



 Shell Licensee

Success Story

**Loading Skid
for Refined Products
(Unleaded gasoline, Diesel)**

Customer: Vivo Energy - Shell
 Industry: Oil & Gas
 Order date: 27/06/2014
 Completion: 17/02/2015

Executive summary

Vivo Energy Morocco is a Shell brand, was founded in 2011, with a fuel storage capacity of 198,176 m³ and more than 330 service stations in Morocco.

The Company is recognized as the leader of the oil sector, and is renowned for the norms it establishes and for its concern for safety.

Vivo Energy Morocco, for a main project of Loading Skid for Refined Products, has selected PGS as main contractor, skids manufacturer and automation & safety systems integrator.



Project Overview

Application

Loading Skid for Refined Products (Unleaded gasoline, Diesel) In Agadir Terminal.

Skids Engineering and design

Engineering and Design of 02 bottom loading skids for refined products, in Agadir Terminal

- Turbine Metering Technology
- Batch controllers
- Shutdown valves
- Water hammer accumulators
- Pump Sequencing System
- Power Distribution System
- Inline Additive Injection system
- Overfill Prevention Unit
- Grounding Unit.

Added Value

- Time saving
- Safety (personal and installations)
- New technology
- Cost saving

Extra Added Value

- Ready for TAS implementation
- Ready for extension
- Skid already fitted for additional loading arms

Services

- Meters Proving
- Commissioning and startup
- Training



Key achievements

- Commissioning of the skid
- Total Compliance respect of the HSE rules
- Respect of cost
- High safety, security and environment performance
- Skid manufacture
- Project implementation and start-up to cost & schedule
- High level of skid quality and reliability
- High level of customer satisfaction.

Customer satisfaction

Since the project deployment in 2015, Vivo Energy Morocco team expressed satisfaction on the performance of the project in response to all the needs expressed.

Also the PGS team was congratulated for all after-sales services, Field services team, always available and professional.