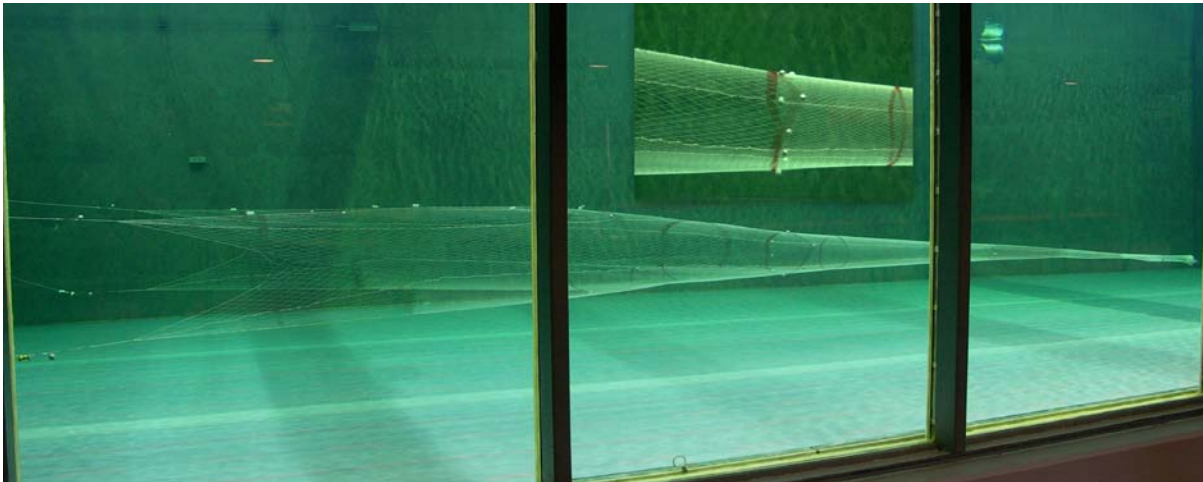


The North Sea Centre Flume Tank

Managed and operated by SINTEF Fisheries and Aquaculture

Measurements of Trawl and Net Cage Volumes



Instrumentation:

Motion Tracking

Motion tracking hardware and software from Qualisys is installed in the flume tank. The system consists of six cameras which can be submerged in the water enabling us to Track the motion of objects in a large volume of the flume tank. We have mounted four cameras on a beam in the aft end of the tank and two extra cameras further forward on a second beam to get a good coverage of the tank volume.

Analysis

Based on the geometry data retrieved with the Qualisys Track Manager system (www.qualisys.com) it is possible to calculate the volume of the trawl or net cage.

Photo top: Pelagic trawl equipped with reflectors in the flume tank.

Screen shoot below: Geometric representation of the pelagic trawl in Qualisys Track Manager System.

