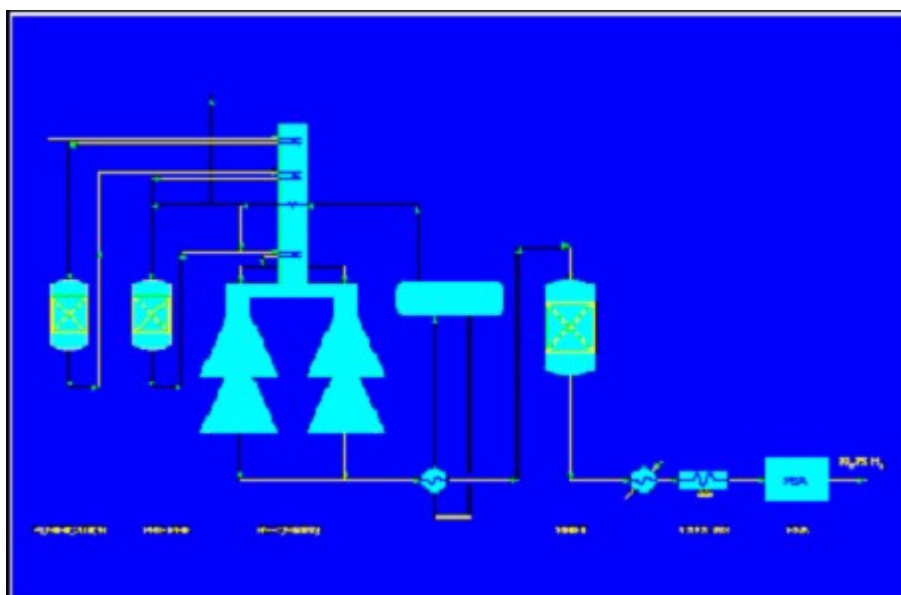


HYDROGEN PRODUCTION UNIT

SO.NA.RA. LIMBE REFINERY
Limbe - Cameroun



COMPLETION
DATE 2009

PROJECT DESCRIPTION

The unit is designed to produce hydrogen from Light Naphtha, BUPRO (Butane-Propane mixture) or Natural Gas.

The process layout includes feed purification, prereformer, steam reformer, WHB, high temperature shift, PSA, BFW preparation and a process condensate stripper. The steam reformer is designed to operate at natural draft mode.

Main process features:

- Capacity : 25000Nm³/h
- Steam to carbon ratio = 3.3;
- Reformer outlet temperature = 865°C
- Consumptions: Feed + Fuel = 4.20;
- Steam export = 0.79 t/1000Nm³H₂

FOSTER WHEELER ITALIANA SCOPE OF WORK

- Basic Design Package preparation