

Project Details

Project identification:..... Metering system for LPG unloading from the tanktrucks at Bafoussam depot

Client:..... Société Camerounaise de Dépôts Pétroliers (SCDP)

Project timeline: 2023 – 2024

Project background:..... Bafoussam depot, located in the north-west Cameroon is one the key SCDP light fuel depots. LPG is delivered to this site in the tanktrucks and is filled in the bottles for distribution to the public sale.

Budgetary value:..... approx. 520 000 EUR

Originally LPG was unloaded from the tanktrucks to the storage tanks without any measurement.

The key requirements for the new LPG tanktrucks unloading system was to measure the quantity of the liquid and gas phase and in the second stage to depressurise the tanktruck while measuring the gas phase. Further it was required to improve operation safety and limit the product losses.

The solution included complete engineering, design, production, installation and commissioning of the system consisting of:

- Metering skid with the following key components:
 - o Mass meters for liquid and gas phase;
 - o Flow control valve;
 - o Shut-off valves;
 - o Auxiliary field instruments (temperature and pressure gauges and transmitters);
 - o Dual unloading arm with liquid and gas line;
- Flow computer which controls the entire unloading process;
- TAMAS Dispatcher where each transaction is registered and stored. The data is then available locally and remotely for all the approved users, i.e. operation staff, management, analytics etc.

