

Expro Excellence

# Clamp-on SONAR meter replaces conventional industrial strap-on ultrasonic meter

Acumen



## Customer challenges

- An operating company mandated the requirement for real time flow measurement during a shuttle tanker loading operation
- The shipyard had selected a conventional industrial strap-on ultrasonic meter on a new build tanker fleet, which was not designed for oil and gas applications
- During commissioning operations, the conventional industrial strap-on ultrasonic meter failed to measure the stabilised crude during transfer
- The tanker owner needed to replace their existing conventional industrial strap-on ultrasonic meters in order to operate and fulfil their contractual and HSE obligations
- The end customer would not accept shuttle tanker without flow metering during loading operations
- The vessel owner was facing liquidated damages and reputation risk

## Expro Excellence

- Within days of being approached Expro provided a clamp on SONAR meter and a field technician
- Our field technician remained on board the vessel to capture and validate the data real time, dispelling the negativity the vessel owner had from their previous experience with a conventional industrial strap-on ultrasonic meter
- Two transfer loadings were made of different crude API to validate the operability range

## Value to the client

- The vessel owner was able to commission the shuttle tanker, avoid liquidated damages and risk to reputation and start generating revenue
- The shuttle tanker was fully compliant with the operating company's mandate and HSE requirements for shuttle tanker loading operations
- The vessel owner advised the shipyard not to use conventional industrial strap-on ultrasonic meters
- As a result an additional five new build tankers will now be equipped with Expro's clamp on SONAR meters
- This is another instance where low cost conventional industrial strap-on ultrasonic meters have been incorrectly applied to straightforward single-phase oil and gas applications subsequently requiring a retrofit of an Expro clamp-on SONAR meter creating unnecessary additional cost negating any original price differential between conventional industrial strap-on ultrasonic and clamp on SONAR meters

## Insight



## Contact

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