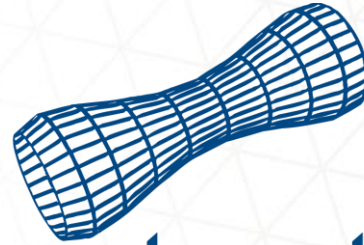




# Aquaculture project

*Coastal Engineering Day - Marin Byggeteknikkdagen April 19th 2018*

Joachim Buarø, MSc



# aquastructures

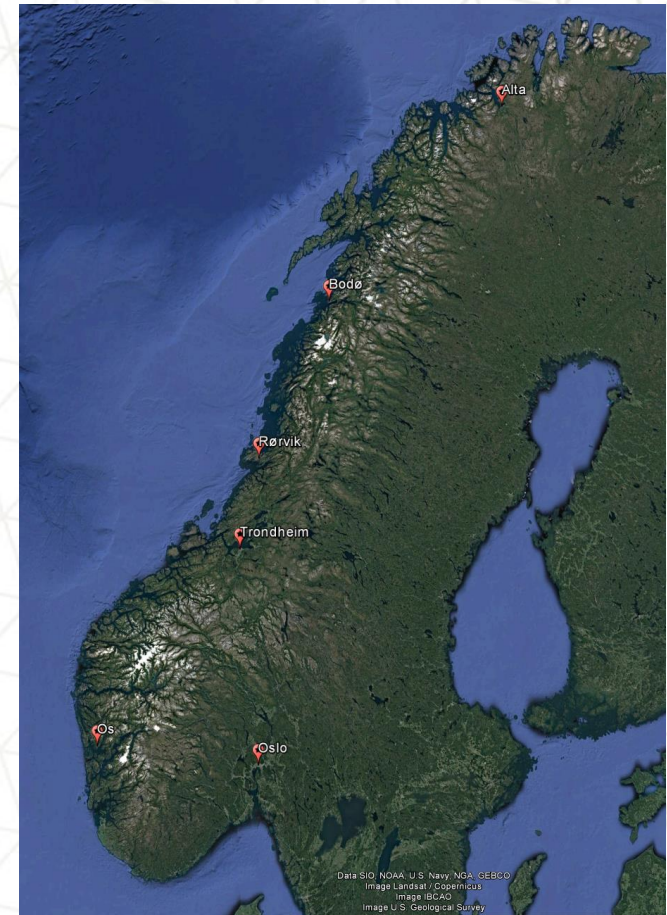
Safety through technology

*We develop, promote and deliver solutions  
to the aquaculture and other relevant industries,  
based on our expertise within marine technology*



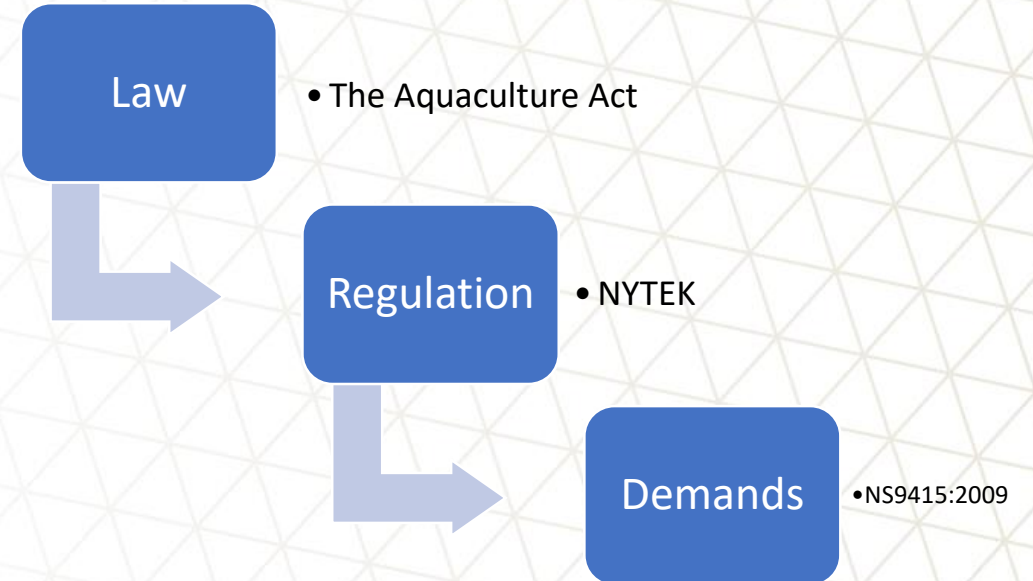
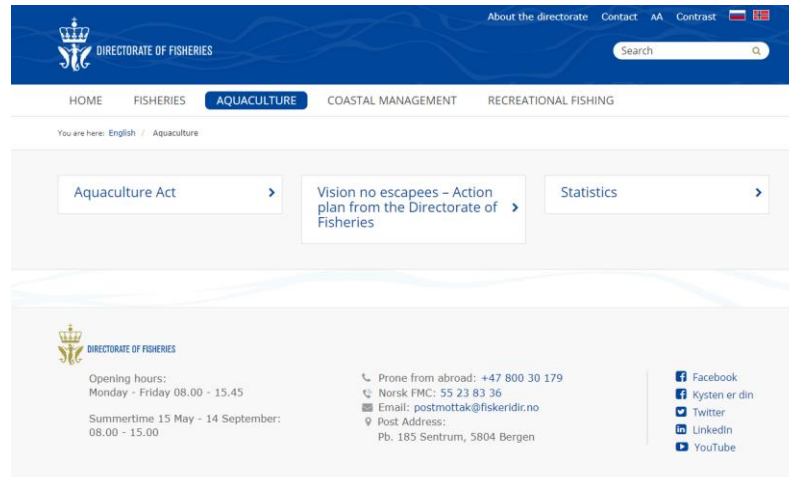


- Established 2002
  - Vision «Safety through technology»
- Own and develop AquaSim
  - Dynamic time-domain analysis
  - 70 licenses worldwide
- Accredited Product certification Body ISO-17065
- Accredited Inspection Body ISO-17020
- Head office Trondheim
  - Branch offices Oslo, Rørvik, Os, Alta og Bodø
  - 17 employees





## Norwegian aquaculture Laws and technical regulations

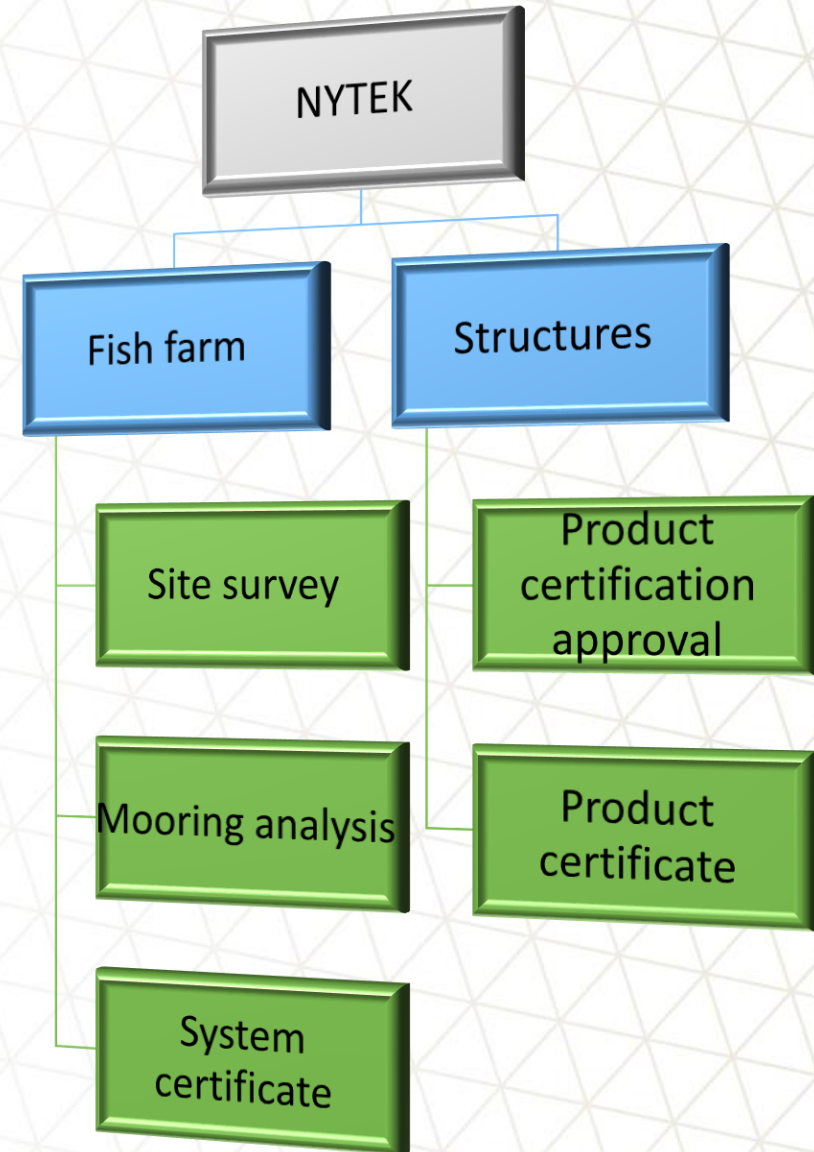






## NYTEK Certification scheme

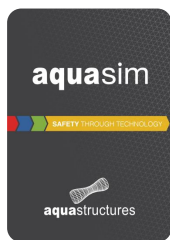
- ❖ Ensure equipment is designed for location
  - Responsible Fish farmer
- ❖ Ensure equipment is as specified
  - Responsible Supplier



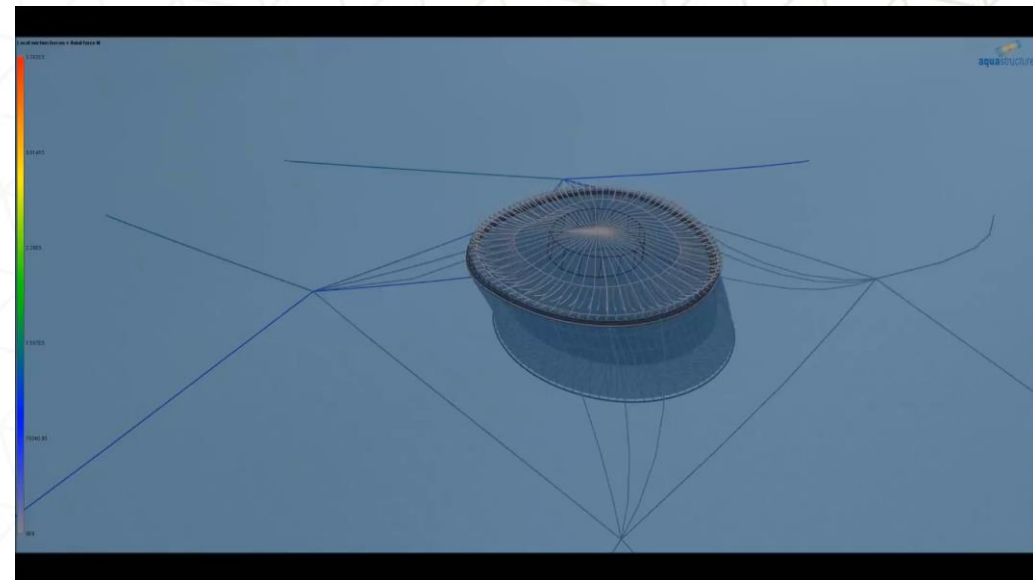


## Aquaculture project

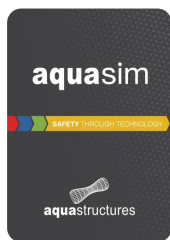




# Aquaculture project ❖ Marine Engineering

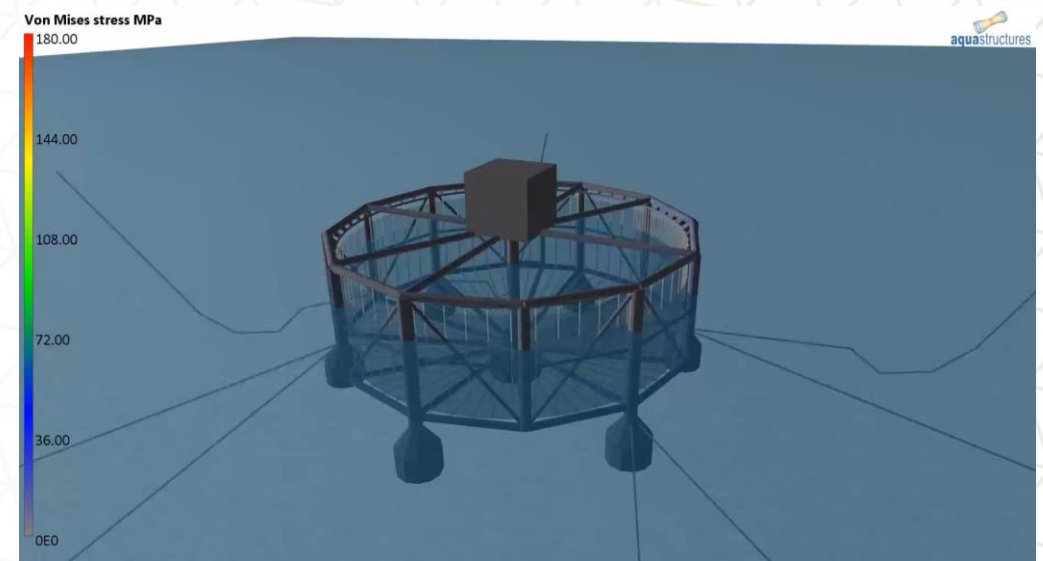
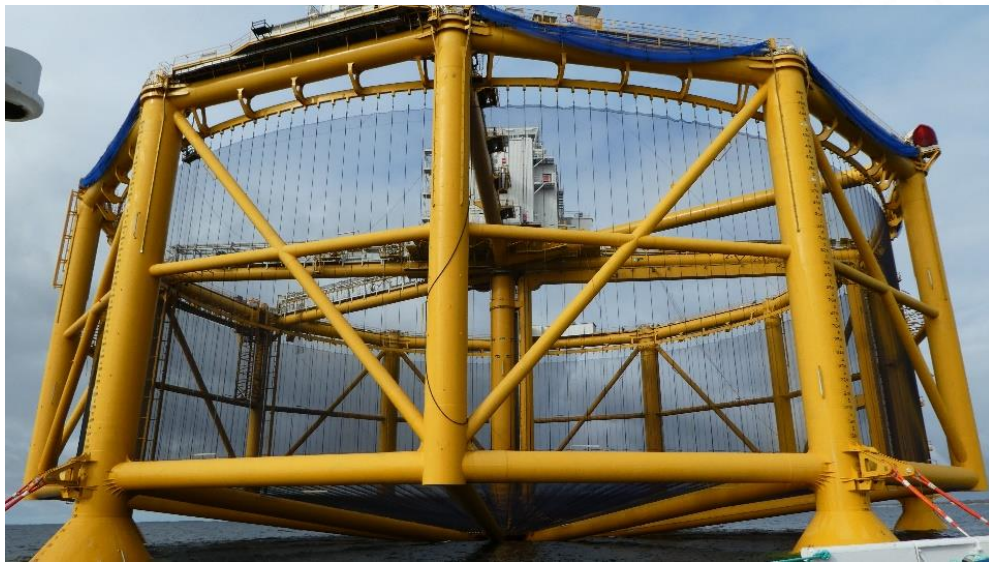






## Aquaculture project

### ❖ Marine Engineering

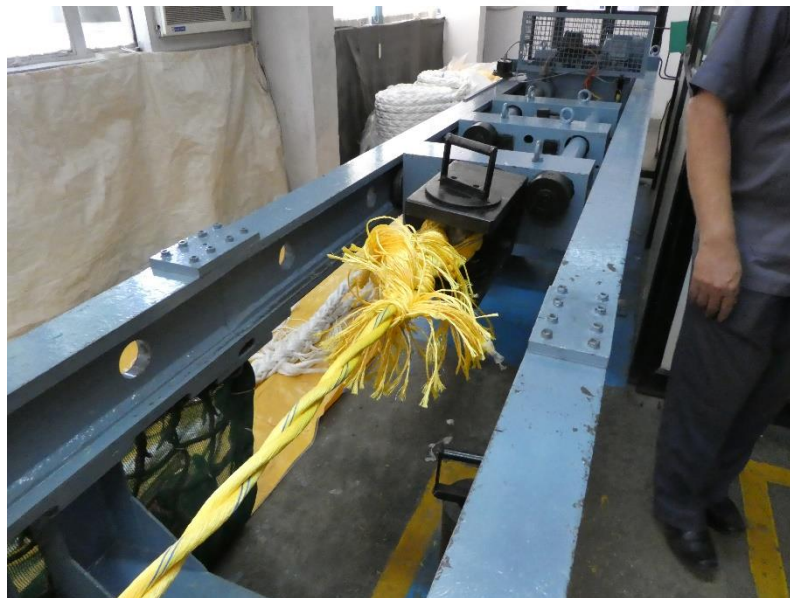






## 🐟 Aquaculture project

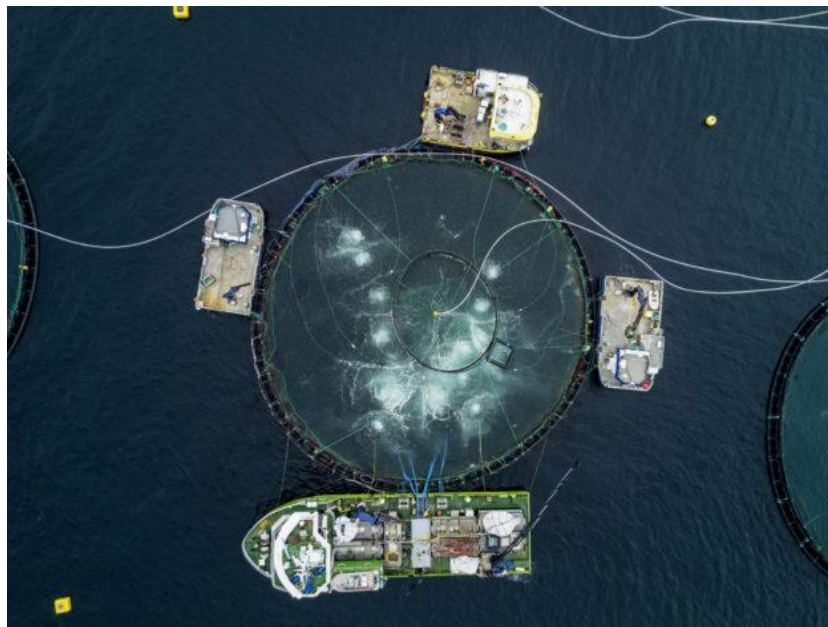
- ❖ Certification suppliers & products





## 🔗 Aquaculture project

- ❖ Certification service providers







## Aquaculture project

- ❖ Example salmon farm





# Aquaculture project

## ❖ Lokalitet Vedøya

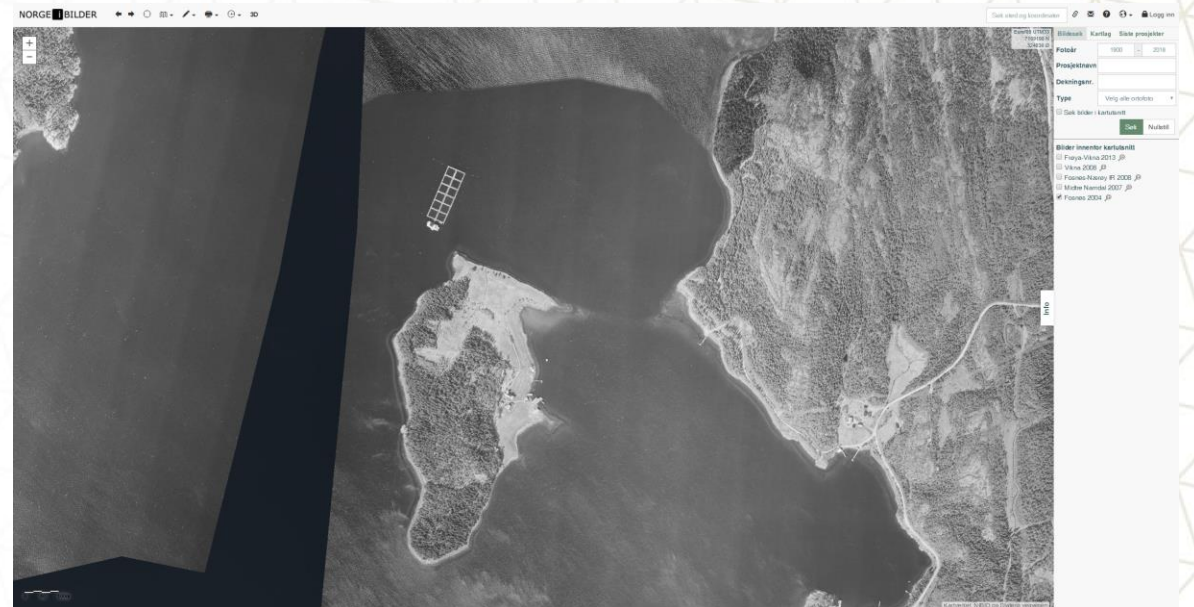






# 🔗 Aquaculture project

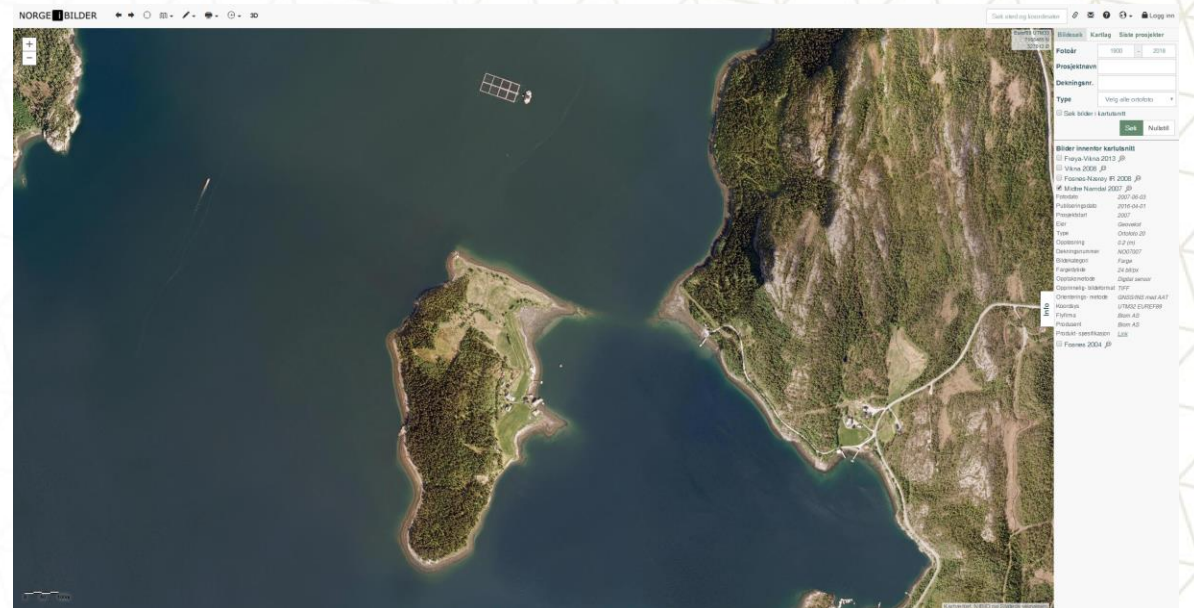
## ❖ Site Vedøya history -> 2004





# Aquaculture project

## ❖ Site Vedøya 2007

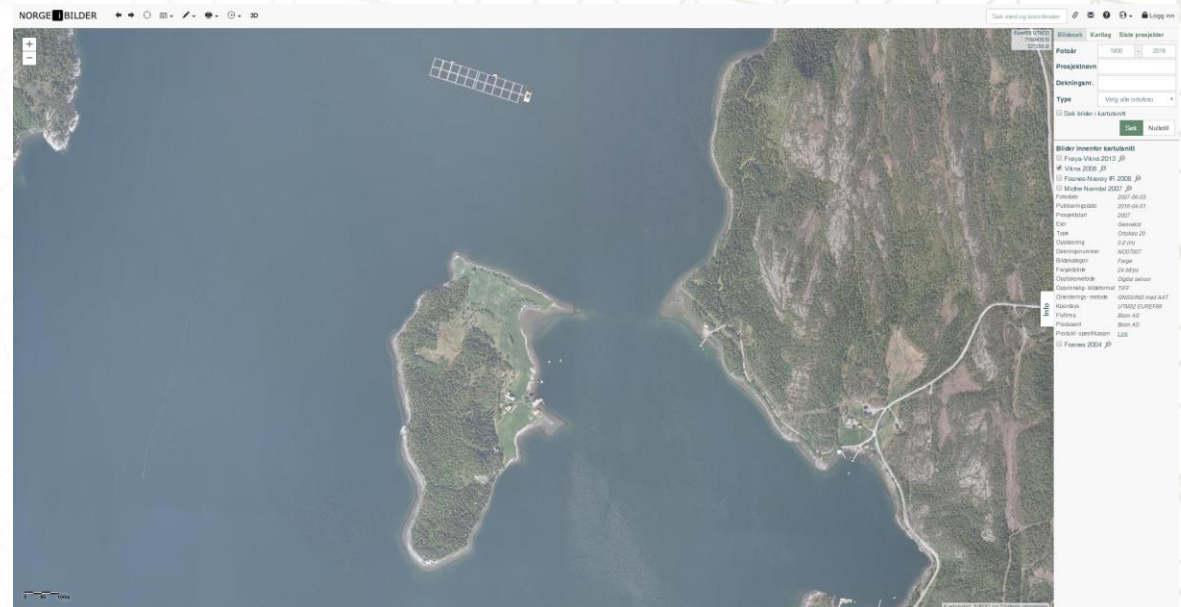






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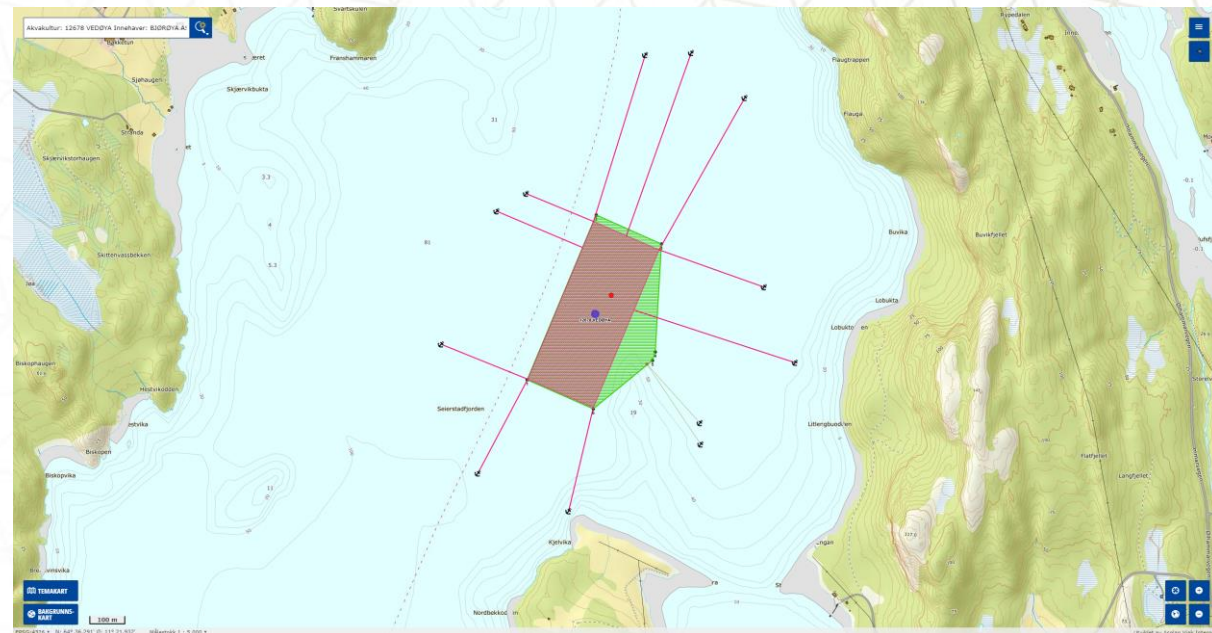
## ❖ Site Vedøya 2008





# Aquaculture project

## ❖ Site Vedøya today

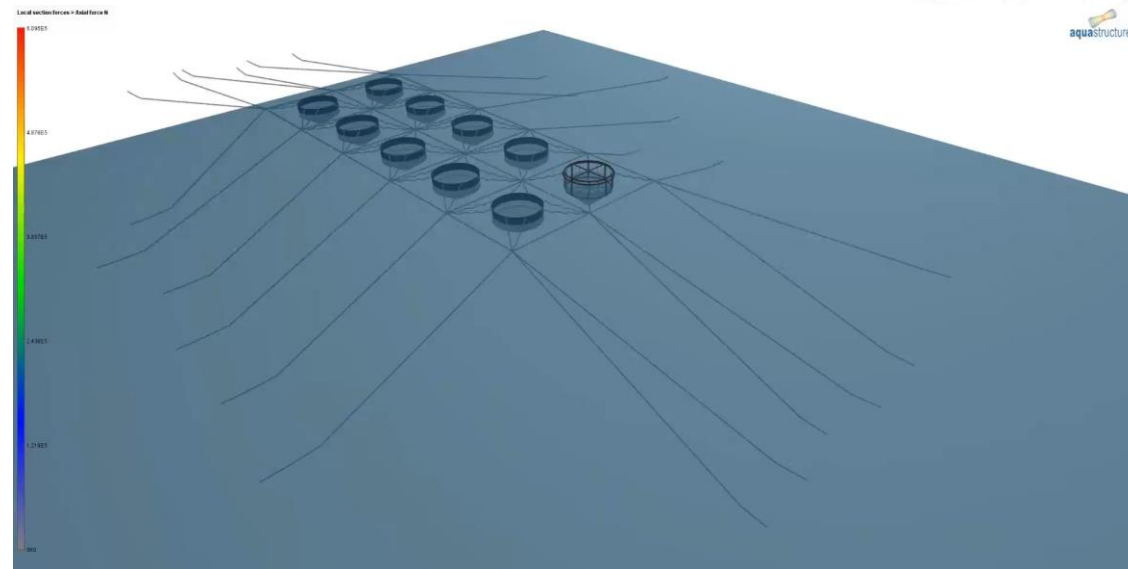






# Aquaculture project

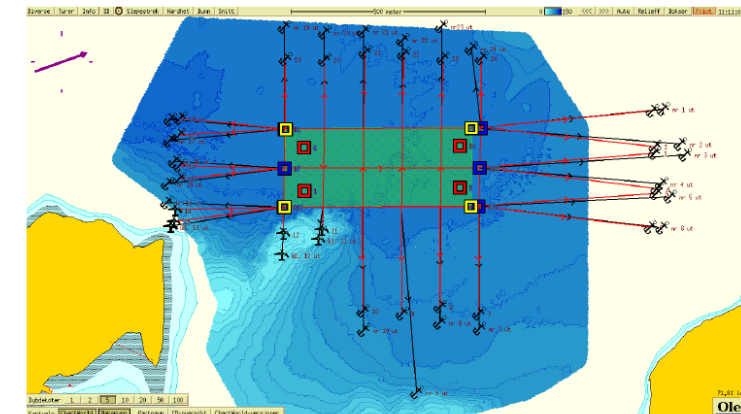
## ❖ Site Vedøya today



## Fortøyningsanalyse rammefortøying

TR-30253-4301-1

Revisjon 2



Figur 1 Olexplot av lokalitet Vedøya

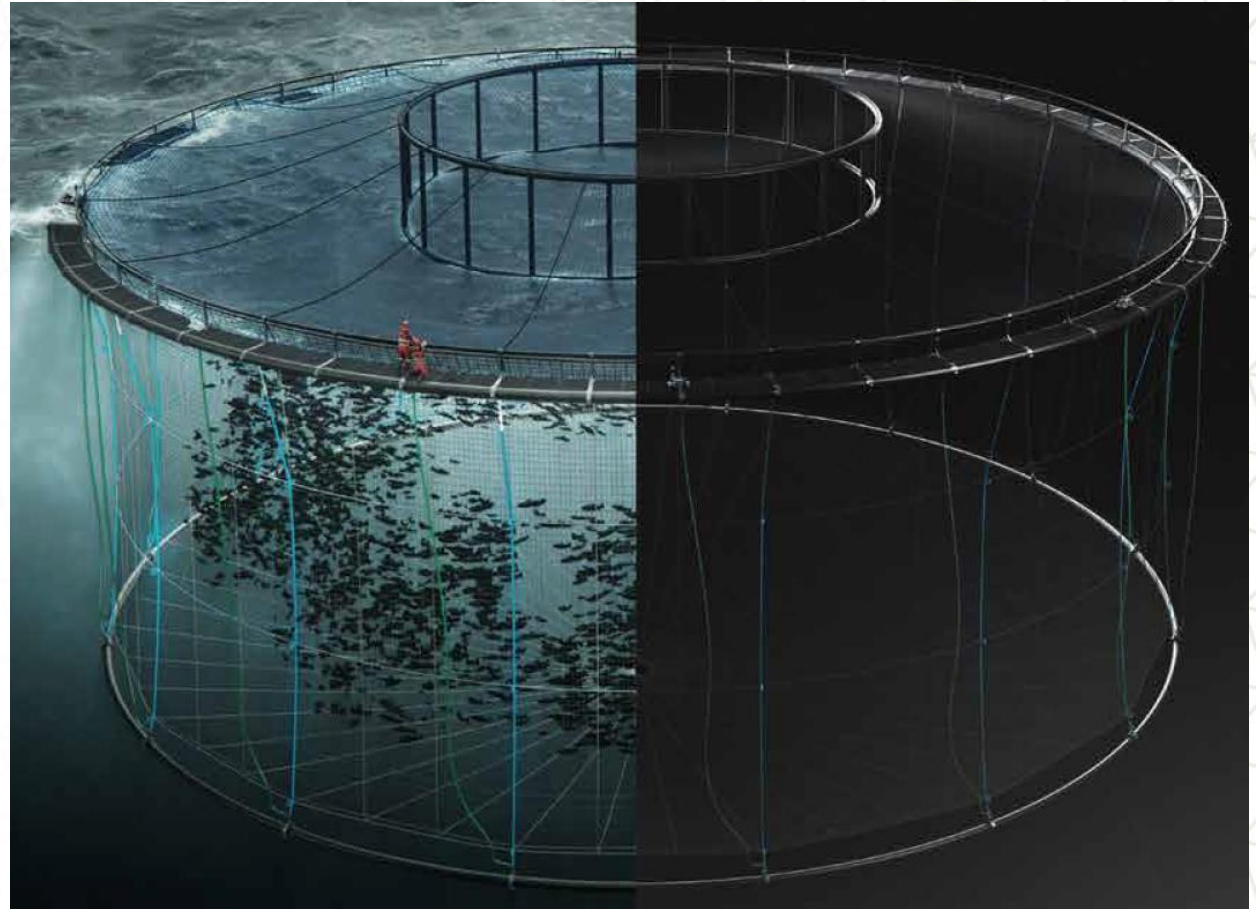
Lokalitet: Vedøya

Oppdragsgiver: Midt-Norsk Havbruk



# Aquaculture project

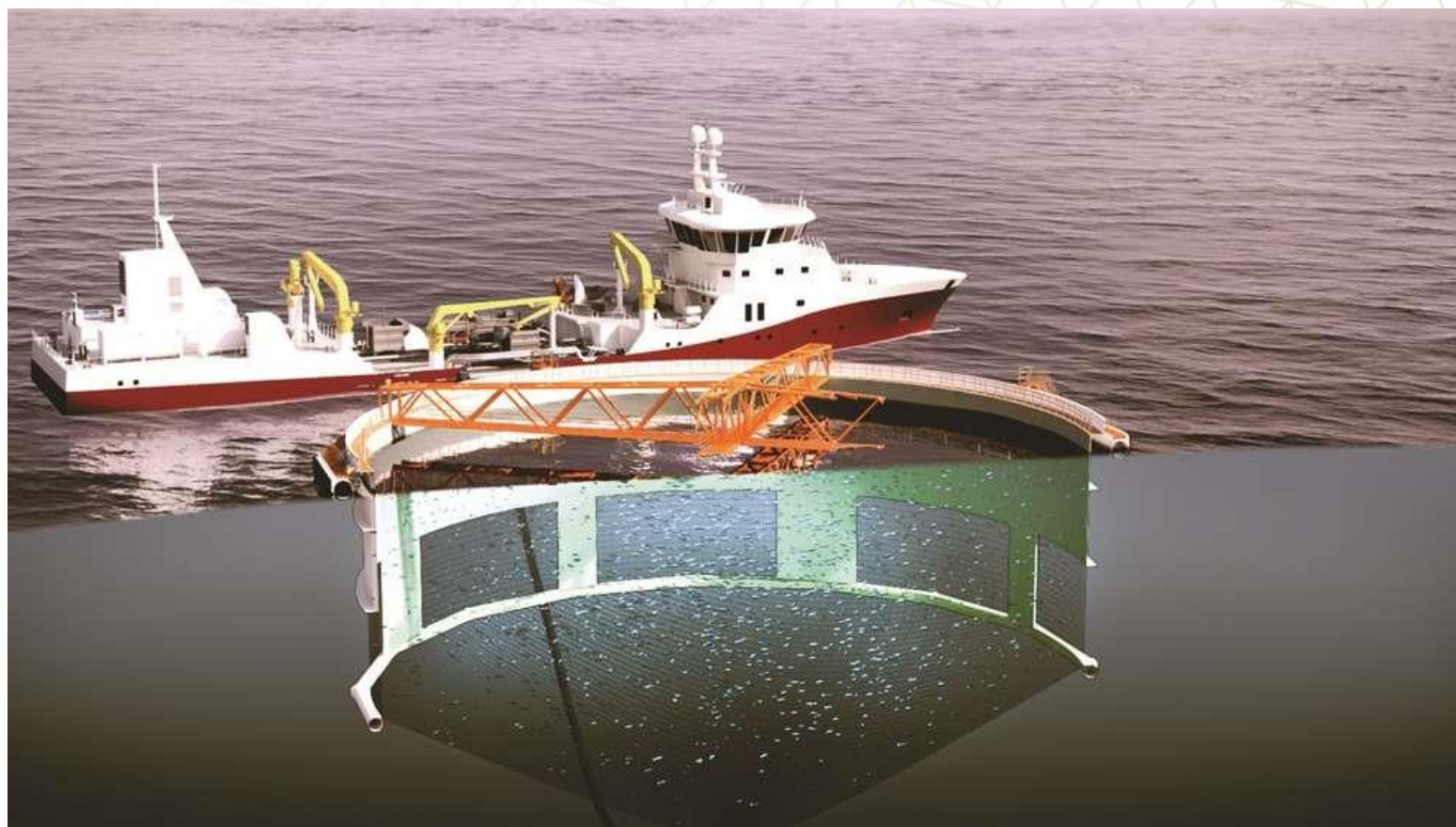
## ❖ Site Vedøya today







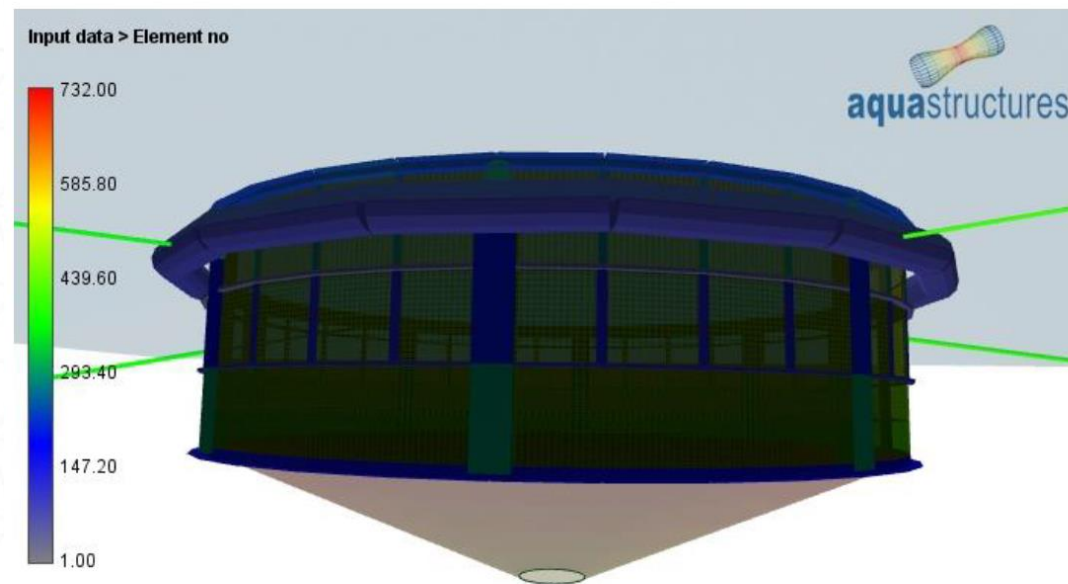
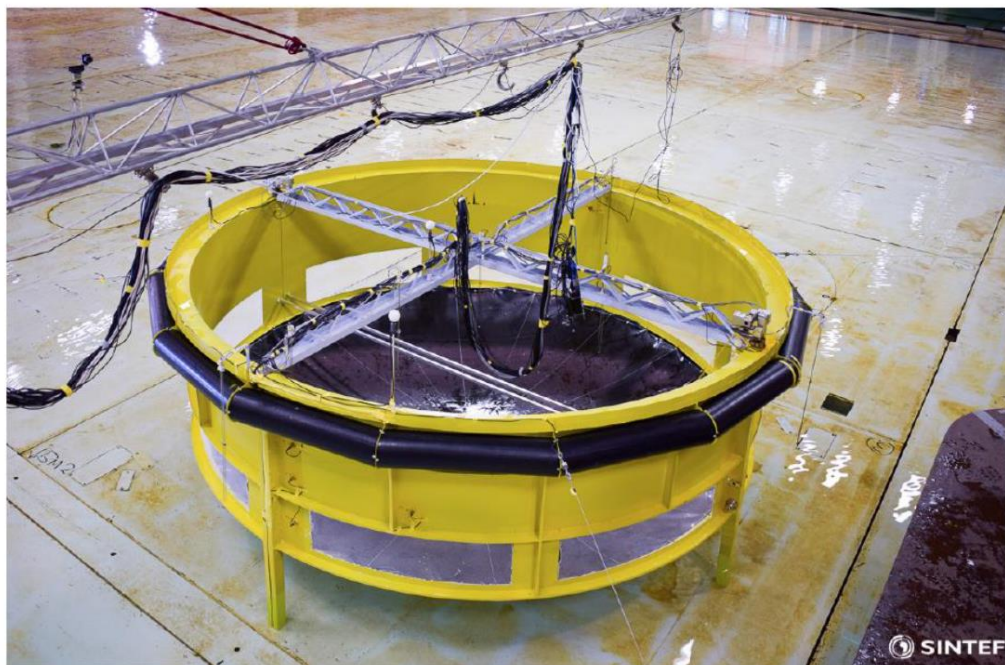
# Aquaculture project ❖ Site Vedøya today





## 🔗 Aquaculture project

### ❖ Site Vedøya today







# Aquaculture project

## ❖ Site Vedøya today



Inspeksjonsrapport, anleggssertifikat  
IR-30253-4360-1



Bilde 1: Bilde tatt under inspeksjon 13.09.2017.

Lokalitet: Vedøya  
Kunde: Midt-Norsk Havbruk AS

