, Monitoring the engineering executed by other parties.

