

VAE CONTROLS GROUP

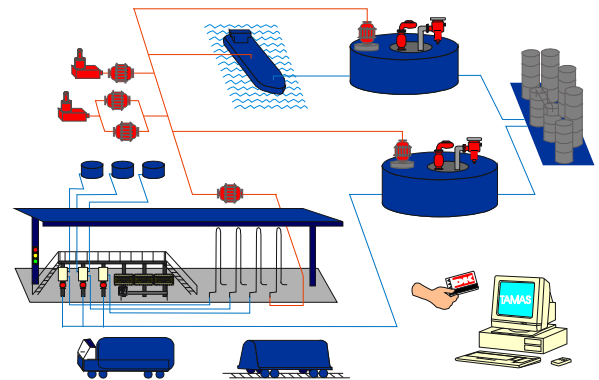
Technology of Tank Storage Terminals of Truck/Rail tanker loading

TAMAS



Fuel and chemical materials distribution requires to observe on and on stronger criteria for safety and efficiency of operation. Rightful demands are made on observing of ecological standards with contemporaneous correct deliveries, storing and receptions of the products in the frame of business contacts with customers.

VAE Controls is engaged in design, engineering and technology deliveries/installations, control incl. measuring and instrumentation of technological processes in the area of product pipelines, fuel terminals, deliveries and loading of products in petrochemical & chemical industry, and water works.



Complex technologies and terminal & store control delivered by the company of VAE CONTROLS ensure:

- > automatic operation and product handling with local, or central control;
- > self-service operation using customer's identification cards;
- > product distribution incl. corrections based on different weight and temperature of products with the measurement accuracy 0,1 %;
- > custody transfer loading and unloading of products;
- > automatic print-out of the "filling sheet" in liters or kilograms, incl. the bill of delivery;
- > prevention of products mixing during delivery of more products with one delivery device;
- > continuous dosing with any additive and optional quantity for each product type; The technology can include as an integral part a delivery of modern devices for crude oil and chemical products vapour recuperation which are able to fulfill all emission limits;
- > checking and watching of safe levels and pressures for stored products;
- > prevention of leakage of crude oil and chemical materials out of collection pits;
- > observing of environment and operational safety standards;
- > control of the technology and commercial routine for the products distribution using system TAMAS ("Tank Management System") which controls and automates the entire system - Tankfarm Filling from railway tank or Product Pipeline, Tank Gauging and Stock Management and loading process of Tank Trucks including administrative tasks of management of storage and distribution.
- > The technology can include as an integral part a delivery of vapour recuperation which is able to fulfill all emission limits.



CONTROL SYSTEMS AND TECHNOLOGY FOR PETROCHEMICAL AND WATER INDUSTRY AND POWER GENERATION

VAE CONTROLS s.r.o., Gagarinovo nam. 4, 710 00 Ostrava, Czech Republic, e-mail: info@vaecontrols.cz, www.vaecontrols.com

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Technology of Tank Storage Terminals

of Truck/Rail tanker loading



The company of VAE CONTROLS s r. o. carries out following activities in the area of terminals and stores for fuel and chemical products:

- technology design and project work, including electrical and control system parts;
- installations of storing tanks, piping and connected technological constructions;
- electrotechnology installations and deliveries;
- measurement and instrumentation, control system;
- engineering activities, putting into operation and the following service.

The company of VAE CONTROLS s r. o. delivers both its own technical devices, and devices of companies having world-wide reputation, and guarantees peak level of the technology.

VAE
CONTROLS

COMPANY OF THE YEAR '99

**ISO 9001
KEMA**

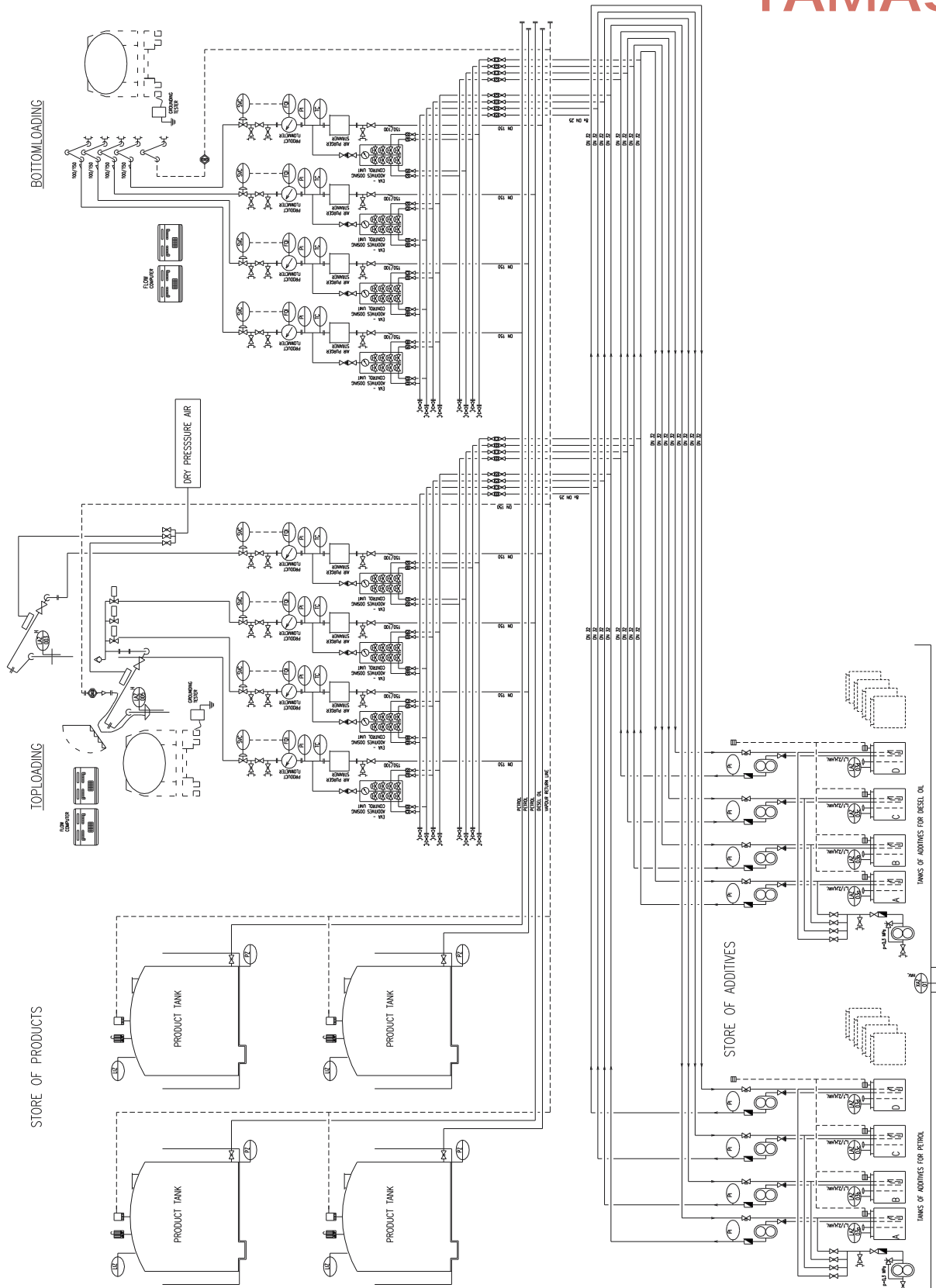
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