

Maersk Oil Chooses Emerson's FloBoss™ S600+ for their Offshore Oil & Gas Fiscal Metering System

BENEFITS SUMMARY

- Flexibility allowing multi-stream, multi-station applications to be configured for simultaneous metering of both liquids and gases
- Hot cutover eliminated system downtime during a major upgrade
- Reduced future maintenance and cost with availability of spare parts, ensuring maximum productivity



APPLICATION

Offshore Oil & Gas fiscal metering systems

CUSTOMER

Maersk Oil in Denmark

CHALLENGE

Maersk had over 30 old Sentinel 500 flow computers installed on their offshore platforms that were having obsolescence issues. With the lack of available spares and support for the aging flow computer and DEC supervisory computer, the risk to their metering operations greatly increased. Their entire operation was at risk particularly in losing fiscal metering data to accounting systems, associated partners and third parties.

“The FloBoss S600+ has been an ideal replacement in providing the functionality and versatility we require.”

Maersk Oil

SOLUTION

Maersk chose the FloBoss S600+ to provide flow measurement and monitoring functions for totalization, alarm monitoring, valve monitoring and control. Their front end metering is performed by 11 FloBoss S600+ flow computers. The system configuration involves dual stream gas orifice, dual stream liquid turbine, four stream Coriolis meter and four stream VConc.

The FloBoss S600+ is designed to provide standalone flow metering. The OPC server will collate the data from each FloBoss S600+ flow computers and pass this to the Maersk control system. The OPC Server is used as an interface between the FloBoss S600+ Flow computers and the Maersk control system.

Maersk acknowledged the FloBoss S600+ is the ideal replacement and provides the functionality they require. This versatile flow computer can be configured to meet their specific requirements. During this hot cutover, the installation into existing cabinets has proven to be straightforward with minimal disruption to metering operations during the change out period. Maersk continues to work with Emerson and has confidence in their professional approach, wide knowledge and experience of fiscal metering systems. Emerson continues to offer flow computer solutions including upgrades and EExd cabinets for installation in hazardous areas.

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