



One Stop Solution Provider



PGS INTERNATIONAL  
SUCCESS  
STORY

Fiscal Metering Skid  
For 20" LPG Pipeline



Customer : SONATRACH  
Industry : Oil & Gas pipeline transport  
Order date : 2019  
Completion : 2021



# Executive summary

The job that has been awarded to PGS by Sonatrach includes the engineering, fabrication, factory acceptance, start-up assistance, commissioning of a complete LPG fiscal metering skid approved by the local weight and measure ONML and inspection authority ARH. The fiscal metering skid is composed by two meter runs each one is fully equipped with all instrumentation including pressure and temperature transmitter, isolation valves and accessories.

The skid has been manufactured in Z configuration which will allow both the customer and ONML to witness on site the proving of both meter runs by using a master meter proved with a high accuracy tested in calibration laboratories accredited ISO 17025. Upstream the fiscal metering packages PGS has supplied an LPG filtration process packages in compliance with international standards designed to insure a proper filtration of the products prior its flow to the measurement system.

All the instrumentation are being wired to a flow computing cabinet installed in the control room with a full redundancy configuration and a SCADA systems interfaced with the DCS of the plant.



# Project Overview

## Process Data :

Product	:	LPG
Flow Rate	:	3000 m³/h
Operating Pressure	:	95 bars
Operating Temperature	:	65 °C
Package Overall weight	:	130 Tons
Package Overall Dimensions	:	30x3x3 meters

## Main Materials :

- Flow computing cabinet with SCADA system
- 02** Filters Coalesers **4000L**
- 02** Flow Meters Runs with Coriolis Meter approved for custody transfer
- 01** Master-meter proving systems with Coriolis Meter
- 01** set of instrumentation for each meter run and proving line
- 01** Set of Isolation Trunnion mounted ball valves **20"** class **600**



# Key achievements

PGS has successfully provided a stand of the art fiscal metering package as per the customer's requirements and in compliance with all the international standards in terms of weight and measure. The system has been approved by the local weight and measure authority ONML as well as the local authority for inspection ARH due to critical process operation conditions. The project has been delivered within the contractual project schedule despite the uncertain conditions related to the pandemic Covid-19.

# Customer satisfaction

The Customer has demonstrated along the project progress period a deep satisfaction on both sides of project: materials quality and support service. The customer has shown a tremendous gratitude towards the project engineering and management teams. The mechanical completion and the commissioning of the packages has been successfully achieved in compliance with the HSE requirements and under a very optimized period.



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