

HYDROGEN PRODUCTION UNIT

CONFIDENTIAL
Ingolstad - Germany



COMPLETION
DATE 2002

PROJECT DESCRIPTION

The process layout includes feed treatment (ZnO reactors), steam reformer, waste heat boiler, HT Shift, BFW preheating, gas cooling and PSA. The feed is refinery off-gas and the steam reformer is designed to operate at natural draft mode.

Main process features:

- Capacity: 13000 Nm³/h
- Steam to carbon ratio: 4.0
- Reformer outlet temperature: 850°C
- Consumptions(Feed + Fuel): 3.76 Gcal/1000Nm³H₂
- Steam export: 0.74 t/1000Nm³H₂

A successful test run was completed in March 2003. All guarantees were met with a comfortable margin

FOSTER WHEELER ITALIANA SCOPE OF WORK

EPCm services

- Supply of Terrace Wall™ Steam Reformer
- Unit based on FW hydrogen technology