



Current forecasts at 470 World Championships 2010 Scheveningen, The Netherlands

The 470 Sailing World Championships 2010 took place on 9-18 July 2010 in Scheveningen, The Netherlands.

Following the good experience during the Olympic Games 2008 in Qingdao, Svasek Hydraulics has again provided current forecasts to the Dutch sailing team for the World Championship games as well.

To provide accurate current predictions Svasek Hydraulics has used its in house developed existing numerical flow model of the North Sea (FINEL2D, see www.svasek.com). The local grid spacing of the model is adjusted in the sailing area to obtain detailed current patterns in the area of interest.

To calibrate the model, current measurements have been done by Svasek Hydraulics. These measurements have been performed with an ADCP, fixed to a vessel. Both the velocity and direction of the flow the full water depth has been measured. The FINEL2D current model is consequently successfully validated with the current data.

With the validated model Svasek Hydraulics provided surface current forecasts at a ten minute interval during the 470 World Championships 2010. These forecasts assisted the Dutch team, consisting of **Lobke Berkhout** and **Lisa Westerhof**, to win the race and to become **World Champions** in 470 class.

Client

Dutch Olympic Sailing Team,
Watersportverbond

Location

Scheveningen, The Netherlands

Date

2010

Services

Specific current forecasts

Svasek Hydraulics

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ONTWIKKELING VAN DE EUROPESE COMMISSIE

