



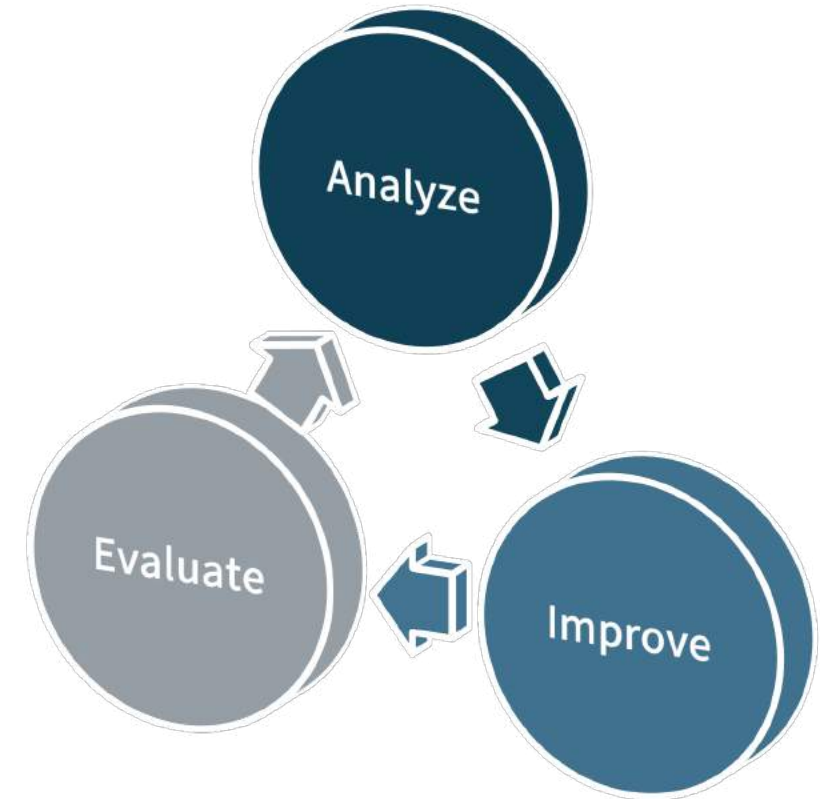
Bremnes Seashore

05.02.2021

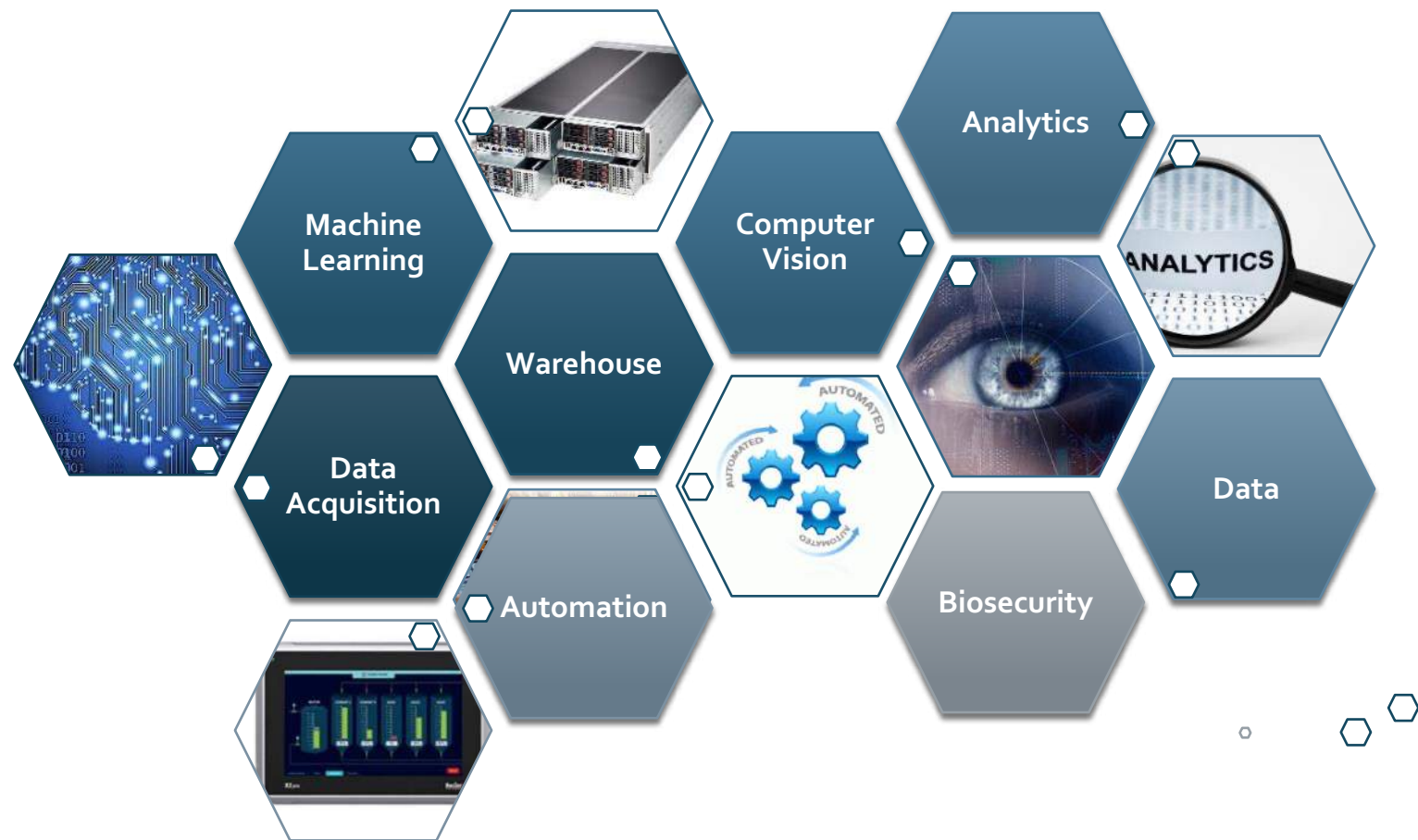
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# AMAR INNOTECH

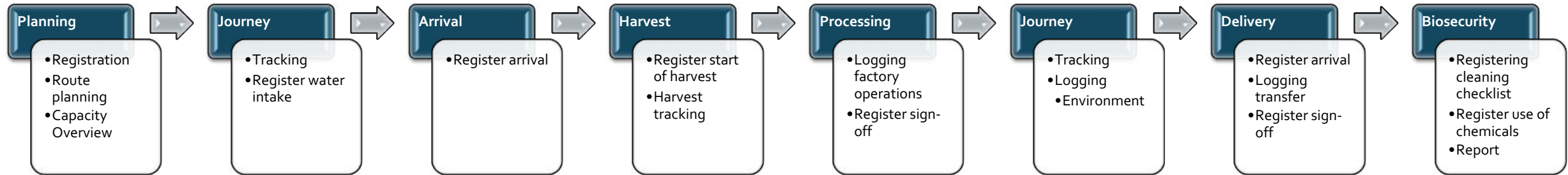
- Developing value-driven innovative solutions
- Closing the gap between hardware and software to create end-to-end solutions for the entire value-chain
- Long history within the Aquaculture industry
- Streamlining operations to
  - **Increase understanding**
  - **Increase value**
  - **Optimize**



# TOOLBOX



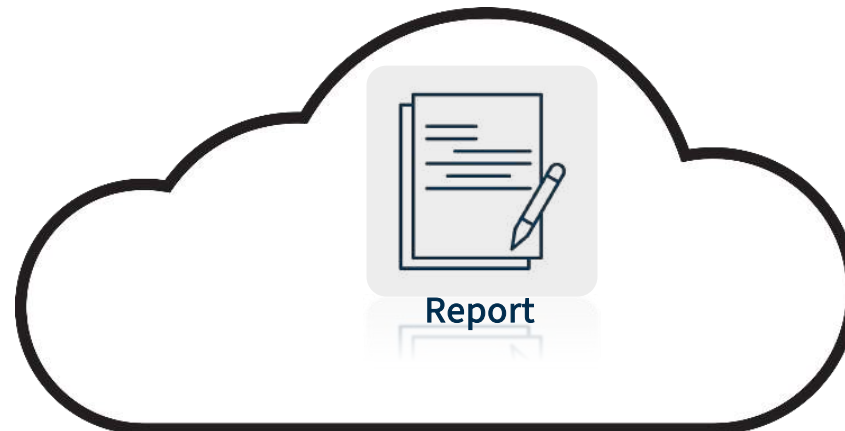
# OCEAN PLANNER



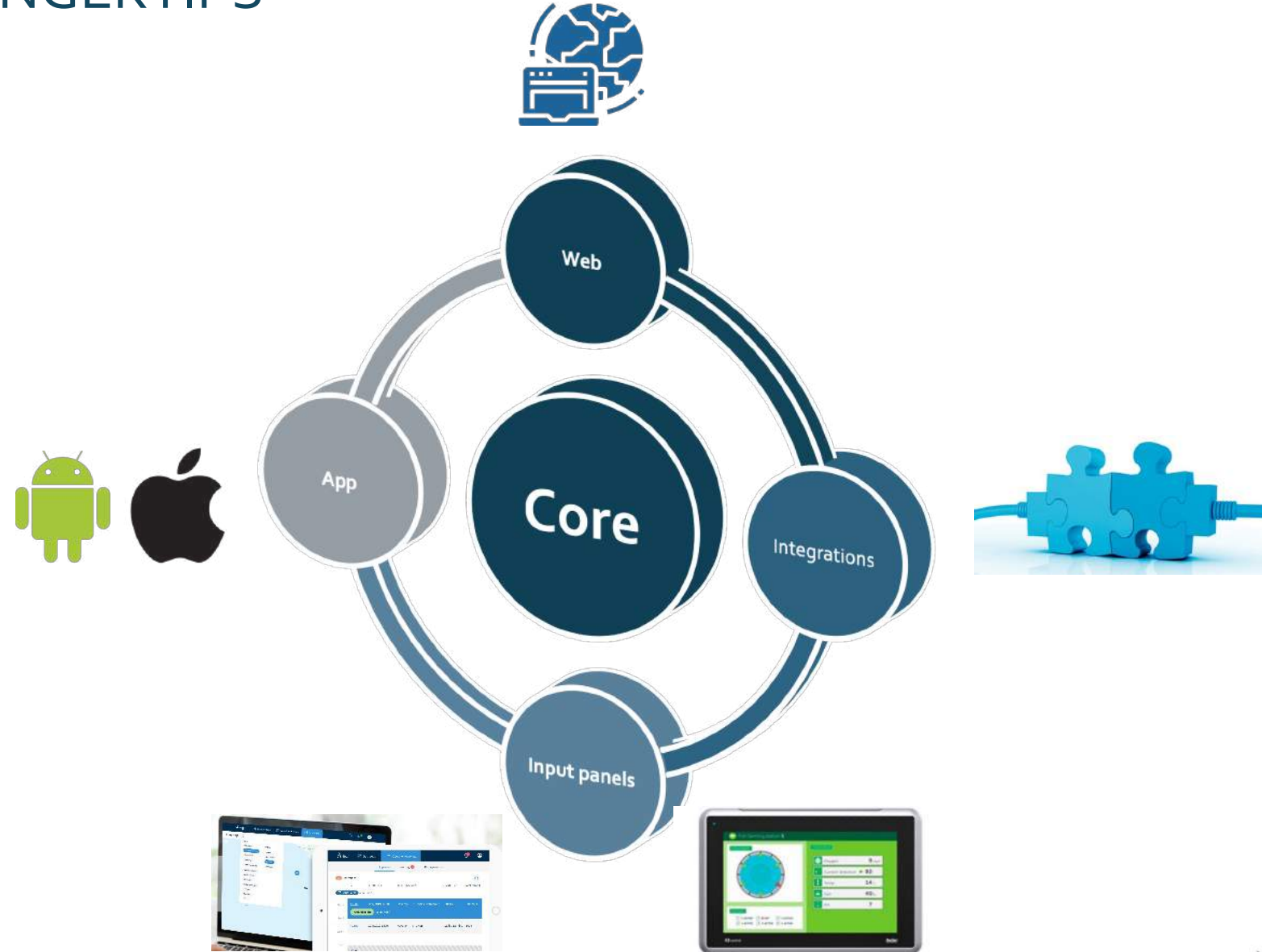
Live monitoring



Traceability



# DATA AT YOUR FINGERTIPS





Planning, monitoring and quality control of your operations

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**SYNERGY**

**Seafood Company**

**Ocean Planner**



**Vessel**

*Amar*

# MODULES



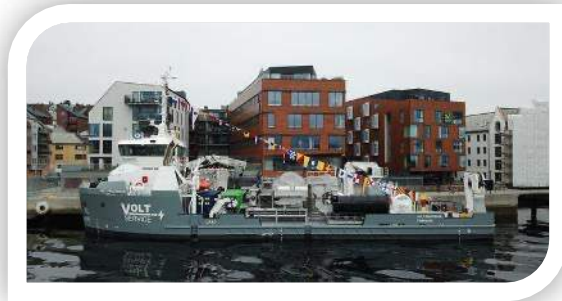
**Harvest**  
WELLBOAT AND PROCESS VESSEL



Quality



Vessel app



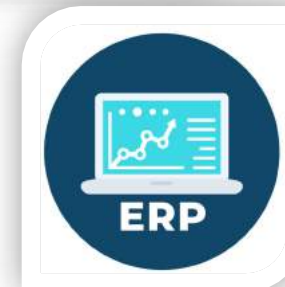
**Treatment**  
WELLBOAT AND TREATMENT VESSEL



Biosecurity



Smolt transport



ERP / Integrations


*Amar*





Dashboard

## Live map

  Search for vessel, site, factory name 

## Today's operations

## Taumar

Process

Contact number: +47 926 95 888

Capacity: 300 tons



Current speed/ Course: 2 knots/ 0

Latitude: 0,0000851422

Longitude: 0,0000851422

Updated 2 mins ago

Status: Travelling to site



#1254fR

[Previous activities](#)

## Taumar - Travelling to factory

Current speed/heading:

0.08 knts/ 3°

Cargo:

250.555/300 t

Latitude: 57.12345678925365

Longitude: -6.2154789632523658

Position received 1hrs 20 mins ago

Norway

- Live map of operations
- OpETA
- Operational status
- (Future) Biosecurity overlay

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The logo consists of a stylized, interlocking infinity symbol or figure-eight shape. The left loop is dark blue, and the right loop is a light teal color. To the right of this symbol, the words "OCEAN PLANNER" are written in a dark blue, sans-serif, uppercase font.

# OCEAN PLANNER

## Operation Overview

Taupo ×

Gåsø Freyja ×

Taupiri ×



March 2020

Mon

Tue

Wed

Thu

Fri

Sat

Sun

## Taupo

Process vessel

320 tons

11 knot



80% Overtime



8 hrs Event



300 hrs Harvest

[View one week](#)[View full](#)

Week 10

#121 Kongsmoelva, 4,5

#121 Kon...

#109 Kjerneset, 3 → Ryfisk Hjem...

#111 Kjerneset, 5 → Ryfisk Hjem...

#117 Bremnessvaet, 1, 3 → Ryfisk Hjem...

Week 11

#116 Bremnessvaet, 5 → Ryfisk Hjemeland

#121 Kongsmoelva, 4,5 → R...

#117 Bremnessvaet, 1, 3 → Ryfisk Hjem...

#118 Mannbruholmen, 1,2 →

Week 12

#120 Kongsmoelva, 5 → Ryfisk Hjemeland

Waiting

#121 Kongsmoelva, 4,5 → Ryfisk...

#121 Kongsmoelva, 4,5 → R...

#121 Kongsmoelva, 4,5 → R...

Week 13

#121 Kongsmoelva, 4,5 → R...

#122 Oksebasena, 5,6 → Ryfisk Hjemeland

#119 Kongsmoelva, 3 → Ryfisk Hjemeland

New

#121 Kongsmoelva, 4,5 → R...

Week 14

#121 Kongsmoelva, 4,5

#121 Kon...

#121 Kongsmoelva, 4,5 → R...

#119 Kongsmoelva, 3 → Ryfisk Hjemeland

New

#118 Mannbruholmen, 1,2 →

## Gåsø Freyja

Wellboat

400 tons

11 knot



80% Overtime



8 hrs Event



300 hrs Harvest



55 hrs Treatment



80 hrs Smolt transport

[View one month](#)[View full](#)

Week 10

#108 Kjerneset, 3 → Ulvan

Completed

#110 Kjerneset, 2,4 → Ulvan

Smolt transport Jektvika II → Kj...

Ongoing

#114 Krabbestig, 1,2 → Ulvan

Approved

## Taupiri

Process vessel

320 tons

10 knot



80% Overtime



8 hrs Event



300 hrs Harvest

[View one month](#)[View full](#)

Week 10

#119

Re-fuel

Ongoing

#112 Krabbestig, 3 → Ulvan

#113 Kongsmoelva, 1 → Ulvan

#115 Kongsmoelva, 1 → Ulvan

Approved

- Vessel utilization overview

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The logo consists of a stylized infinity symbol or interlocking loop. The left loop is dark blue, and the right loop is a light teal color with a slight gradient.

# OCEAN PLANNER

Plan Operation



## Biology browser

Bessake



From AVG Weight g

To AVG Weight g

Only show planned harvests ☐

| <input type="checkbox"/>            | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|-------------------------------------|-------------|--------|------------|--------------|
| <input checked="" type="checkbox"/> | Bessake, M1 | 200000 | 4000 gr    | 800 t        |
| <input type="checkbox"/>            | Bessake, M3 | 155500 | 4200 gr    | 653.1 t      |
| <input type="checkbox"/>            | Bessake, M5 | 100550 | 4500 gr    | 452.475 t    |
| <input type="checkbox"/>            | Bessake, M5 | 100550 | 4500 gr    | 452.475 t    |

| <input type="checkbox"/> | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|--------------------------|-------------|--------|------------|--------------|
| <input type="checkbox"/> | Bessake, M2 | 150000 | 4100 gr    | 615.1 t      |
| <input type="checkbox"/> | Bessake, M4 | 100550 | 4600 gr    | 462.53 t     |
| <input type="checkbox"/> | Bessake, M6 | 120500 | 4500 gr    | 542.25 t     |
| <input type="checkbox"/> | Bessake, M5 | 100550 | 4500 gr    | 452.475 t    |

- Planning view
- Drag and click operations

Plan 25

All vessels ▾

Jump to a week ▾

Simple

Detailed



Reset

Save

Send plan to vessels

2020 - W 08

Mon 02/02

TAUPO - PV 320

GÅSØ FREYJA - WB 400

TAUPIRI - PV 320

TAURANGA - PV 320

MERDØ - PV 320

Tue 03/02

#1 Kjerneset, 5 → Ryfisk Hjel...  
280 t CompletedSmolt transport 12 hrs  
Bessake → Leite Completed#2 Kjerneset, 5 → Ulvan  
280 t Completed#3 Krabestig, 5,6 → Ryfisk Hjel...  
280 t Completed#4 Kongsmoelva, 4,5 → Ryfisk Hj...  
280 t Completed

Wed 04/02

#5 Bremnessvaet, 5 → Ryfisk Hj...  
280 t Completed#6 Mannbruholmen, 2,3 → Ulvan  
280 t Completed#7 Mannbruholmen, 2,3 → Ryfisk ...  
280 t Completed

Thu 05/02

02: 50

#10 Bremnessvaet, 5, 3 → Ulvan  
280 t On going

Fri 06/02

#9 Bremnessvaet, 5 → Ryfisk Hjel...  
300 t Waiting#11 Bremnessvaet, 1 → Ulvan  
280 t Approved#12 Kjerneset, 5 → Ryfisk Hjelme...  
280 t Approved#13 Kjerneset, 1 → Ryfisk Hjelme...  
280 t Waiting

Sat 07/02

Sun 08/02

Re-fuel  
8 hrs#14 Mannbruholmen, 1 → Ryfisk ...  
250 t Saved

## Biology browser

Bessake



From AVG Weight g

To AVG Weight g

Only show planned harvests ☐

| <input type="checkbox"/>            | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|-------------------------------------|-------------|--------|------------|--------------|
| <input checked="" type="checkbox"/> | Bessake, M1 | 200000 | 4000 gr    | 800 t        |
| <input type="checkbox"/>            | Bessake, M3 | 155500 | 4200 gr    | 653.1 t      |
| <input type="checkbox"/>            | Bessake, M5 | 100550 | 4500 gr    | 452.475 t    |
| <input type="checkbox"/>            | Bessake, M5 | 100550 | 4500 gr    | 452.475 t    |

| <input type="checkbox"/> | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|--------------------------|-------------|--------|------------|--------------|
| <input type="checkbox"/> | Bessake, M2 | 150000 | 4100 gr    | 615 t        |
| <input type="checkbox"/> | Bessake, M4 | 100550 | 4600 gr    | 462.575 t    |
| <input type="checkbox"/> | Bessake, M6 | 120500 | 4500 gr    | 542.25 t     |
| <input type="checkbox"/> | Bessake, M5 | 100550 | 4500 gr    | 452.475 t    |

- Planning view
- Drag and click operations

Plan 25

All vessels ▾

Jump to a week ▾

Simple

Detailed



Reset

Save

Send plan to vessels

| 2020 - W 08         | TAUPO - PV 320   | GÅSØ FREYJA - WB 400   | TAUPIRI - PV 320   | TAURANGA - PV 320   | MERDØ - PV 320  |
|---------------------|--|--|--|---|---|
| Mon 02/02           |  |  | #2 Kjerneset, 5 → Ulvan 280 t <span>Completed</span>       | #3 Krabestig, 5,6 → Ryfisk Hjel... 280 t <span>Completed</span> | #4 Kongsmoelva, 4,5 → Ryfisk Hj... <span>Completed</span><br>#8 Bremnessvaet, 1,2 → Ryfisk ... <span>Completed</span> |
| Tue 03/02           | #1 Kjerneset, 5 → Ryfisk Hjel... 280 t <span>Completed</span>  | Smolt transport 12 hrs <span>Completed</span><br>Bessake → Leite |  |   |   |
| Wed 04/02           | #5 Bremnessvaet, 5 → Ryfisk Hj... 280 t <span>Completed</span> |  | #6 Mannbruholmen, 2,3 → Ulvan 280 t <span>Completed</span> | #7 Mannbruholmen, 2,3 → Ryfisk ... 280 t <span>Completed</span> |   |
| Thu 05/02<br>02: 50 |  | #10 Bremnessvaet, 5, 3 → Ulvan 280 t <span>On going</span>       |  |   |   |
| Fri 06/02           | #9 Bremnessvaet, 5 → Ryfisk Hjel... 300 t <span>Waiting</span> |  | #11 Bremnessvaet, 5 → Ryfisk Hjel... 280 t                 | #12 Kjerneset, 5 → Ryfisk Hjelme... 280 t <span>Approved</span> | #13 Kjerneset, 1 → Ryfisk Hjelme... 280 t <span>Waiting</span>  |
| Sat 07/02           |  |  |  |   |   |
| Sun 08/02           | Re-fuel 8 hrs  |  |  | #14 Mannbruholmen, 1 → Ryfisk ... 250 t <span>Saved</span>      |   |

## Biology browser

Bessake 🔍

From AVG Weight g

To AVG Weight g

Only show planned harvests ☐

| <input type="checkbox"/>            | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT | <input type="checkbox"/> | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|-------------------------------------|-------------|--------|------------|--------------|--------------------------|-------------|--------|------------|--------------|
| <input checked="" type="checkbox"/> | Bessake, M1 | 200000 | 4000 gr    | 800 t        | <input type="checkbox"/> | Bessake, M2 | 150000 | 4100 gr    |              |
| <input type="checkbox"/>            | Bessake, M3 | 155500 | 4200 gr    | 653.1 t      | <input type="checkbox"/> | Bessake, M4 | 100550 | 4600 gr    |              |
| <input type="checkbox"/>            | Bessake, M5 | 100550 | 4500 gr    | 452.475 t    | <input type="checkbox"/> | Bessake, M6 | 120500 | 4500 gr    |              |
| <input type="checkbox"/>            | Bessake, M5 | 100550 | 4500 gr    | 452.475 t    | <input type="checkbox"/> | Bessake, M5 | 100550 | 4500 gr    |              |

- Right click free time to add special events like:
  - Re-fueling
  - Quarantine
  - Etc.

Plan 25

All vessels ▾

Jump to a week ▾

Simple

Detailed



2020 - W 08

Mon 02/02

TAUPO - PV 320

GÅSØ FREYJA - WB 400

TAUPIRI - PV 320

TAURANGA - PV 320

MERDØ - PV 320

Tue 03/02

#1 Kjerneset, 5 → Ryfisk Hjel...  
280 t Completed Smolt transport 12 hrs Completed  
Bessake → Leite#2 Kjerneset, 5 → Ulvan Completed  
280 t#3 Krabestig, 5,6 → Ryfisk Hjel... Completed  
280 t#4 Kongsmoelva, 4,5 → Ryfisk Hj... Completed  
#8 Bremnessvaet, 1,2 → Ryfisk ... Completed

Wed 04/02

#5 Bremnessvaet, 5 → Ryfisk Hj... Completed  
280 t#10 Bremnessvaet, 5, 3 → Ulvan On going  
280 t#6 Mannbruholmen, 2,3 → Ulvan Completed  
280 t#7 Mannbruholmen, 2,3 → Ulvan Completed  
280 t

Thu 05/02

02: 50

Fri 06/02

#9 Bremnessvaet, 5 → Ryfisk Hjel... Waiting  
300 t#11 Bremnessvaet, 1 → Ulvan Approved  
280 t#12 Kjerneset, 5 → Ryfisk Hjel... Waiting  
280 tHjelmeland Waiting

Sat 07/02

Sun 08/02

Re-fuel 8 hrs

#14 Mannbruholmen, 2,3 → Ulvan Waiting  
250 t

## Tauranga - New event

Type

Custom

Description

Start time

12/10/2020 20:30

End time

13/10/2020 4:30

Duration

6 hrs

Plan event



## Biology browser

Bessake



From AVG Weight g

To AVG Weight g

Only show planned harvests ☐

| <input type="checkbox"/>            | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT | <input type="checkbox"/> | SITE , UNIT | AMOUNT | AVG WEIGHT |
|-------------------------------------|-------------|--------|------------|--------------|--------------------------|-------------|--------|------------|
| <input checked="" type="checkbox"/> | Bessake, M1 | 200000 | 4000 gr    | 800 t        | <input type="checkbox"/> | Bessake, M2 | 150000 | 4100 gr    |
| <input type="checkbox"/>            | Bessake, M3 | 155500 | 4200 gr    | 653.1 t      | <input type="checkbox"/> | Bessake, M4 | 100550 | 4600 gr    |
| <input type="checkbox"/>            | Bessake, M5 | 100550 |            |              |                          |             |        | 4500 gr    |
| <input type="checkbox"/>            | Bessake, M5 | 100550 |            |              |                          |             |        | 4500 gr    |

- Planning a harvest
- Drag unit(s) from biology browser to a vessel

Plan 25

2020 - W 08

TAUPO - PV 320

Mon 02/02

Tue 03/02

Wed 04/02


Thu 05/02

02: 50

Fri 06/02

Sat 07/02

Sun 08/02

 Re-fuel  
8 hrs

## Taupiri, PV 320 - Plan harvest



|             |         |         |       |   |
|-------------|---------|---------|-------|---|
| Bessake, M1 | 100 000 | 4000 gr | 400 t | + |
| Bessake, M2 | 0       | 4000 gr | 0 t   | + |

|        | Unit | Factory | Amount | Total weight | Mortality risk | Waiting Unit                        |
|--------|------|---------|--------|--------------|----------------|-------------------------------------|
| Trip 1 | M1   | Ulvan   | 100000 | 400 t        | 100% Low       | <input checked="" type="checkbox"/> |
| Trip 2 | M2   | Ulvan   | 100000 | 400 t        | 100% Low       | <input checked="" type="checkbox"/> |

Cancel

Plan harvest

## Biology browser

Bessake



From AVG Weight g

To AVG Weight g

Only show planned harvests ☐

| <input type="checkbox"/>            | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT | <input type="checkbox"/> | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|-------------------------------------|-------------|--------|------------|--------------|--------------------------|-------------|--------|------------|--------------|
| <input checked="" type="checkbox"/> | Bessake, M1 | 200000 | 4000 gr    | 800 t        | <input type="checkbox"/> | Bessake, M2 | 150000 | 4100 gr    |              |
| <input checked="" type="checkbox"/> | Bessake, M3 | 155500 | 4200 gr    | 653.1 t      | <input type="checkbox"/> | Bessake, M4 | 100550 | 4600 gr    |              |
| <input type="checkbox"/>            | Bessake, M5 | 100550 |            |              |                          |             |        | 4500 gr    |              |
| <input type="checkbox"/>            | Bessake, M5 | 100550 |            |              |                          |             |        | 4500 gr    |              |

Plan 25

2020 - W 08

TAUPO - PV 320

Mon 02/02

Tue 03/02

Wed 04/02

Thu 05/02

02: 50

Fri 06/02

Sat 07/02

Sun 08/02

 Re-fuel  
8 hrsTaupiri, PV320 - Emergency harvest ×

|             |         |         |       |   |
|-------------|---------|---------|-------|---|
| Bessake, M1 | 200 000 | 4000 gr | 800 t | + |
| Bessake, M3 | 155500  | 4000 gr | 622 t | + |

|        | Unit | Factory          | Harvest duration |    |              | Mortality risk | Waiting Unit    |             |
|--------|------|------------------|------------------|----|--------------|----------------|-----------------|-------------|
| Trip 1 | M1   | <div>Ulvan</div> | <div>5</div>     | hr | <div>5</div> | min            | <div>high</div> | <div></div> |
| Trip 2 | M2   | <div>Ulvan</div> | <div>5</div>     | hr | <div>5</div> | min            | <div>high</div> | <div></div> |

Cancel

Plan harvest

- Planning a harvest
- Drag unit(s) from biology browser to a vessel

MERDØ - PV 320

#4 Kongsmoelva, 4,5 → Ryfisk Hj... Completed#8 Bremnessvaet, 1,2 → Ryfisk ... Completed... Completed#11 Bremnessvaet, 1 → Ulvan Approved  
280 t#12 Kjelneset, 5 → Ryfisk Hjelme... Approved  
280 t#13 Kjelneset, 1 → Ryfisk Hjemeland Waiting  
280 t#14 Mannbruholmen, 1 → Ryfisk ... Saved  
250 t

## Biology browser

Bessake



From AVG Weight g

To AVG Weight g

Only show planned harvests ☐

| <input type="checkbox"/>            | SITE, UNIT  | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|-------------------------------------|-------------|--------|------------|--------------|
| <input checked="" type="checkbox"/> | Bessake, M1 | 200000 | 4000 gr    | 800 t        |
| <input checked="" type="checkbox"/> | Bessake, M3 | 155500 | 4200 gr    | 653.1 t      |
| <input type="checkbox"/>            | Bessake, M5 | 100550 |            |              |
| <input type="checkbox"/>            | Bessake, M5 | 100550 |            |              |

| <input type="checkbox"/> | SITE, UNIT  | AMOUNT | AVG WEIGHT |
|--------------------------|-------------|--------|------------|
| <input type="checkbox"/> | Bessake, M2 | 150000 | 4100 gr    |
| <input type="checkbox"/> | Bessake, M4 | 100550 | 4600 gr    |
|                          |             |        | 4500 gr    |
|                          |             |        | 4500 gr    |

## Gåsø Freyja, 400 - Treatment ▾



Bessake M1, M3

Treatment type

Fresh water ✕

Duration

6 hrs

Start time

2020-03-14 20:30



End time

2020-03-15 4:30



Cancel

Plan treatment

- Plan treatment by dragging unit to a vessel with treatment capabilities
- Select treatment type and duration

## Plan 25

2020 - W 08

TAUPO - PV 320

Mon 02/02

Tue 03/02

Wed 04/02

Thu 05/02

02:50

Fri 06/02

Sat 07/02

Sun 08/02

#1 Kjelneset, 5 → Ryfisk Hjel...  
280 t

Completed

#5 Bremnessvaet, 5 → Ryfisk Hjel...  
280 t

Completed

#9 Bremnessvaet, 5 → Ryfisk Hjel...  
300 t

Waiting

Re-fuel  
8 hrs#11 Bremnessvaet, 1 → Ulvan  
280 t

Approved

#12 Kjelneset, 5 → Ryfisk Hjelme...  
280 t

Approved

#13 Kjelneset, 1 → Ryfisk Hjelmland  
280 t

Waiting

#14 Mannbruholmen, 1 → Ryfisk ...  
250 t

Saved

## Biology browser

Bessake



From AVG Weight g

To AVG Weight g

Only show planned harvests ☐

| <input type="checkbox"/> | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|--------------------------|-------------|--------|------------|--------------|
| <input type="checkbox"/> | Bessake, M1 | 200000 | 4000 gr    | 800 t        |
| <input type="checkbox"/> | Bessake, M3 | 155500 |            |              |
| <input type="checkbox"/> | Bessake, M5 | 100550 |            |              |
| <input type="checkbox"/> | Bessake, M5 | 100550 |            |              |

| <input type="checkbox"/> | SITE , UNIT | AMOUNT | AVG WEIGHT | TOTAL WEIGHT |
|--------------------------|-------------|--------|------------|--------------|
| <input type="checkbox"/> | Bessake, M2 | 150000 | 4100 gr    |              |
|                          |             |        | 4600 gr    |              |
|                          |             |        | 4500 gr    |              |
|                          |             |        | 4500 gr    |              |

## Gåsø Freyja, 400 - Smolt transport



|                  |         |        |        |   |
|------------------|---------|--------|--------|---|
| Mannbruholmen, 2 | 200 000 | 150 gr | 30 t   | + |
| Mannbruholmen, 3 | 150 000 | 250 gr | 37,5 t | + |

Delivering site: 

|        | Starting unit | Delivering unit      | Amount               | Total weight                   |  |
|--------|---------------|----------------------|----------------------|--------------------------------|--|
| Trip 1 | M1            | <input type="text"/> | <input type="text"/> | <input type="text" value="t"/> |  |
| Trip 2 | M2            | <input type="text"/> | <input type="text"/> | <input type="text" value="t"/> |  |

Cancel

Plan Smolt transport

- Smolt transport
- Drag smolt unit to vessel

## Plan 25

2020 - W 08

TAUPO - PV 320

Mon 02/02

Tue 03/02

Wed 04/02

Thu 05/02

Fri 06/02

Sat 07/02

Sun 08/02

#1 Kjølneiset, 5 → Ryfisk Hjel...  
280 t

Completed

#5 Bremnessvaet, 5 → Ryfisk Hjel...  
280 t

Completed

#9 Bremnessvaet, 5 → Ryfisk Hjel...  
300 t

Waiting

Re-fuel  
8 hrs#11 Bremnessvaet, 1 → Ryfisk Hjel...  
280 t

Approved

#12 Kjølneiset, 3 → Ryfisk Hjel...  
280 t

Approved

MERDØ - PV 320

#4 Kongsmoelva, 4,5 → Ryfisk Hjel...  
Completed#8 Bremnessvaet, 1,2 → Ryfisk Hjel...  
Completed

Completed

#13 Kjølneiset, 1 → Ryfisk Hjel...  
280 t

Waiting

#14 Mannbruholmen, 1 → Ryfisk Hjel...  
250 t

Saved

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The logo consists of a stylized infinity symbol or interlocking loop. The left loop is dark blue, and the right loop is a light teal color with a subtle gradient.

# OCEAN PLANNER

Operation Details





### Activity log

25 mins behind schedule

4 hrs 50 mins

4 hrs 30 mins

●

Travelling to site

Actual: 2020-10-01 01:00

Est.: 2020-10-01 01:00

30 mins

30 mins

●

Arrived at Site

Actual: 2020-10-01 05:50

Est.: 2020-10-01 05:30

3 hrs 30 mins

3 hrs 15 mins

●

Harvesting

Actual: 2020-10-01 09:20

Est.: 2020-10-01 06:00

20 mins

30 mins

●

Finished harvesting

Actual: 2020-10-01 09:40

Est.: 2020-10-01 09:15

4 hrs 45 mins

●

Travelling to factory

Actual: 2020-10-01 10:10

Est.: 2020-10-01 09:45

30 mins

30 mins

○

Arrived at factory

Latest est.: 2020-10-01 14:55

Est.: 2020-10-01 14:30

2 hrs 15 mins

○

Discharging

Latest est.: 2020-10-01 15:25

Est.: 2020-10-01 15:00

30 mins

30 mins

○

Finished discharging

Latest est.: 2020-10-01 17:40

Est.: 2020-10-01 17:15

1 hrs 45 mins

○

Cleaning

Latest est.: 2020-10-01 18:10

Est.: 2020-10-01 17:45

○

Completed

Latest est.: 2020-10-01 19:40

Est.: 2020-10-01 19:30

### Operation info.

Operation type: Harvest

Site, factory: Napp → Ryfisk Hjelmeland

Est. time: 2020-03-20 06:00 → 2020-03-21 06:00

Est. duration: 16 hrs

Est. sum fish amount: 50 000

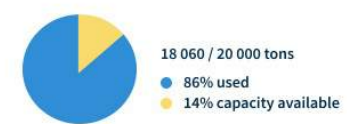
Est. sum weight: 300.488 t

| Unit | Arrival time at site | Amount of fish | Avg. weight | Total weight   | Mortality risk |
|------|----------------------|----------------|-------------|----------------|----------------|
| 5    | 2020-10-15, 08:00    | Est. 52 000    | Est. 5,5 kg | Est. 200.235 t | Low            |
| 6    | 2020-10-15, 08:00    | Est. 52 000    | Est. 5,5 kg | Est. 100.253 t | Low            |

Waiting cage: ☒ Yes ☐ No

### Taumar

Process vesel



### Route

Route 1 



### Checklists



Harvesting

- Detailed view of one operation
- Full traceability

## Operation 110: **Messages box**

### Message with Taupiri

October 8, 2019

3:30 PM

Ta

I am worried that weather is bad. I will get back to you when we get closer

Thank you for the update. Please keep me updated.

5:30 PM

Ta

We have high winds and waves and therefor cannot safely perform the harvest on this date. Please reschedule.

6:00 PM

Ok. We will reschedule this harvest later. We will reallocate you to another site. Please stand by, you will be notified of a new operation shortly.

Edit  
Delete

Mo

Message to Taupiri

Send

- Chat and comments linked to operation
- Easy communication
- Look back on previous operations and get a good overview of correspondence

---

The logo consists of a stylized, continuous loop that forms a shape resembling a lowercase 'p' or a knot. The loop is colored with a gradient from dark blue on the left to light green on the right.

# OCEAN PLANNER

Route





---

The logo features a stylized infinity symbol or interlocking loop. The left loop is dark blue, and the right loop is a light teal color with a subtle gradient.

# OCEAN PLANNER

Checklist

## Create checklist

Cancel

Create checklist



Basic Define component

T Header

Short text field

Long text field

Number field

Dropdown

Single choice

Multiple choice

Date Picker

Time

Divider

Formula

Add a tag

Avskiper

Lasteplass

Ankomst dato

Merknad

Oppgitt: Snittvekt

Sveltetid

dager Sjøtemp

Båt: antall

snittvekt

Totalvekt

Global G.A.P. Sertifisering nr

Cargo

☐ Salmon

☐ Trout

Label

Type a place holder

Type a sub label

Assign to vessel

[Taupiri](#)

- Check list linked to operation

Required

☒ on

Prevent submission if this question is empty.

Place holder

Add an example hint inside the field.

Sub label

Add a small description below the input field.

Delete field

Duplicate field

---

The logo consists of a stylized infinity symbol or interlocking loop. The left loop is dark blue, and the right loop is a light teal color with a subtle gradient.

# OCEAN PLANNER

Vessel detail



Avatar

[Choose file](#)

Taupiri.jpg

JPG, GIF or PNG. Max size of 800K

## Process

Name \*

Taupiri

Contact number

length \*

meter

Width \*

meter

Operation type \*

✓ Harvest

Capacity \*

tons

Harvesting Speed \*

fish/h

Discharging speed \*

ton/h

Speed \*

knots

Cleaning time \*

minute

Cancel

Add

Taupiri Travelling to factory

Vessel detail

Process data



Realtime ...

Temperature comparing

Forecast

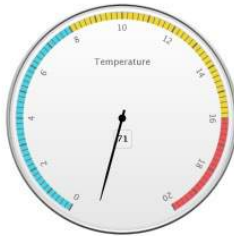
2020-09-05 05:00

06 04 02 SAT 22 20 18 16 14 12 10 08 06 04 02 SUN

Current time

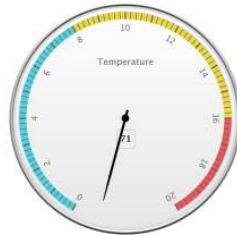
Add widget ▾

Tank 11S



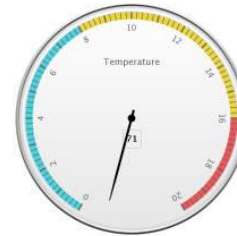
highcharts.com

Tank 11P



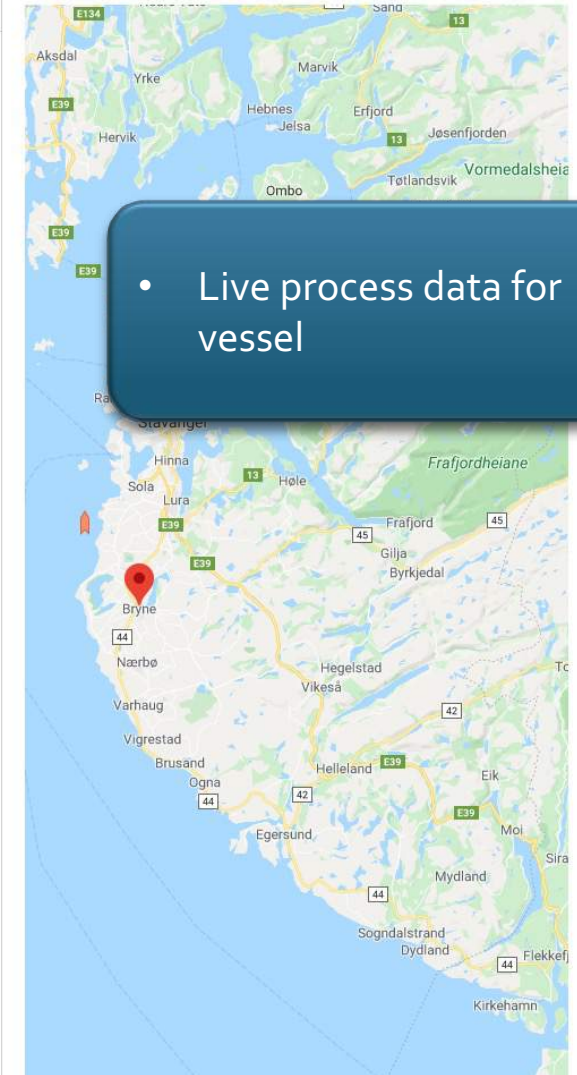
highcharts.com

Tank 12P



highcharts.com

- Live process data for vessel



## Taumar

Vessel detail

Process data



## Vessel image



(JPG, GIF or PNG. Max size of 800K)


 Choose image

## Vessel info.

Edit 

Vessel type: **Pro vess vessel**  
Contact number: **0123456789**  
Width: **10 meter**  
length: **25 meter**  
Speed: **10 knots**  
Capacity: **300 tons**  
Harvesting Speed: **7000 fish/hour**  
Discharging speed: **\_\_ ton/hour**  
Cleaning time: **30 minute**  
OPV serial number:  
Operation type: **Harvest**

## Vessel owner

 Assign to vessel owner

## Crew

Jarle Lauve  
Oscar Osness  
Edvin Mehl

 Assign to crew

## Region

 Assign to region

## Checklists

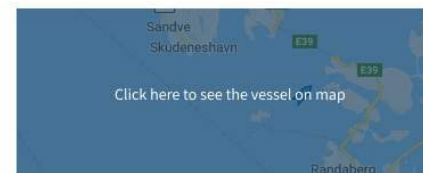
Finished HarvestingFinished discharging[+ Add new checklist](#)

## Operation's process data template

[+ Add operation's process data](#)

## Current position

Speed/heading: **0.08 knts/ 3°**  
Latitude/ Longitude:  
**57.12345678925365/ 57.12345678925365**

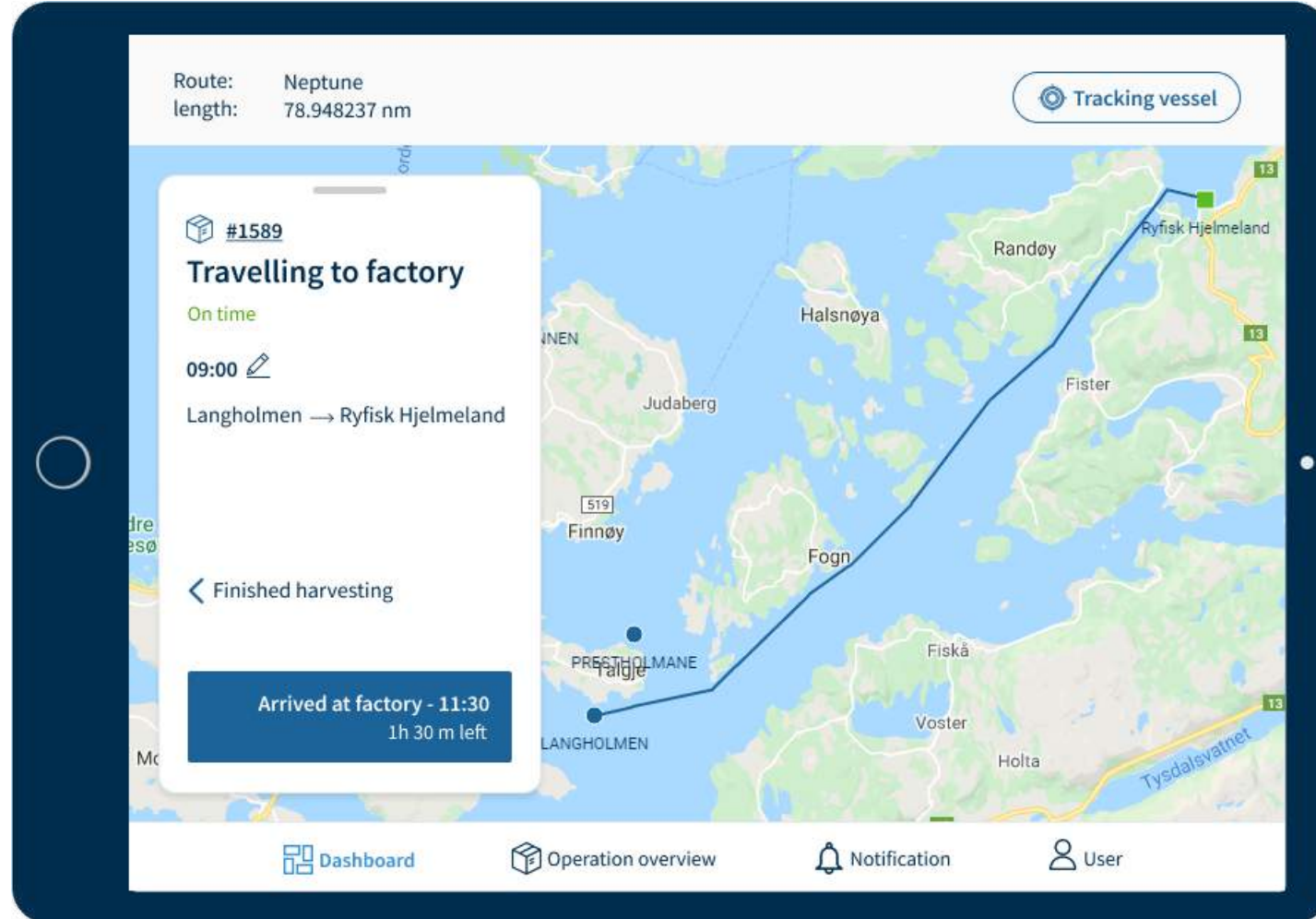


- Vessel detail



Ocean planner app for vessel










- Easy overview for vessel
- Vessels click on arrived factory when arriving.


Approved operationWaiting operationCompleted operation


Search for operation


| ID  | TIME                      | SITE, FACTORY               | DURATION | TOTAL WEIGHT |
|---|---------------------------|-----------------------------|----------|--------------|
| 2019 - W 49   |                           |                             |          |              |
|  <a href="#">#159100</a> | 12-07 15:00 → 13-07 15:00 | Haverøy → Ryfisk Hjelmeland | 18h 30m  | 500,345t     |
|  <a href="#">#159100</a> | 12-07 15:00 → 13-07 15:00 | Haverøy → Ulvan             | 18h 30m  | 500,345t     |
|  <a href="#">#159100</a> | 12-07 15:00 → 13-07 15:00 | Haverøy → Ryfisk Hjelmeland | 18h 30m  | 500,345t     |
|  <a href="#">#159100</a> | 12-07 15:00 → 13-07 15:00 | Haverøy → Ryfisk Hjelmeland | 18h 30m  | 500,345t     |


[#1589](#)  
Travelling to factory - 09:00   
On time


1h 30m left

Arrived at factory - 11:30 

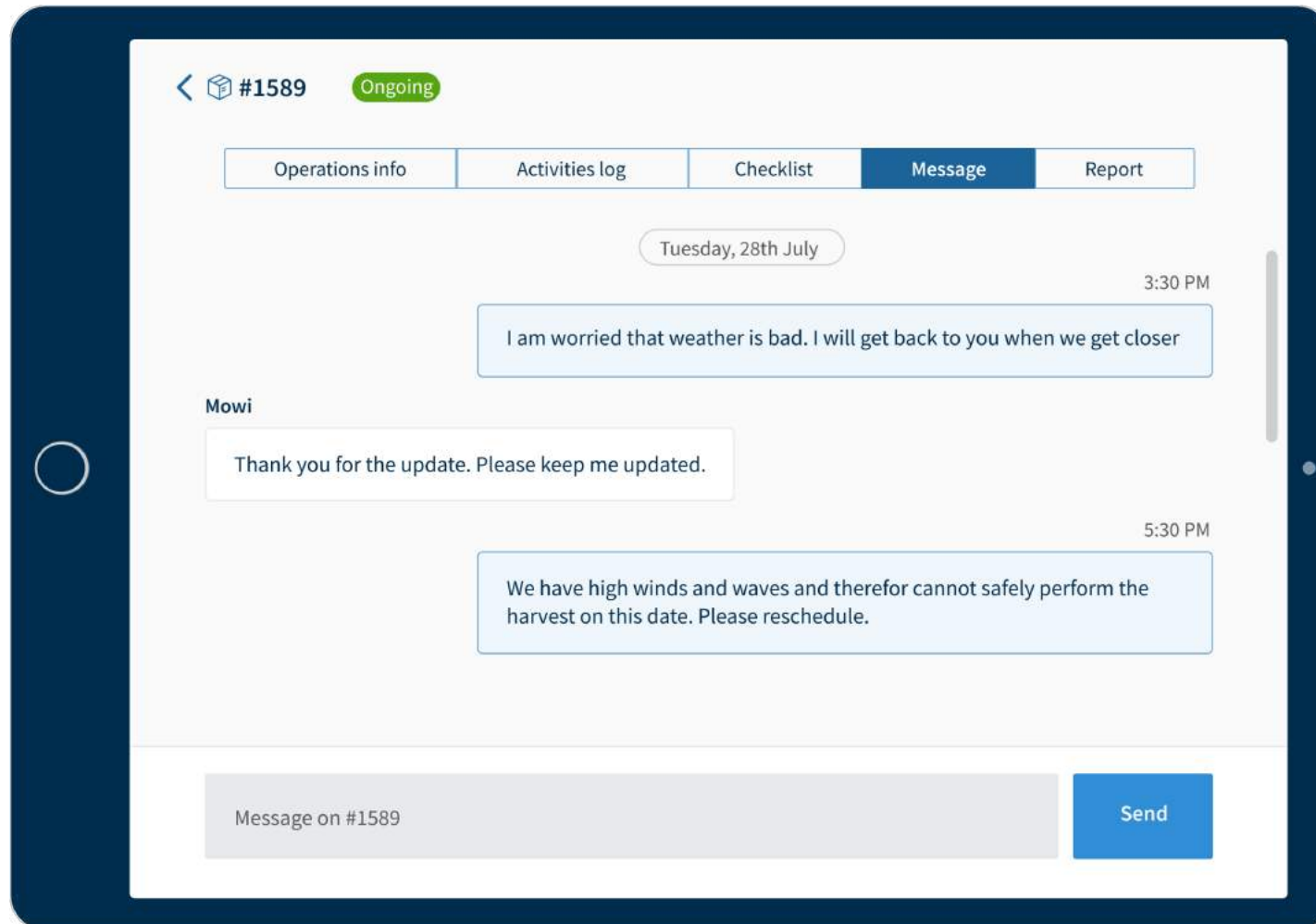
 Dashboard

 Operation overview

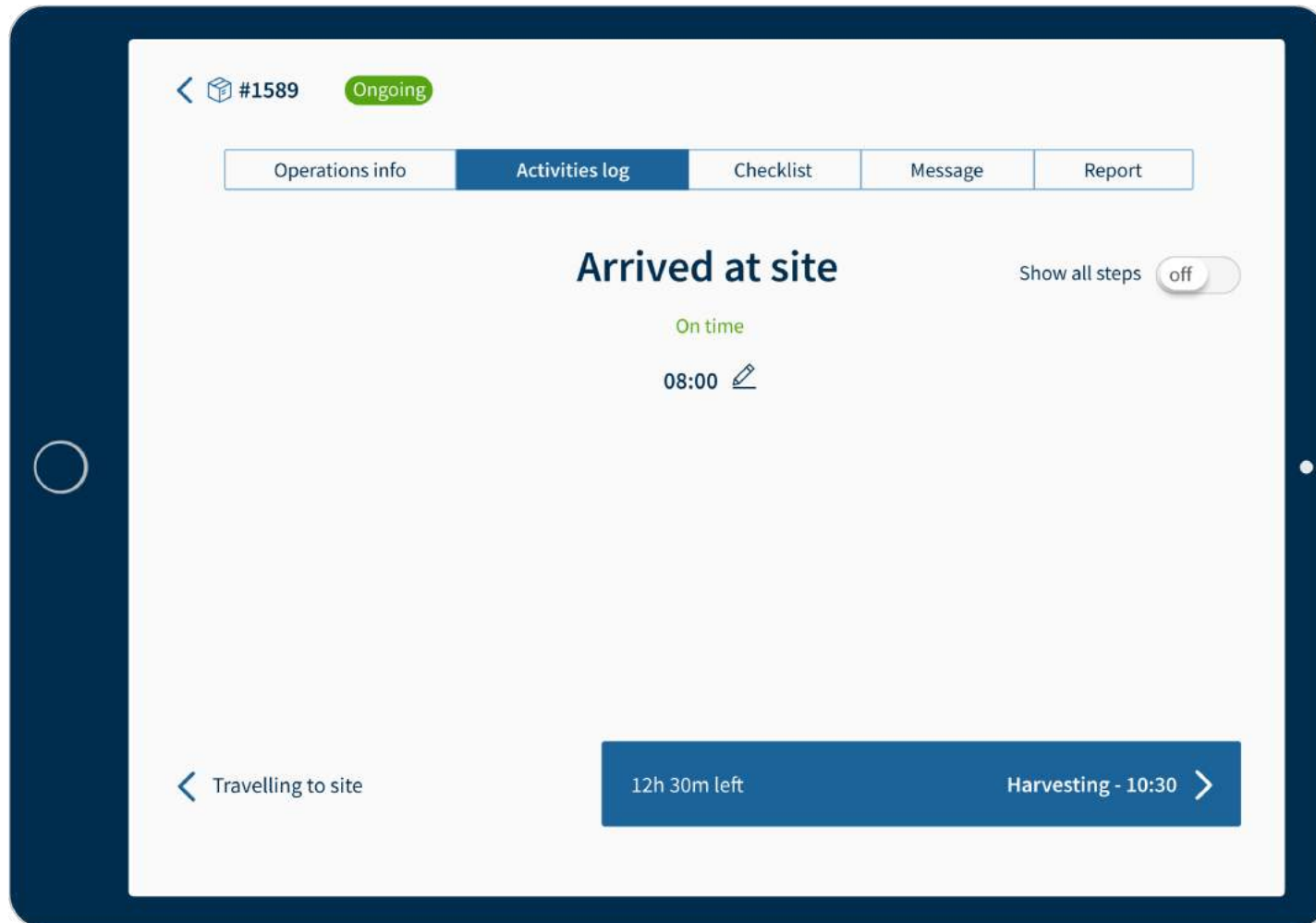
 Notification

 User

- Vessel has full overview over current, future and past operations



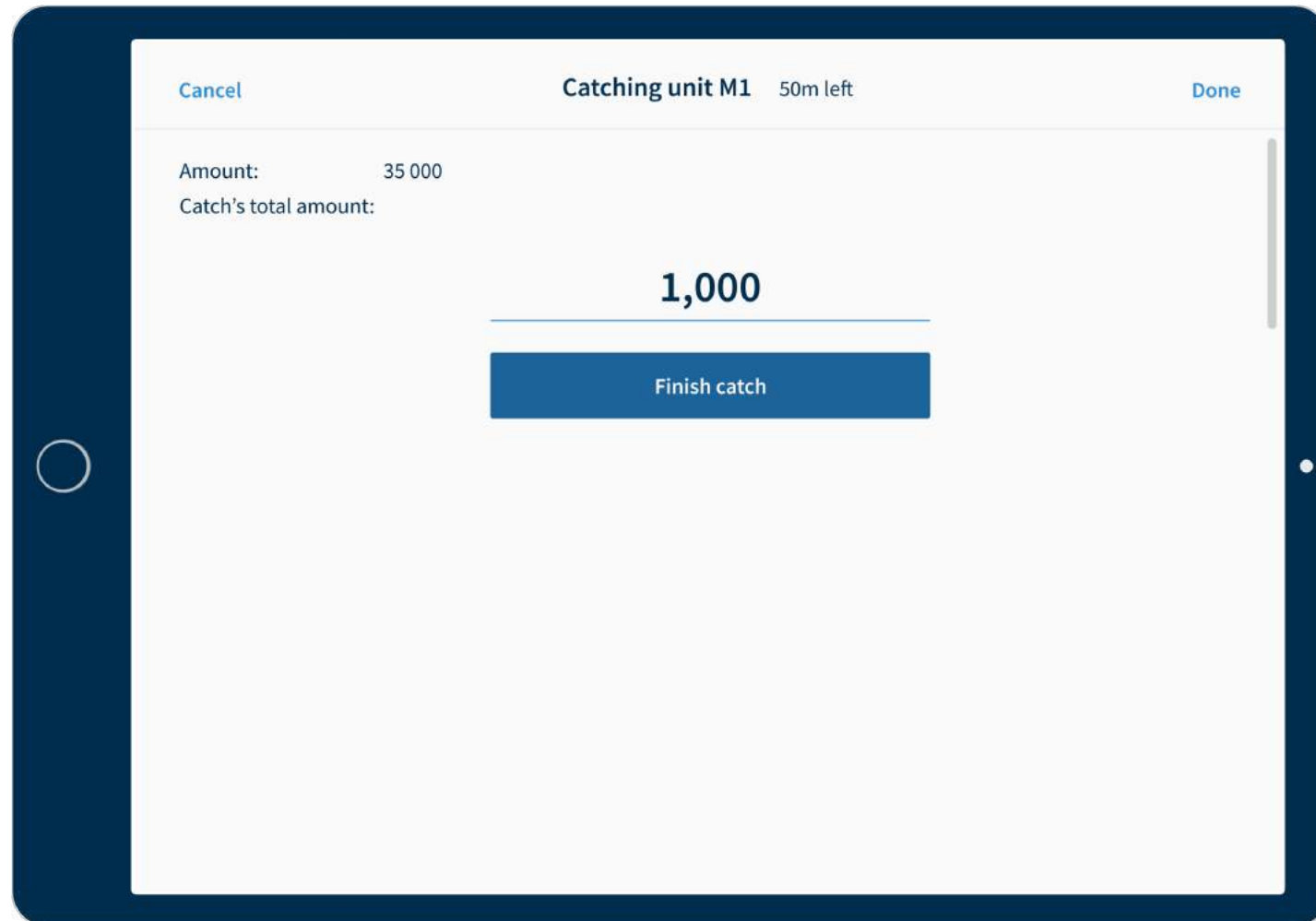
- Chat and comments linked to operation
- Easy communication
- Look back on previous operations and get a good overview of correspondence



- The simplified UI that helps vessel crew to log each step of the operation easily



- Log information and streamline each single catch when harvesting



The image shows a tablet with a dark blue border. The screen displays a mobile application interface. At the top, there is a header bar with a light gray background. On the left of the header is a blue link labeled "Cancel". In the center of the header is the text "Catching unit M1" followed by "50m left". On the right of the header is a blue link labeled "Done". Below the header, the main content area has a light gray background. It contains the text "Amount: 35 000" and "Catch's total amount:". In the center of the screen, the number "1,000" is displayed in a large, bold, black font, with a horizontal line underneath it. Below this line is a blue rectangular button with the white text "Finish catch".

Cancel

Catching unit M1 50m left

Done

Amount: 35 000

Catch's total amount:

1,000

Finish catch

- Log information and streamline each single catch when harvesting

[Cancel](#)

Catching unit M1 30m left

[Done](#)



Amount: 35 000

Catch's total amount: 1 000

Start a catch

| CATCH | AMOUNT | START TIME | FINISHED TIME | DURATION |     |
|-------|--------|------------|---------------|----------|-----|
| 1     | 1 000  | 12:00      | 12:05         | 5m       | ... |

- Log information and streamline each single catch when harvesting

  #1589 Ongoing

Operations info

Activities log


Checklist

Message

Report

# Cleaning

On time


14:00 

Select a cleaning type


Full

Standard

Extended

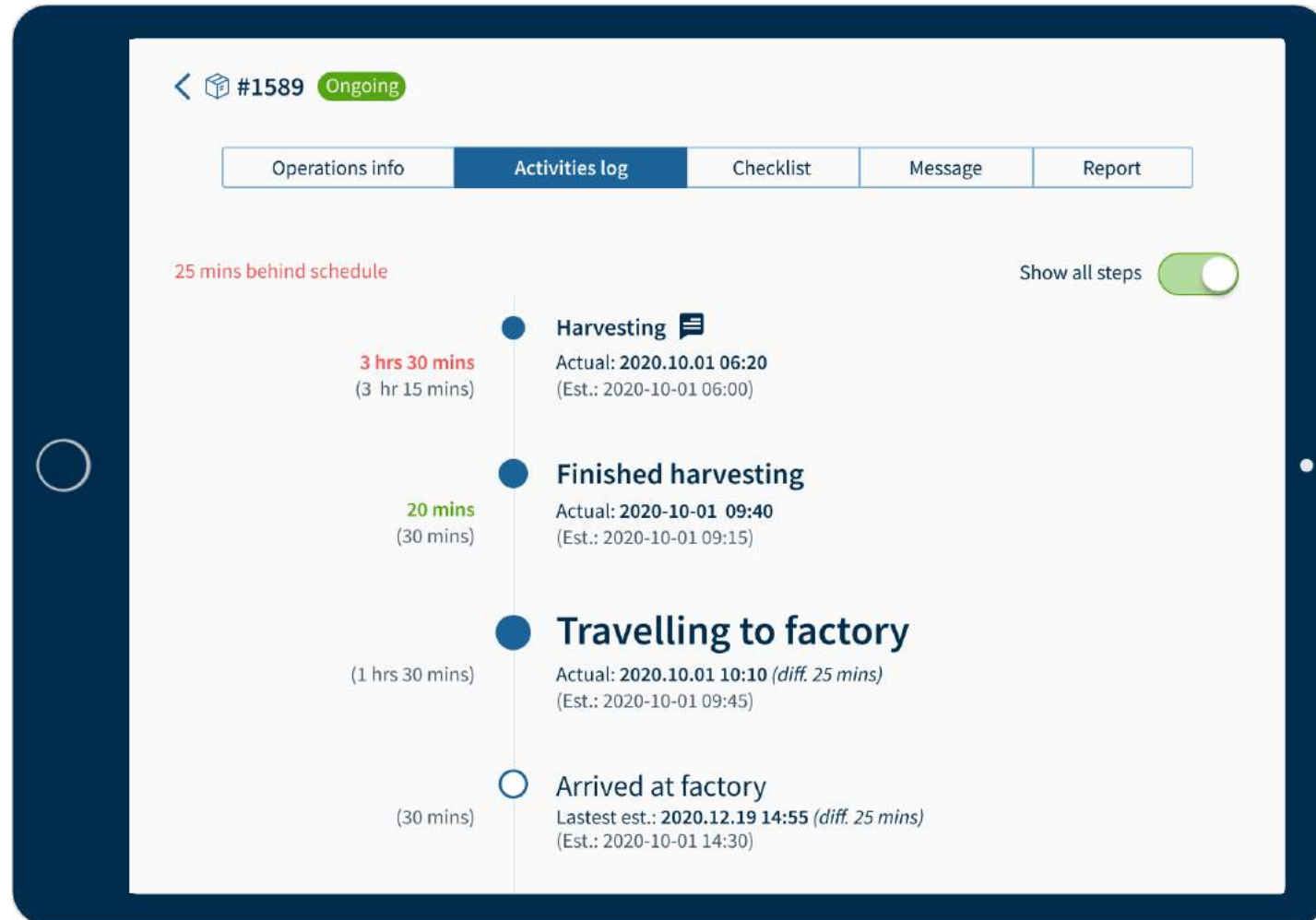
 Finished discharging

30m left

Complete - 18:00 

- Reporting cleaning type





- Detailed insights into operations



Price Model

---

# OCEAN PLANNER – SERVICE

- **No development cost**
  - Continuous development and improvements are rolled out automatically. No extra cost
    - Our track-record shows that we are quick to respond to new requirements. And have good procedures in place to verify requirements and changes across the whole userbase.
- **SaaS solution**
  - No hidden or extra cost related to maintaining the system infrastructure
  - Cost model is priced per vessel and per module activated
    - No user licenses, no extra cost for any number of users
  - Included e-mail support for non-critical cases
  - Included Norwegian telephone support for critical cases during office hours
    - Can be extended for high activity periods for additional cost (Support Agreement)
- **Hardware startup**
  - One-time startup cost for hardware, installation and training per vessel and office.



Providing you new insights for better  
decisions