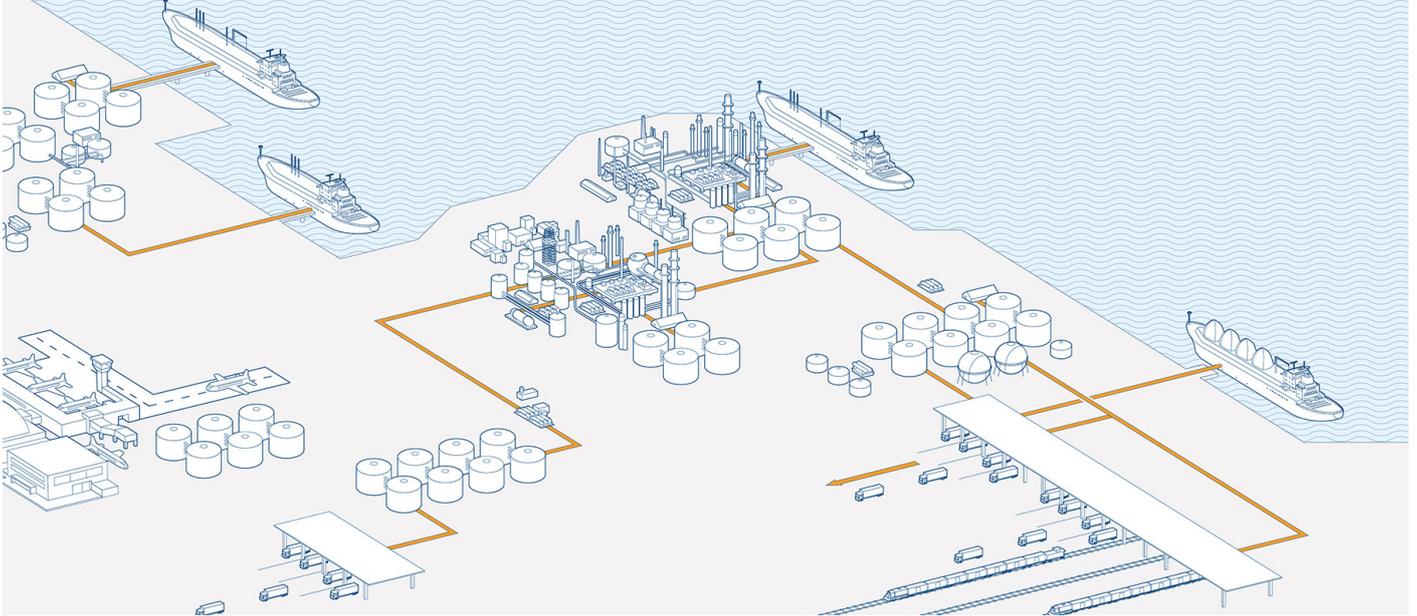


Terminal Management System for Petrom Success Story



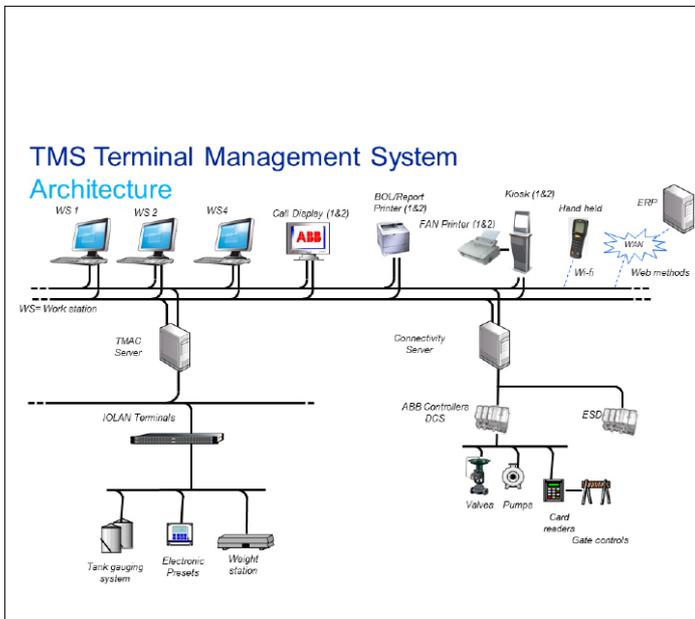
Customer & requirements

OMV Petrom is the largest integrated oil and gas group in South-eastern Europe, with an annual oil and gas production of approximately 66 mn boe. The Group has a refining capacity of 4.2 mn tons/year and owns an 860 MW high efficiency power plant and a 45 MW wind park. OMV Petrom is present on the oil products retail markets in Romania and neighbouring countries through approximately 800 filling stations.

ABB Solution

OMV Petrom initiated a program for large-scale modernization of the company's storage and distribution infrastructure, beginning with the construction of two new "standard" terminals in Bucharest south and Petrobrazi Refinery. OMV Petrom also wished to upgrade his existing terminals with an "interim" automation solution (TMS), and eventually to automate rail, pipeline and barge/ship distribution process at their Petrobrazi and Arpechim refineries and other plants in the future.

As a result of an intensive research and evaluation project the ABB's Terminal Management System was selected to automate OMV Petrom's new and existing terminal and refinery sites. Following the successful pilot installation at Petrobrazi close to 2007 ("standard" terminal), ABB successfully continued working with 9 more terminals during 2008 & 6 more schedule for 2009 with the "interim" solution, as well as the commissioning of OMV Petrom's "standard" terminal pilot in Bucharest south. The OMV Petrom "standard" model retains many features of the "interim" model including: truck and driver authorization, ADR inspection, loading disposition, loading control, sealing, automatic inventory reconciliation, reporting, shipping document creation, integration with ERP, bay allocation, truck and RTC unloading and automatic tank gauging.



TMS architecture



Pictures courtesy of OMV Petrom

Scope of the project

17 terminals covered:

- Terminal Management System
- System 800xA Extended automation
- Start up & commissioning

What our new system offered to OMV Petrom?

- TMS offered a single solution with the adaptability to implement several different terminal models.
- ABB guarantee a high level of system stability, reliability, standardization and harmonized business processes across all terminal models and each individual terminal location.
- ABB developed detailed customer requirements in close co-operation with OMV Petrom's own business experts at their Terminal automation system competence center.
- This system allowed real-time visibility and feedback to drivers and operators, as well as a comprehensive audit trail at every stage of terminal operations.
- With this alternative a strong integration with ERP was provided, enabling the retrieval and update of order information and operational results.
- As additional services ABB collaborated in project management, operational support and training.

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