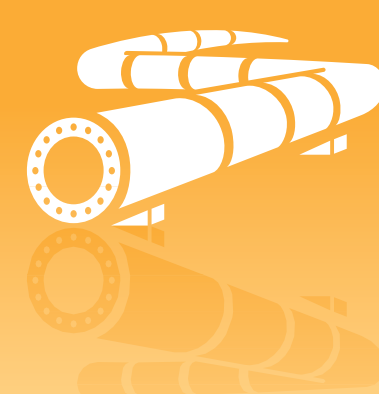


COPEX 2014

CONCAWE Oil Pipeline Operators
 Experience Exchange Seminar

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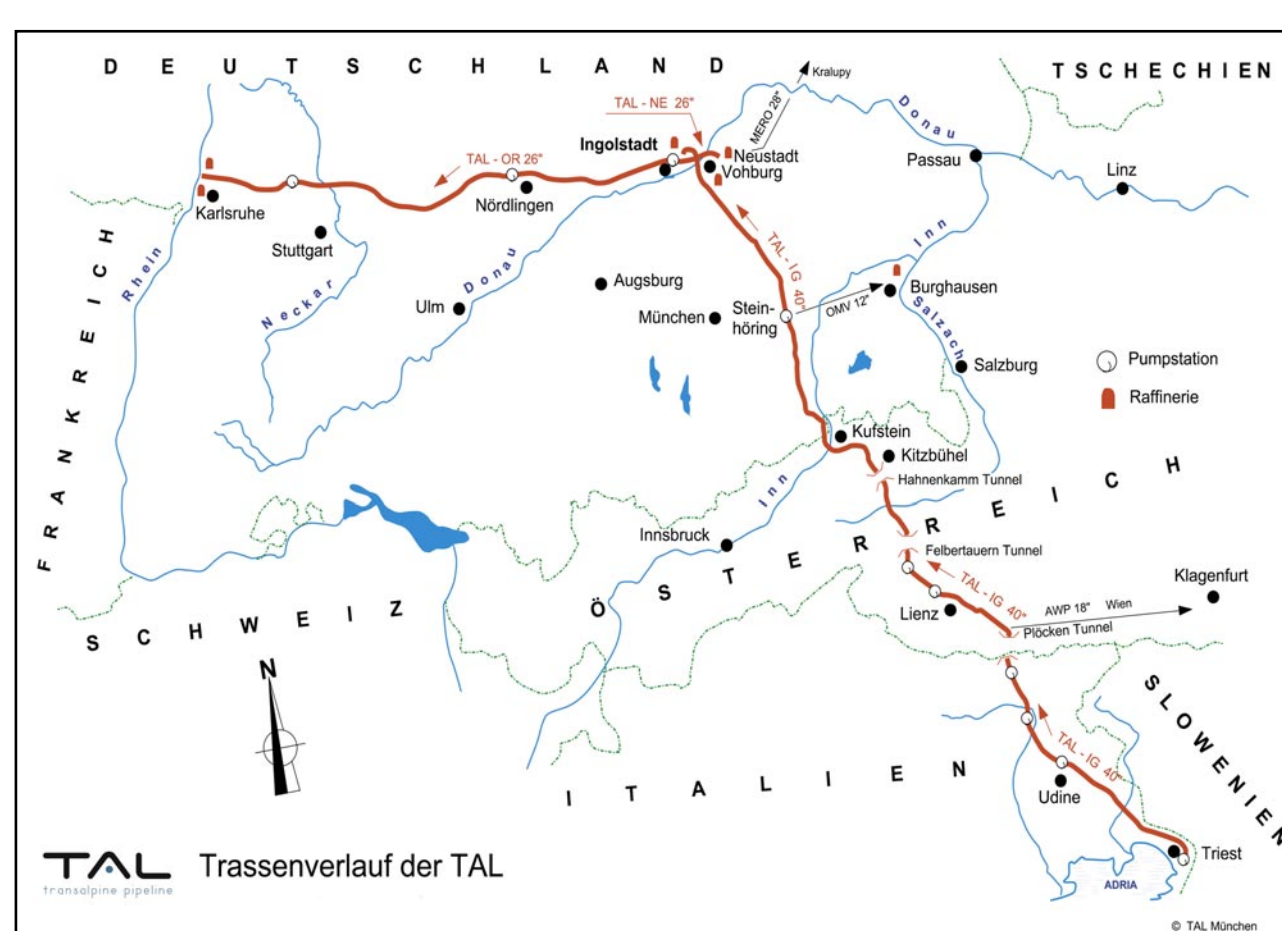
Transalpine Pipeline (TAL)

The Transalpine Pipeline (TAL) is owned by a consortium of ten oil companies. The current shareholders are: OMV, Royal Dutch Shell, ExxonMobil, Ruhr Oel, Eni, BP, Jet Tankstellen GmbH, Total, MERO and C-Blue Ltd.

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Pump station, Paluzza (Italy)



Right of way of TAL (Italy, Austria, Germany)

Pipeline data

Marine facilities

- Trieste (I): 4 berths, tanker sizes up to 280 000 tons displacement; some 500 tankers discharged per year

Pipelines

- TAL-IG: Trieste (I)-Ingolstadt (D); 40"; 465 km; seven pumpstations; throughput (max.): 6400 m³/h; capacity: 42 Mt/a
- TAL-OR: Ingolstadt-Karlsruhe (D); 26"; 266 km; three pumpstations; throughput (max.): 2500 m³/h; capacity: 14 Mt/a
- TAL-NE: Ingolstadt-Neustadt (D); 26"; 22 km; one pumpstation; throughput (max.): 2200 m³/h; capacity: 14 Mt/a

Tankfarms

- Trieste (I): 32 tanks (20 000–100 000 m³), total storage capacity: 2 Mm³
- Ingolstadt (D): 7 tanks (50 000 m³), total storage capacity: 320 000 m³

Current issues

- TAL-Integrity Improvement Initiative (TAL-III): programme to improve integrity in TAL-assets covering piggability of lines, secondary containments for removable connections, tankfarmlines-inspection-programme, station-piping-inspection programme, improvement of leak-detection systems in stations.
- 6 o'clock-drainage piping removal/exchange-programme
- In-line inspection with intelligent high-resolution pitting-pig to verify small-size corrosion (pittings) and internal corrosion/erosion phenomenon adjacent girth welds
- TAL Safety Action Plan with special focus on contractor safety
- Rental of storage tanks in Trieste tankfarm



Tank farm, Trieste (Italy)



Pump station, Gruben (Austria)