



Petro Rabigh Total Complex Shutdown 2015 – The Maintenance Mega Project

TST-Turbo Service & Trading GmbH (TST) from Moers, Germany recently completed a major turnaround for Petro Rabigh (PRC) in Saudi Arabia's Western Region. PRC's scheduled shutdown started in October 2015 and TST executed major overhauls of total 12 turbo machines of various manufacturers and designs.

TST performed this record breaking turnaround in a close cooperation with PRC's Maintenance Department. Well ahead of the turnaround kick-off date TST's site preparation team erected the necessary on-site facilities, executed the spare parts inventory and planned and scheduled work execution in joint hands with PRC. A total of just about 140 TST field service personnel from inside and outside the Kingdom were mobilized ahead of the turnaround start date and hence overhauled the 12 turbines and compressors simultaneously. Supervised by highly experienced TST field service

supervisors, the technician teams worked on machinery platforms in different plant areas (MEG, HOFCC, ALK, EC, ASU and Refinery).

The mechanical work was completed successfully within the scheduled 50 days of the Total Complex Shutdown. The majority of the team was then demobilized, leaving a smaller team including TST's Commissioning Engineers to assist PRC with machinery start-up which was carried out trouble-free.

With its office presence in Dubai and a permanent representative for Asia, the privately-owned German non-OEM service provider TST strives to continuously increase its international presence and market coverage. "The success of this mega turnaround is a milestone for our company," said TST's Managing Director, Peter Gilardone. "We are looking forward to executing further similarly scaled projects in the Middle East and Asia."

Key Facts:

- Major Overhaul of 12 turbo machines
 - MAN steam turbine driver and compressor train
 - Kobelco gear and screw compressor
 - Atlas Copco gear compressor
 - Boldrocchi blowers
 - JSW Reciprocating compressor
- A team of 140 European specialists, technicians and skilled workforce
- Successful mechanical completion and start-up within 50 days
- Zero accidents



Dr.-Ing. Stephan Schwab
Head of Engineering (TST)

"The extent of the scope and the narrow time window created unusual logistical challenges – which our team mastered with high motivation and a close cooperation with PRC's Maintenance Engineers."