



## Project Description

**Project:**

Rented a OMC-7006 Data Buoy

**Customer:**

Martens & Van Oord

**Year:**

2017

**Country:**

The Netherlands

**Description:**

Observer Instruments recently rented a OMC-7006 Data Buoy to Martens & Van Oord.

Besides the supply of custom made data buoys, Observer also offers the possibility to rent these data buoys for short term projects.

For this particular project, Martens & Van Oord required a continuous and reliable monitoring of turbidity with a possibility to generate an alarm when the values exceed certain levels.

Martens & Van Oord was awarded with an order to carry out dredging works at the Hollandsch Diep river.



*OMC-7006 Data Buoy in  
The Hollandsch Diep river in The Netherlands*



Because of the fact that the dredging works took place in close proximity of the water inlet of a petrochemical refinery the permanent monitoring of turbidity values was crucial.

Observator supplied the **OMC-7006 Data Buoy** assembled with the **NEP5000 Turbidity Sensor** and **OMC-045-III GPRS Data Logger**.

The acquired data was transmitted frequently to the Observator OMC-Data-Online data server meaning the data was accessible 24/7.

Besides this, alarm thresholds were programmed, so project engineers were alerted directly when turbidity levels raised to alarming levels.



*OMC-7006 Data Buoy*



*NEP 5000 Turbidity Sensor*



*OMC-045-III GPRS Data Logger*



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