

Coriolis Mass Flowmeter

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CUSTODY TRANSFER APPLICATION

Custody Transfer in the oil and gas industry

refers to the transactions involving transporting physical substance from one operator to another.

This includes the transferring of raw and refined petroleum between tanks and tankers; tankers and ships and other transactions.

Custody transfer in fluid measurement is defined as a metering point (location) where the fluid is being measured for sale from one party to another.

During custody transfer, accuracy is of great importance to both the company delivering the material and the eventual recipient, when transferring a material.

Custody transfer generally involves:

Industry standards. National metrology standards.
Contractual agreements between custody transfer parties. Government regulation and taxation.

Due to the high level of accuracy required during custody transfer applications, the flowmeters which are used to perform this are subject to approval by an organization such as the American Petroleum Institute (API).

Custody transfer operations can occur at a number of points along the way; these may include operations, transferring of oil from an oil production platform to a ship, barge, railcar, truck and also to the final destination point, such as a refinery.



Story line of Vessels:

Dulam International Ltd

- Oceanic Installer

ABS Marine

- Anokhi

Sadhav Shipping

- Canara Pride
- Adwita

Raj Shipping

- Offshore Adventure

Greatship

- Ahalya,
- Aarti,
- Asmi
- Amrita

First Oil& Gas

- FOG-15

Dulam International - Oceanic Installer Case I

Dulam International -UAE which is one of the leading vessel operators for ONGC. We installed Mass flowmeter for Diesel fuel for custody transfer, the data from Flowmeter was transferred to batcher and printer but due to inaccuracy of batcher and meter, we shifted our solution to data transfer wide reading the register using RS 485 communication, We supplied the complete solution for this and wrote the MACRO where we read all the register of flowmeter and transferred the data to our software interface and get the printouts for ONGC to supervision.

Supply Vessel name: OCEANIC INSTALLER, Line Size: 4", 100mm Coriolis Meter

ABS - Anokhi Case II

ABS – Marine, Chennai is one of the leading vessel operators for ONGC. We installed Mass flowmeter for Diesel fuel for custody transfer, the data from Flowmeter was transferred to batcher and printer but due to non-activation of HART module, we were not able to vary 4-20mA O/p current signal hence we decided to go with our solution to data transfer wide reading the register using RS 485 communication, We supplied the complete solution for this and wrote the MACRO where we read all the register of flowmeter and transferred the data to our software interface and get the printouts for ONGC to supervision.

Supply Vessel name: ABS - ANOKHI, Line Size: 4", 100mm Coriolis Meter

Sadhav - Canara Pride, Case -III

Sadhav Shipping Limited leading vessel operators for ONGC. We installed Mass flowmeter for Diesel fuel for custody transfer, we directly provided our solution to data transfer wide reading the register using RS 485 communication, We supplied the complete solution for this and wrote the MACRO where we read all the register of flowmeter and transferred the data to our software interface and get the printouts for ONGC to supervision.

Supply Vessel name: CANARA PRIDE, Line Size: 4", 100mm Coriolis Meter

**“SUSAN
Coriolis
flowmeter an
economical
solution for
custody
transfer”**

Raj Shipping - Offshore Adventure, Case IV

Raj Shipping a leading vessel operators for ONGC. We installed Mass flowmeter for Diesel fuel for custody transfer, The line size was 6" hence we suggested to reduce the line and install the meter, we provided our solution to data transfer wide reading the register using RS 485 communication, We supplied the complete solution for this and wrote the MACRO where we read all the register of flowmeter and transferred the data to our software interface and get the printouts for ONGC to supervision.

Supply Vessel name: OFFSHORE ADVENTURE, Line Size: 4", 100mm Coriolis Meter

GREATSHIP INDIA LIMITED – CASE V

Greatship India limited leading vessel operators for ONGC. We installed Mass flowmeter for Diesel fuel for custody transfer, the line size was 4” but due to compact space the challenge was the installation and doing the connections our engineers used the mirror and other technology to invade wiring in the transmitter and sensor. Finally cable was laid using the rope and other tackles.

There were 4 fleets on which we installed the Coriolis meter, we did the connection locally and also integrated the totality to their central command station.

Supply Vessel name: AHALYA,AARATI,ASMI,AMRITA, Line Size: 4”, 100mm Coriolis Meter

FIRST OIL & GAS – FOG, Vessel – FOG 15

First Oil & Gas is a Dubai based company with more than 10 vessel which sails across the world, out of which 2 vessels are engaged in ONGC supply for offshore diesel FO Transfer one of them is FOG 15 In which we have commissioned our SUSAN make Coriolis mass flowmeter.

The site was very well organized and the commissioning of the flowmeter was very smooth, ample space with trained engineer and technician were present, the site was closed in not more than 3 hours.

We communicated the meter with computer and printer for the calibration and data transfer the report printing was done successfully.

Supply Vessel name: AHALYA, AARATI,ASMI,AMRITA, Line Size: 4”, 100mm Coriolis Meter

Susan Automations, established in Year 2004, which later formed into a private limited holding with the name of **SUSAN AUTOMATIONS INDIA PVT.LTD.** In year 2018. We are reputed business partner & product supplier for Multinational firms involved in the business of industrial automation, process controls, IOT& Software solution. We have been serving Industries in India & Abroad.

Glimpses of Installation

DULAM INTERNATIONALS – UAE, OCEANIC INSTALLER



ABS- MARINE, ANOKHI



SADAV SHIPPING, CANARA PRIDE



RAJ SHIPPING, ADVENTURE OFFSHORE

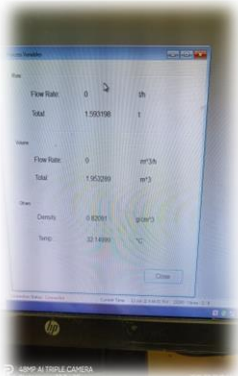


GREATSHIP -AHALYA, AMARITA, ASMI, AARATI



48MP AI TRIPLE CAMERA
Shot on narzo 30 Pro 5G

2021/07/12 16:07



48MP AI TRIPLE CAMERA



48MP AI TRIPLE CAMERA
Shot on narzo 30 Pro 5G

2021/07/12 16:07



FIRST OIL & GAS – FOG 15



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