

# Your partner for Equipment and Service in the Fish Farming Industry



**Knut Bjarte Otterlei (1968)**

Sales Manager

Several years of experience in fish and smolt production as well as close to 20 years as sales manager at suppliers to the aquaculture industry

**Aqua-Ice, September 30th and October 1st 2025**





# Feeding barges

The last thirty years our employees have been designing and produced more than 200 feeding barges for the fish farming industry.

We have very competent design department which have long experience from boat- and barge design. Fluctus have all drawing competence inhouse. All drawings in 3D.



**fluctus as**  
www.fluctus.no

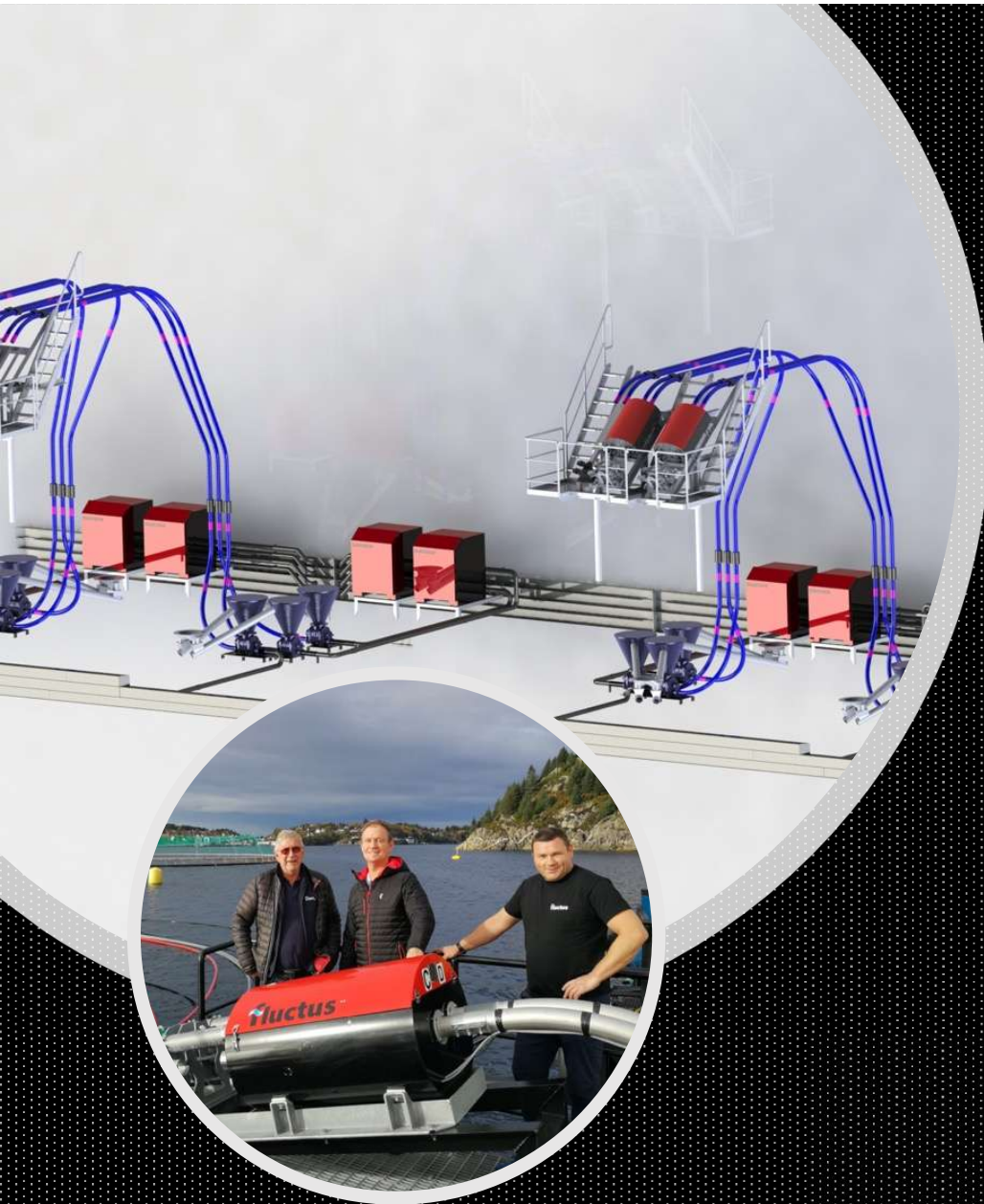


# Fluctus feeding systems

- Our employees have delivered approx. 1,000 feeding system projects
- Feeding systems on sea- and landsites
- Air- and water borne systems and hopper systems
- Software with focus on stability and ease of use



**fluctus as**  
[www.fluctus.no](http://www.fluctus.no)





## Spreaders

- Robust spreaders for all environments
- Motorized spreaders, where the user can decide where to supply the feed in the cage

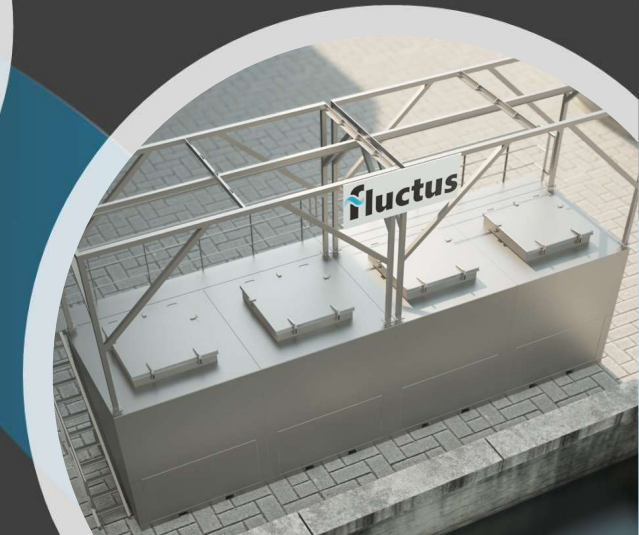
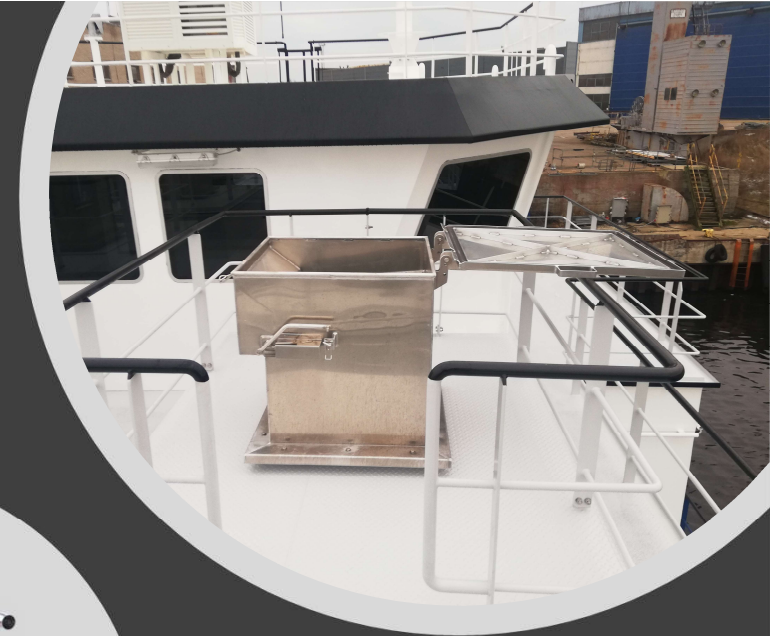
## Silos

- Custom made silos for both land-based and sea-based fish farming

## Silo hatches

## Ensilage systems / grinders

- To be used at feeding barges or at landbase.
- Stationary and mobile systems.
- Ensilage systems can be delivered with own software with automatic dosing of acid.

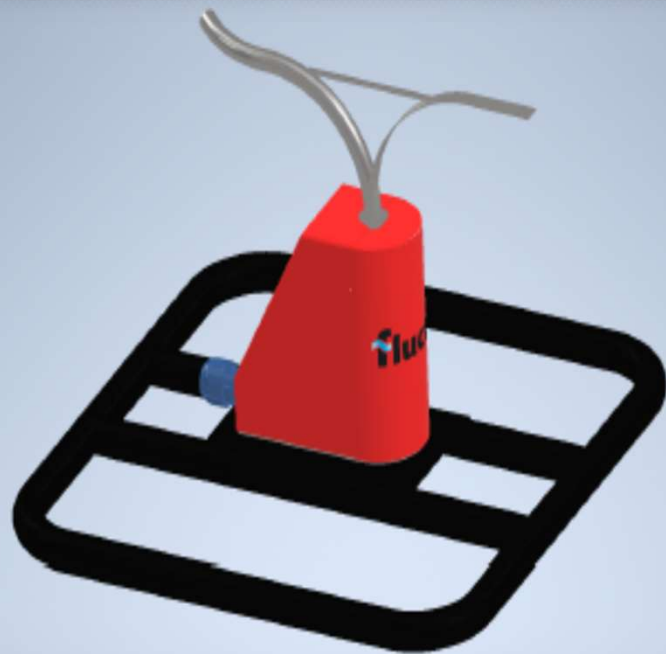






# FLUCTUS Motorised spreader





### Motorized spreader– Idea and Development

We know that fish grows at different rate in cages. You have some that grows very fast, the big majority that grows “normal” and some that grows slower. And at the end a few that develop poorly, “losers”.

We also saw that the way of spreading the feed in cages have been almost the same for decades. Small differences between different type of spreading.

We were thinking if we could distribute the feed in the cage in a way that expose the whole stock for feed without giving benefit for the strongest individuals

By using motor to spread the feed we reach the whole cage

- 60-700m<sup>2</sup> compared to 60-80m<sup>2</sup> for a traditional rotating spreader
- An increased focus on the environment
- Less microplastic in the sea
- Less crushing



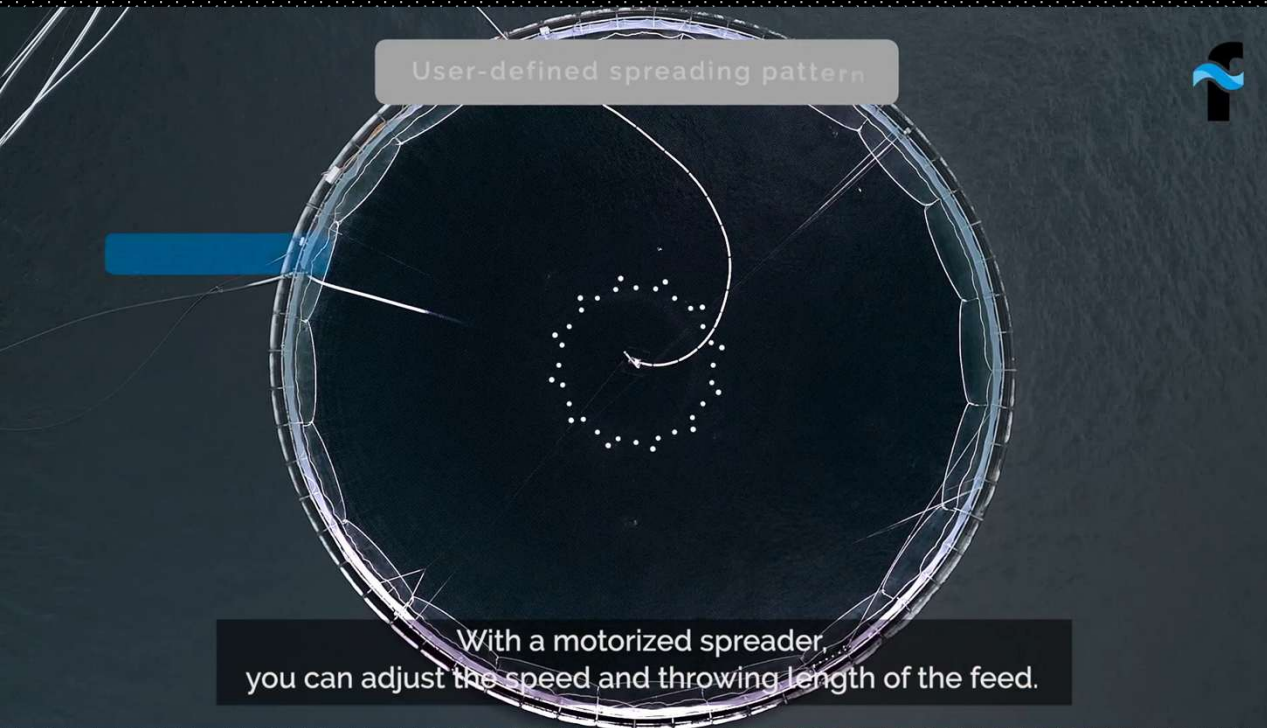


## Motorized spreader– What we discovered

### Benefit in production:

- More even size of the fish because of better access to the feed
- Faster growth, especially on smolt and smaller fish
- Less damages on the fish because of less fighting for the feed
- Lower feed factor
- Less breakage and dust from the feed because of reduced speed in the feed pipes
- More intensive feeding on short days





## Motorized spreader– What we discovered

### Environmental benefits:

- Reduced damages on feeding pipes - up to 40%
- Less micro plastic in the sea
- Lower power consumption - We saw that we could reduce the speed on the blowers with an average on approx. 30%





# WE are Fluctus



## Austevoll

Kolbeinsvik 109  
5394 Kolbeinsvik  
Veibeskrivelse

Send e-post  
400 91 061



## Bergen

Kokstadflaten 21  
5257 Kokstad  
Veibeskrivelse

Send e-post  
400 91 081



## Færøene

Send e-post  
+298 594033



## Ålesund

Send e-post  
400 99 294



## Nord-Norge

Send e-post  
413 29 997



**Raymond Horne**  
Service technician /  
project manager  
M: raymond.horne@fluctus.no  
T: +47 94791958



**Trond Vassnes**  
Service technician  
M: trond.vassnes@fluctus.no  
T: +47 40091086



**Nils Håvard Vassnes**  
Service technician  
M: nils@fluctus.no  
T: +47 40091001



**Mathias Hissliad**  
Service technician  
M: mathias.hissliad@fluctus.no  
T: +47 91524211



**Kenneth Sele**  
Service technician  
M: ksele@fluctus.no  
T: +47 91715949



**Tommy Blix**  
Service technician  
M: tommy.blix@fluctus.no  
T: +47 401 90 220



**Tomas H. Vassnes**  
Service technician  
M: tomas.vassnes@fluctus.no  
T: +47 90053994



**Thomas Thomassen**  
Service technician Northern Norway  
M: thomas.thomassen@fluctus.no  
T: +47 433 29 997



**Thomas Kildal**  
Service technician  
M: thomas.kildal@fluctus.no  
T: +47 401 88 609



**Rolf Hatlevik**  
Project manager  
M: rolf.hatlevik@fluctus.no  
T: +47 40091061



**Rumer Hatlevik**  
Project manager  
M: rumer.hatlevik@fluctus.no  
T: +47 40091061



**Frode Haugen**  
Project manager  
E: frode.haugen@fluctus.no  
T: +47 41534111



**Knut Bjarte Otterlei**  
Project manager in central Norway  
M: knut@fluctus.no  
T: +47 40091094



**Alf Helge Møglster**  
Project manager  
M: alf@fluctus.no  
T: +47 40091909



**Øystein Bjørnesøy**  
Project manager  
M: oystein@fluctus.no  
T: +47 40091064



**Harald Lønn**  
Marketing director  
M: harald.lonn@fluctus.no  
T: +47 41111146



**Daniel Espedal**  
Assistant  
M: daniel.espedal@fluctus.no  
T: +47 41508437



**Malvinus I Gong**  
Project manager software  
M: malvinus@fluctus.no  
T: +298 594033



**Etienne Rouxel**  
Programmer  
M: etienne.rouxel@fluctus.no  
T: +47 400 91 070



**Mats Storebo**  
Programmer  
M: mats.storebo@fluctus.no  
T: +47 952 96 085



**Aleksei Kulieshov**  
Programmer  
M: ak@fluctus.no



**Trygve Herskedal**  
Trainee

**fluctus as**  
www.fluctus.no

**fluctus as**  
www.fluctus.no