

Little Mermaid

Company specs:

Company: Aarhus University
 Team Name: Little Mermaid
 Home Country: Denmark
 Distance to international competition: 17600 km

MATE-ROV History:

2nd Company appearance.
 1st Appearance for all student company members.

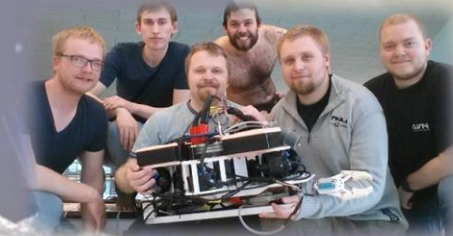


Figure 1: Company members

The company members and roles are described in table 1 below, featuring in the order: Left to right.

Name:	Company Role:	College Level:	Hours spent
Claus Melvad	-	Mentor	-
Henrik Hedegaard Jensen	Co-Pilot	7 th Semester Mechanical Engineering Student	641
Steffan Haubro Petersen	Software development engineer	7 th Semester Mechanical Engineering Student	640
Lasse Thorfinn Jagd	CEO/Sales and Marketing Manager	7 th Semester Mechanical Engineering Student	1000+
Tobias Elefsen	CFO/Government Regulatory Affairs Manager	7 th Semester Mechanical Engineering Student	625
Peter Blæsild Danielsen	Chief Pilot	7 th Semester Mechanical Engineering Student	976
Martin Weiling Albrektsen	Travel-/Tether Manager	7 th Semester Mechanical Engineering Student	976

Table 1: Company members, roles, college level and working time spent on project. Members occurring in the order left to right as shown in figure 1.

ROV Specs:

ROV Name: TOSCE ROV

Total estimated cost: 11500 USD



Figure 2: TOSCE ROV

Safety features: Gripper release safety Pin – CE Approved thrusters – Encased thrusters - Current limiting algorithm – Surface circuit breaker and fuse – Slightly positive Buoyancy – Water leakage sensor – Strain relief on tether – Separate digital and analog camera vision with direct to surface composite connecton.

Special Features: Auto levelling algorithm – 6DoF – Rotating gripper – Lightweight – Small Size – Fast – Computer simulated chassis – Separate digital and analog camera vision.