

250.000 t-y Polypropylene Plant

CHEMOPETROL a.s.
Litvinov - Czech Republic



**COMPLETION
DATE 2002**

PROJECT DESCRIPTION

The PP2 250,000 t/y propylene plant includes a propylene recovery unit (PRU) which uses membrane separation technology and allows the separation of propylene and nitrogen contained in the off-gas leaving the polymerisation section. The addition of the PRU minimizes the consumption of both nitrogen and propylene. The whole PP2 plant has been designed to minimise emissions and sources of polluting or noxious substances. Double certification was sought to comply with both Czech and European equipment regulations. Construction safety performance was outstanding, with zero lost time incidents.

FOSTER WHEELER ITALIANA SCOPE OF WORK

- EPC activities including start-up activities on LSTK basis
- Amoco (now BP) licensed polymerization technology was used. This technology is based on gas-phase polymerization at relatively low pressures (less than 3 MPa g) in two horizontal reactors.