

# Mobile Sealab

## - a hydrolysis factory in a container

*With this mobile factory you can develop new products and optimize existing production technology for processing almost any kind of (rest) raw material into oil and protein hydrolysates in cooperation with SINTEF.*

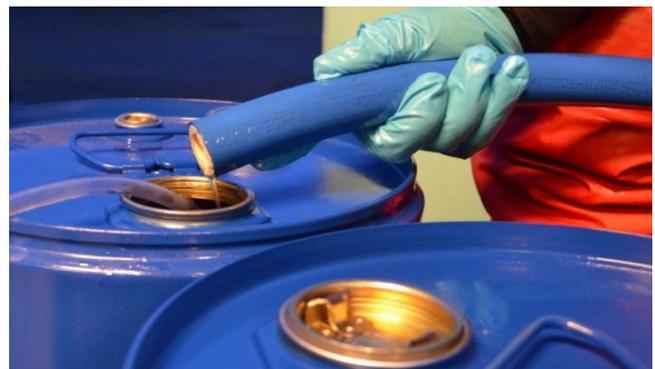
Produce oil and protein hydrolysates from your own **fresh** raw materials. Optimize your production by **refining** your good quality raw materials. Improve your standing in the market by delivering **the best product** with the benefits of new technology.



*Mobile Sealab in action*

### EQUIPMENT AND CAPACITY

The unit is equipped with instrumentation for measurements, regulation and documentation of the chosen process and process parameters. The equipment is securely mounted in a **mobile** container, ready to be installed at your preferred location. Capacity will vary depending on product and type of process, but for heat treatment usually 500-1000 kg/hour and batch hydrolysis 400 kg in 4-6 hours.

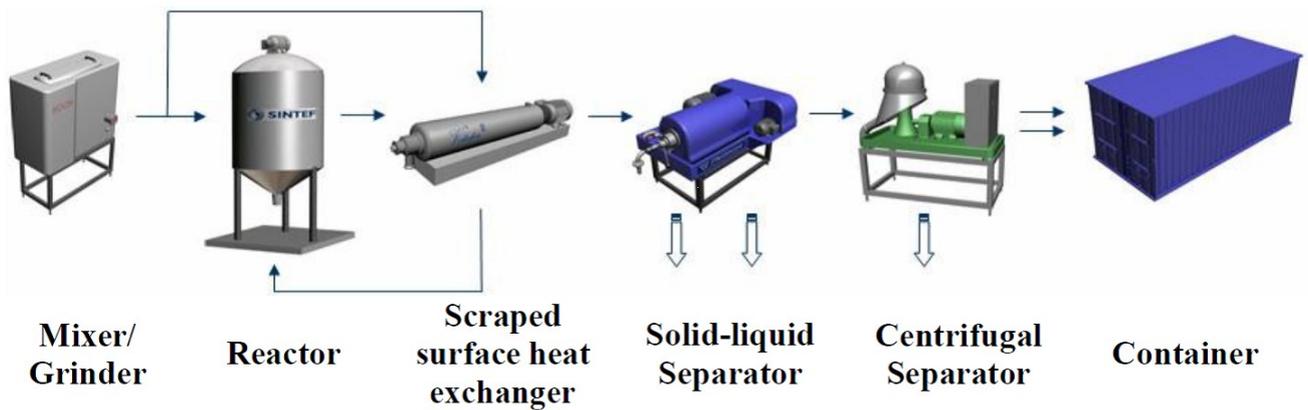


*Oil from rest raw materials*

### PROCESSING

Mobile Sealab can run hydrolysis processing or heat treatment processing in several different forms, depending on the customers objectives. Screen testing of enzymes and screen testing of antioxidants can also be done.

Mobile Sealab is the missing link between lab scale tests and full industrial facilities. By testing theories, new processes and parameters in a medium scale, we can optimize the process and obtain results to maximize yield and product quality before investing heavily in new equipment and facilities.



### PROJECTS AND RAW MATERIALS

Mobile Sealab has tested a wide range of materials and processes:

- Rest raw material from Atlantic Herring, hydrolysis and heat treatment
- Whole Krill processing
- Screen testing of different enzymes for Atlantic Herring
- Hydrolysis of rest raw material from salmon
- Screen testing antioxidants on rest raw material from Atlantic Herring
- Tasteless protein from Salmon backbone
- Hydrolysis of Nile Perch
- Heat treatment of Mackerel bellyflap
- Hydrolysis of Blue Whiting
- Hydrolysis of Cod heads and innards
- Hydrolysis of Trout heads
- Hydrolysis of seaweeds (Palmaria and Saccharina)

Just about any raw material from krill to whale, including any kind of fish and other materials can be utilised.

### RESULTS AND FOLLOW-UP

After running a project using Mobile Sealab, SINTEF Fisheries and Aquaculture and the customer will have more information on what kind of process should be used for the material in question, what parameters and capacities each link in the process should have, and what product with what quality can be expected from the process.

We can also follow up by performing a wide range of analyses on the products. Please contact us for more information.



*Complete satisfaction with expert operators*



#### KONTAKTPERSON:

Bendik Toldnes  
+47 982 22 480  
[Bendik.Toldnes@sintef.no](mailto:Bendik.Toldnes@sintef.no)

#### KONTAKTPERSON:

Ana Karina Carvajal  
+47 924 63 388  
[AnaKarina.carvajal@sintef.no](mailto:AnaKarina.carvajal@sintef.no)