



## UiS SUBSEA TEAM

### Mentors



Chairman: Daniel Vasshus  
Vice Chairman: Geir Arne Solland Kindingstad

### Bachelor's degree students

#### Automation and Electrical Engineers

##### Machine Vision & Communication



CTO Software: Christoffer Naess  
CTO Hardware: Mats Roste  
Board Member: Tage Mellemstrand

##### Control Systems



Project Leader: Tomas Royal Choat  
Deputy Director of Sponsorship: Otto Nessa Ljosdal  
Kristian Birkeland

##### Power Distribution



Carl Henrik Preber Ettesvoll  
Jon Arve Andersen  
Nicolai Jensen Narvesen

##### Sensor System

##### Float System



Jorgen Johannessen  
Malin Harr Overland  
Hanne Lovise Berger

### Computer Science

#### Topside System



Deputy Director of Marketing: Ase Sagebakken  
Velbjorn Lia Riiser

### Mechanical Engineers

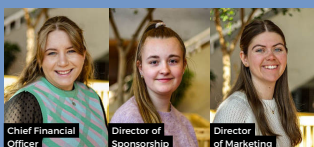
#### ROV & Float Design

#### Manipulator



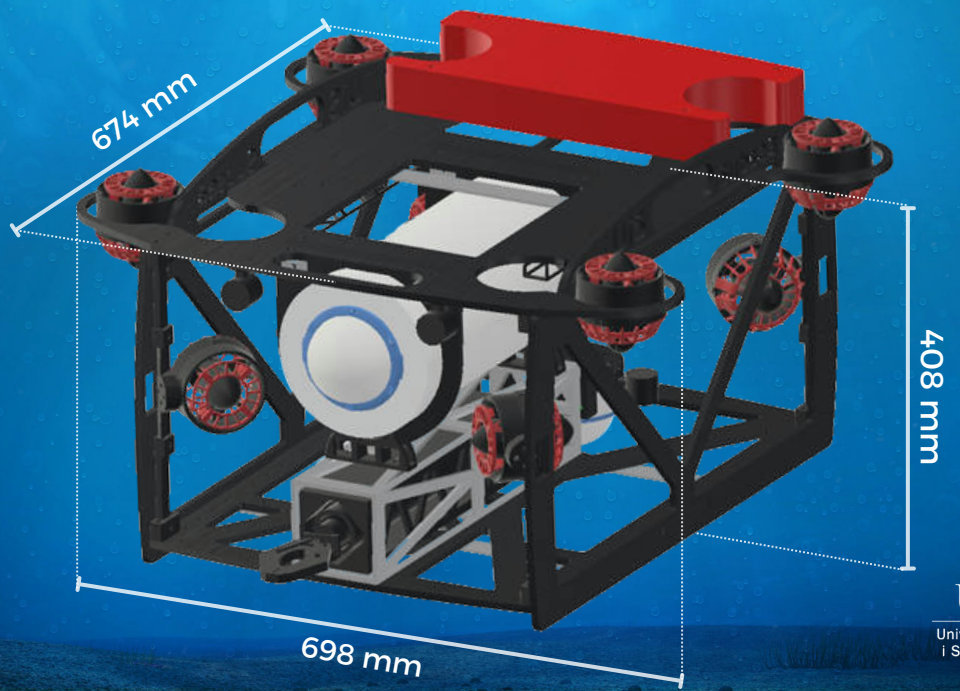
Christine Nordal  
Sandra Nygard  
Henrik Welde  
Sindra Rod Torsteinson

### Business Administration



Chief Financial Officer: Sina Brunnes  
Director of Sponsorship: Maren Lovise Jåsund  
Director of Marketing: Sanna Sørskar

# FENRIS



Universitetet i Stavanger



Weight: 26 kg



Total cost: ~15,170 USD (145 000 NOK)



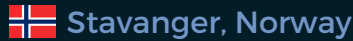
Working hours: ~5500 hours

UiS Subsea



## UiS Subsea

## University of Stavanger



Stavanger, Norway

5th year competing in MATE competition

Previous entries:  
2019, 2018, 2016, 2015

Distance traveled: 8480 km

## Safety features

- Thruster Guards
- Rounded corners
- Short-circuit and over-current protection
- Strain relief on tether
- Leak detection
- Controlled disconnection of power electronics from topside
- Temperature sensors
- Power down of thrusters if connection is lost

## Special features

- Modular design
- Autonomus stability control
- Backup manipulator
- Multiple stereo cameras
- Digitally resettable fuse from topside
- Tilting of cameras

## Float & ROV

