

About SINTEF Fisheries and Aquaculture

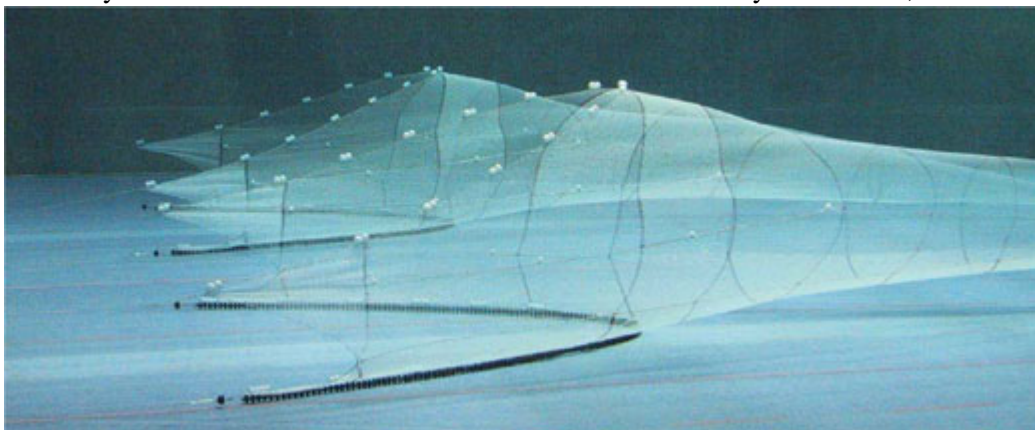
SINTEF Fisheries and Aquaculture is a part of the SINTEF Group, based in Trondheim, Norway. SINTEF Fisheries and Aquaculture represents technological expertise and industry knowledge in the utilization of renewable marine resources. Under the vision "Technology for a better society" we are working for a knowledge-based bio marine industry. Our goal is to meet market demands for technological research and development on renewable marine resources. Our expertise, interdisciplinary approach and industrial knowledge provide our customers with added value in all the projects we undertake.



Through cooperation within the SINTEF Group, we can integrate our own expertise with cutting edge knowledge from other industrial sectors (industrial materials, ICT, medicine, etc.) into the fisheries and aquaculture sector.

The flume tank in Hirtshals

The core products are research projects and commercial testing of equipment for fisheries and aquaculture. Numerous trawls have over the years been tested here, and fishermen, breeders and net manufacturers have learned to optimize the use of their gear. Also most new developments and selectivity devices have had a round in the flume tank before they went to sea, for the final tests.



The flume tank has been upgraded continuously and stands today as a very versatile test facility. For instance, a recent installation of a modern 3D measuring video rig completes the setup.

Net manufacturers and fishing companies from all over the world know the flume tank and the value of the services. But the expertise housed also encompasses services for other branches of marine industries: test of fish cages for marine aquaculture, test of sub-sea templates and pipelines for the off-shore oil and gas industries, test of ROV's for inspection and surveillance etc.

Summer jobs for students 2016

SINTEF Fisheries and Aquaculture is happy to announce the opportunity for students to apply for summer jobs 2016. The main activity will be related to flume tank experiments and instrumentation. The work site is Hirtshals, Denmark.

Working with SINTEF is for students an excellent opportunity to gain insight into the activities in an industrial research institute, and a valuable reference for future career. It is also possible to combine activities in summer job projects with topics relevant for master theses, with co-supervisors from SINTEF.

More information about the flume tank is found here:

<https://www.youtube.com/watch?v=hlOO8I869Fc>

<http://www.sintef.no/home/Fisheries-and-Aquaculture/About-us/Laboratories/SINTEF-Fisheries-and-aquaculture-flume-tank/>

Some possible topics for summer jobs 2016:

- Perform measurements of different flow regimes in the laboratory
- Perform characterization of the wave maker / current flow interactions
- Develop control systems for hybrid model tests
- Develop vision systems for net mesh characterization
- Develop tool for analysis of the geometry of aquaculture installations from experiments.

Other topics may also be of interest.

The duration of the summer jobs is estimated to 5-7 weeks.

Applications:

The students are encouraged to send short applications with CV before January 1st, 2016.

Contact for the summer jobs: Hanne Digre, Research Director Hanne.Digre@sintef.no