

Project Detail

Project name:..... **MODERNISATION OF TANKTRUCK TERMINAL IN RIJEKA REFINERY**

Contact: INA Industrija nafte, d.d., Mr. Nino Lautar, project manager

Scope of works: Technology and control system for tank truck loading terminal

Period: 2014 – 2016

Project details: INA, d.d. is a medium-sized European oil company with a leading role in Croatian oil business and a strong position in the region. It is a stock holding company having MOL Plc. and the Republic of Croatia as its biggest shareholders. Rijeka Refinery is the biggest refinery of INA, located at the Adriatic seacoast and producing whole range of petroleum fuels.

The tank truck terminal consists of “light fuels” and “heavy fuels” loading facilities. The project included the complete reconstruction of both terminals. VAE CONTROLS was selected as the most capable and experienced supplier for the project automation, technology and control / administration system.



The scope included flow metering skids with additive dosing for light fuels (gasoline, diesel, JET-A1) and metering skids for heavy fuels. Metering is based on volumetric flowmeters with air eliminators, flow control valves, and flow computers Accuload III from FMC Technologies, and density meters from Emerson, all as a complete package and certified according to MID for custody transfer metering. The project also included additive dosing units Accuplus, loading arms from EMCO, Scully overfill testers, VAE CONTROLS own designed and manufactured grounding testers systems, and weight bridges by Vage. The terminal automation and control system is TAMAS[®], which includes complete visualisation of all the technology and administration of the complete loading process including a driver's self-service kiosk with automated scheduling via electronic billboard for calling tank trucks for loading, and print outs of all necessary documentation. The project was successfully completed and handed over with all relevant testing and certification to the satisfaction of the customer on time and schedule. And is now in full functional operation.