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| IE303612 Bacheloroppgave | Project Aquaculture Inspection Platform | Number of meeting this period 1). 0 planned | Firma - Oppdragsgiver NTNU In Aalesund | Side 1 av 2 |
| Progress report | Period/week(s) Week 15, 16, 17 and 18 | Number of hours this period. (from log) Approx. | Prosjektgruppe (navn) Lars Even Sætre, Ole Morken, Sigurd Olav Liavåg | Dato 01.05.19 |

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| <p>Main goal/purpose for this periods work</p> <ul style="list-style-type: none"> - Platform: build the platform to a complete build. All equipment on the platform should work and communicate with each other. - Surface: Finishing the GUI and setup the communication. - Seatrail week 17/18 (end of April). |
| <p>Planned activities this period</p> <ul style="list-style-type: none"> - Connect the remaining electrical installation. - Test to control the platform and ROV from the GUI. - Perform a seatrail and test the control system. - |
| <p>Actually conducted activites this period</p> <ul style="list-style-type: none"> - Electrical installation is done. Everything is working with no problems. Installed batteries on the platform. - During testing of the GUI, the response and communication is working fast. Camerafeed to the GUI is working well. - Went to seatrail week 17/18. |
| <p>Description of/ justification for potential deviation between planned and real activities</p> <ul style="list-style-type: none"> - N/A |
| <p>Description of/ justification for changes that is desired in the projects content or in the further plan of action – or progress report</p> <ul style="list-style-type: none"> - N/A |
| <p>Main experience from this period</p> <ul style="list-style-type: none"> - During seatrail we had a problem with the platform stabilization. The new pipes under the platform gives too much buoyancy force upwards, because of this the platform became very unstable. We added weight under the platform to make it more stable. This improved the stabilization, but it was still too unstable to be used without it hanging in the crane. We decided to make a floating ring around the whole platform om the top. This will prevent the platform to roll over. After this we could now test the control system. - Stabilization system did not work as expected. - IMU is unstable with the heading direction. - Autopilot need more tuning but seems to be working well. Same with the DP. |
| <p>Main purpose/focus next period</p> <ul style="list-style-type: none"> - Tuning of the control system parameters. - Fix the stabilization system. - Fix the IMU. - Do a new seatrail at the end of week 19. - During seatrail we will now store the data we get from the test. |
| <p>Planned activities next period</p> <ul style="list-style-type: none"> - Week 19 and 20. - Perform seatrail and test the system. Adjust all parameters so that the platform and ROV is working 100%. |

1) Noter her kort tilbakemelding om antall møter – fordelt på typer (interne, styringsgruppe, møte med veileder) - i denne rapportperioden

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| IE303612 Bacheloroppgave Progress report | Project Aquaculture Inspection Platform | Number of meeting this period 1). 0 planned | Firma - Oppdragsgiver NTNU In Aalesund | Side 2 av 2 |
| | Period/week(s) Week 15, 16, 17 and 18 | Number of hours this period. (from log) Approx. | Prosjektgruppe (navn) Lars Even Sætre, Ole Morken, Sigurd Olav Liavåg | Dato 01.05.19 |

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| Other | |
| Wish/need for counseling - Nothing in particular | |
| Approval/signature group leader Lars Even Sætre | Signature other group participants Ole Morken, Sigurd Olav Liavåg. |



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