

HYDROGEN PRODUCTION UNIT

SLAVNEFT MOZYR
Mozyr - Belarus



**COMPLETION
DATE 2006,
first train**

PROJECT DESCRIPTION

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

- Main process features:
- Capacity: 25000Nm³/h
- Steam to carbon ratio = 3.8;
- Reformer outlet temperature = 888°C
- Consumptions:
- Feed + Fuel = 4.1 Gcal/1000Nm³H₂;
- Steam export = 1.24 t/1000Nm³H₂

FOSTER WHEELER ITALIANA SCOPE OF WORK

- Basic Design Package preparation and supply of Terrace Wall™ Steam Reformer.
- A second train, same capacity, has been added subsequently by the client and another Terrace Wall™ Steam Reformer supplied by FW.