PGS

SEPT

SOCIETE D'ENTREPOTS PETROLIERS DE TUNISIE

OiLibya VIVO ENERGY TOTAL

Success Story

Automation of additive injection System

SEPT

Customer :	SEPT
Industry :	Oil & Storage
Order date :	01/06/2015
Completion :	07/08/2016

Executive summary

SEPT is a Tunisian OIL and STORAGE company, a joint-venture OiLibya, Vivo Energy tunisie & Total Our customer is one of Top loading solution in Tunisia.

In June 2015, a project has been initiated to automate the additive injection with skids that are compliant with SHELL and Total Engineering Standards.

PGS has been selected as main contractor, Skids manufacturer and Automation & Safety Systems Integrator.

Project Overview

Application

- Additive storage
- Additive In-Line Injection
- SCADA System
- SIL3 Certified Safety System
- Pump sequencing System
- Flow Computing
- Terminal Automation System

Additive Skid Properties

- 07 stainless Steel Additive storage tanks (according to UL142)
- 2 Additive pumps/Skid
- Stainless steel piping
- Pressure Regulating Valve
- ATEX Electrical Control Panel
- Safety Instrumentation (Level Switches, Pressure switches, Temperature Transmitters,…)
- Local Flow Totalizer
- API Pressure Safety Valve

Safety System

- HIMatrix F35 Controllers and I/O Modules
- Redundant Power Supply
- Line Monitoring Relays
- Safeethernet SIL3 communication Protocol
- Fail Safe Logic

SCADA

- Vijeo Citec - Schneider Electric
- OPC Communication
- Alarm & Event historian

Terminal Automation System

- Uninterruptible Power Supply
- Redundant Architecture
- Communication with Automatic Tank Gauging System
- Reports Printers
- Bill Of Lading Printers
- Filling Advice Note Printers
- Gate To Gate Reproting
- Terminal Access Management

Services

- Additive Injection Skids Design & Manufacturing
- Safety System Design & Implementation
- Terminal Automation System Design & Implementation
- SCADA Design & Implementation
- Flow Computers replacement
- Meters Proving
- Precommissioning / Commissioning Activities
- Training
- Startup / Project Handover