

Gas Compression Facilities at Centro Operativo ZAPATO MATA R

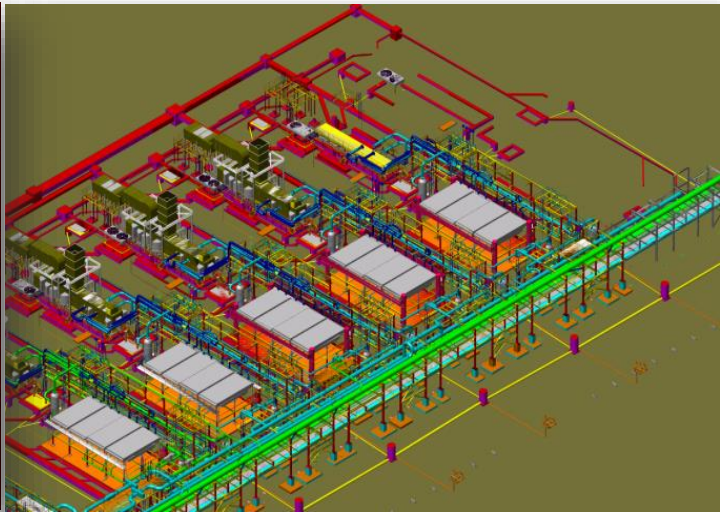
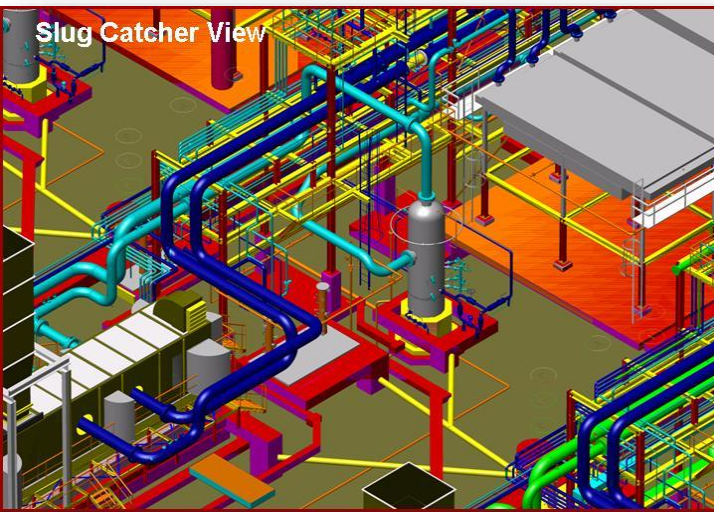
Client: TURBINES SOLAR DE VENEZUELA, C.A.

Location: Venezuela

Scope: ID

Type of facility: Gas compression.

Disciplines involved: Process, Mechanical, Piping, Electrical, A&C, Instrumentation & Control and Civil-structural.



Description: As a part of the Gas development Project (480MMSCFD) provided by PDVSA in the Western area of Venezuela, a High and Low-pressure Gas Compression System was designed for the Compression facilities.

Development of Detailed Engineering for 9 compression trains located in the operative center *Zapato Mata R*, such Project shall be developed by using PDS 3D tools.

This engineering was part of the Project executed by Solar Turbines of PDVSA GAS ANACO Project. The scope included four (4) low-pressure compression trains and five (5) in high pressure, handling the amount of 477 MMSCFD of gas for the increase to 1250 psig and 120°F, also, the auxiliary equipment as cooling systems, containers, lubricating packages, chemical injection, internal access roads and lighting, air-conditioning system. Regarding the electrical area, the Project included power flow studies, short circuit level, grounding systems and protection coordination.

