



The Euromast in Rotterdam, the Netherlands



OMC-116 wind speed & direction sensor

Project description

Project: Wind monitoring and alarm system

Customer:

Euromast Rotterdam

Year:

2016

Country:

The Netherlands

Description:

With it's 185 metres at the highest point, the Euromast is the tallest tower of the Netherlands that's open for the public to visit. The Euromast has a tremendous view over Rotterdam.

In 1960 the Euromast was originally built for the world's biggest flower and garden exhibition (Floriade) and is a listed monument since 2010. The tower is a concrete structure with an internal diameter of 9m and a wall thickness of 30cm. For stability it is built on a concrete block of 1,900,000 kg so that the centre of gravity is below ground.

From the panorama platform at 112m a rotating lift (Euroscoop) will take you to the top at 185m.

Observer Instruments supplied a wind system for the monitoring of wind speed and direction.

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At a wind speed >15 m/s, they have to stop the euroscoop cabin operations, for safety reasons. Therefore a standard OMC-138 was installed at the reception desk years ago. To improve safety and to inform the passengers and operator in the euroscoop cabin, an additional OMC-140 TFT display has been installed.

Since cabling was not an option. Observer had to install a VHF system in order to transmit the data to the OMC-140 display.

The OMC-140 display gives a clear overview of the meteorological parameters for the passengers and operator in the euroscoop cabin. The parameters are:

- Wind speed
- Wind direction
- Wind variation
- Max. gust

Observer Instruments is proud to contribute to the safety of the Euromast with this wind monitoring and alarm system.



OMC-140 Multifunctional TFT Display



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