

# Micro Motion™ Coriolis Flow Meters Help Dutch VT Group to Fuel The Biggest Sea-Vessels Coming to Rotterdam

## RESULTS

- Transparency and certainty of sea-vessels fueling with NMI-certified metering system
- High Capacity Micro Motion Coriolis Flow Meters ensures reduced loading time
- Loading 12000 tonnage of fuel less than in 4 hours



## APPLICATION

Custody Transfer Fuel Metering

## CUSTOMER

VT Group (Verenigde Tankrederij BV), tank barge operator, Netherlands

## CHALLENGE

Sea-going vessels that are coming to Rotterdam port to be supplied with fuel, want to be sure that they have got the same quantity of fuel that they have paid for. Bunker barges that supply fuel oil must ensure approved and accurate measurement.

## SOLUTION

For accurate measurement, VT Group decided to install Emerson's metering system based on the Micro Motion Coriolis Flow Meters on their biggest bunker barge, Vorstenbosch, that can load over over 13000 tonnage of fuel towards vessels.

Micro Motion ELITE CMFHC High Capacity meters can load 120 up to 3 000 tonnage of fuel oil per hour. It helps to reduce loading time to only 4 hours to load on the vessel up to 12 000 tonnage of fuel. Taking capacity of the barge into account, complete sea-vessel fueling can be done in one go.

"The meter says what has gone through and how much of mass has gone through. This is certified by a MID standard issued by the Netherlands Measurement Institute (NMI), who said: This is correct - every amount that has gone through it, has actually gone through", – said Niels Groenewold, Director of Verenigde Tankrederij B.V.

Thus, vessels taking bunker at Rotterdam port receive full transparency and certainty with quantity and quality of received fuel oil.

"..Mass flow meters that are installed onboard the vessel ensure more transparency and certainty of fuel quality and quantity transferred towards the vessels that are getting fueled in Rotterdam",

Niels Groenewold, Director,  
VT Group



*NMI-certified metering system based on Emerson's Micro Motion High Capacity mass flow meters loading up to 3000 tonnage/hour of fuel oil, used onboard Vorstenbosch, the biggest bunker barge in Europe*

**MICRO MOTION™**

For more information:  
[www.Emerson.com/MicroMotion](http://www.Emerson.com/MicroMotion)  
[www.MicroMotion.com](http://www.MicroMotion.com)

  
**EMERSON™**

RESOURCES

**Micro Motion ELITE CMFHC High Capacity Coriolis Flow Meters**

[www.emerson.com/en-us/catalog/automation-solutions/micro-motion-sku-cmfhc3m](http://www.emerson.com/en-us/catalog/automation-solutions/micro-motion-sku-cmfhc3m)

**AD Media, Netherlands: The largest bunker tanker in Europe**

<https://www.ad.nl/video/zo-ziet-de-grootste-bunkertanker-van-europa-eruit~p230826>



*Emerson's Micro Motion ELITE CMFHC High Capacity Coriolis Flow Meter designed to deliver accurate, repeatable flow measurement in the most challenging applications*

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