

# Pemex Exploration chooses the FloBoss™ S600+ Flow Computer for Loading and Unloading of Crude Oil

## RESULTS

- Faster and more precise flow calculations
- Seamless integration to the National Pemex SCADA System
- Minimal disruption to metering operations during the change out period

## APPLICATION

Loading and unloading Maya Crude Oil (heavy oil) and Istmo Crude Oil (light oil) on the SM-100 System in six meter runs with ultrasonic meters

## CUSTOMER

Pemex Exploration & Production at Maritime Terminal Dos Bocas (TMDB)

## CHALLENGE

Pemex' current SM-100 system required fast computation and needed high availability for the strategic export point. They were looking to improve key areas to enhance their operation by wanting to have a high redundancy measurement system.

Pemex wanted to be able to manage the last state of valves when changing the "master" to "slave" in safe mode. They also requested faster flow measurement calculations while they wanted to enable access from different HMI terminals at the same time.



*“Emerson’s flow computer solution continues to give us maintenance advantages, giving confidence to our operation.”*

**Abelardo Díaz López**  
Pemex Supervisor and Maintenance for Maritime Terminal

## SOLUTION

Pemex chose the FloBoss S600+ to provide flow measurement and monitoring functions for totalization, alarm monitoring, valve monitoring and control. They used Emerson's FAT protocol to validate the measurement information and the operation of equipment. Additionally Pemex' SCADA architecture required a direct connection to each FloBoss S600 + to unify information which was achieved through the new communication port, independent of the HMI port.

Pemex acknowledged the FloBoss S600+ as the ideal replacement and provided the functionality they require. This versatile flow computer can be configured to meet their specific requirements. The installation into existing cabinets has proven to be straightforward with minimal disruption to metering operations during the change out period, requiring only six hours of scheduled downtime.

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