

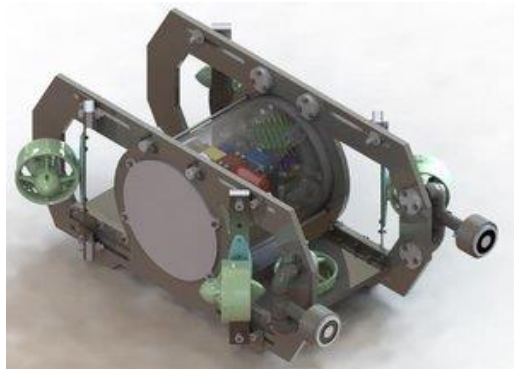
NorthROV

3D Scanning of Icebergs

By Kristian Sahlholdt (B.Sc.E.E, CLAD)

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 - Mechanical Engineer from Engineering College of Aarhus, AU in 2018
 - LabVIEW since 2016
 - Employed by CIM Industrial Systems A/S since 2018
 - Robert Søndergaard
 - Johan Krogshave
-

- Agenda
 - Engineering College Aarhus, AU
 - NorthROV project
 - Background
 - Challenges
 - Development
 - Test in Greenland
 - NIWeek
 - Conclusion
 - Questions?
-



CIM.AS NorthROV – Background

- Arctic Research Center, AU
- Engineering College, AU



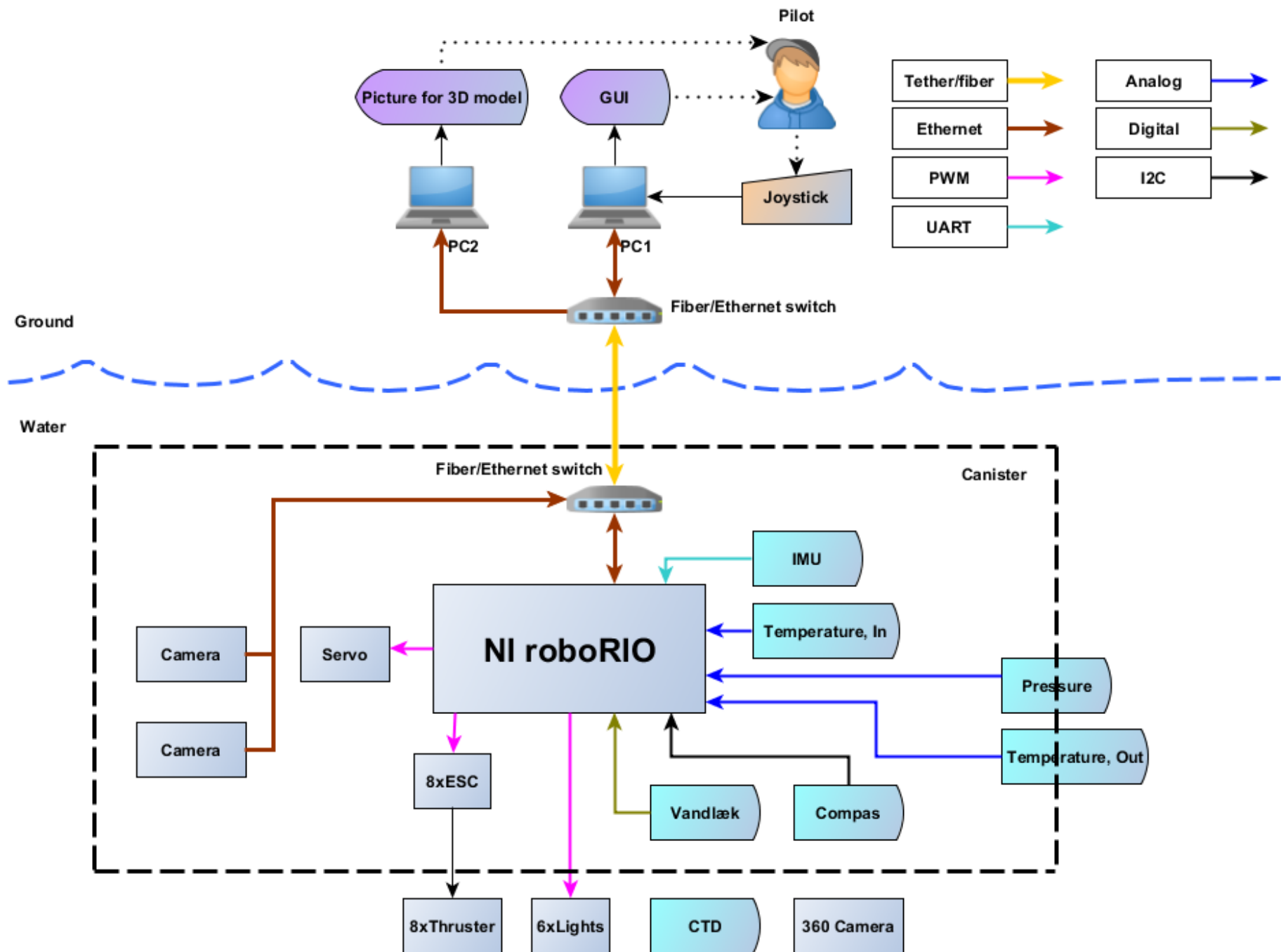
CIM.AS NorthROV – Challenges

- Harsh Environment
- Time
- Open water
- 3D scanning
- Ect.



- Short video

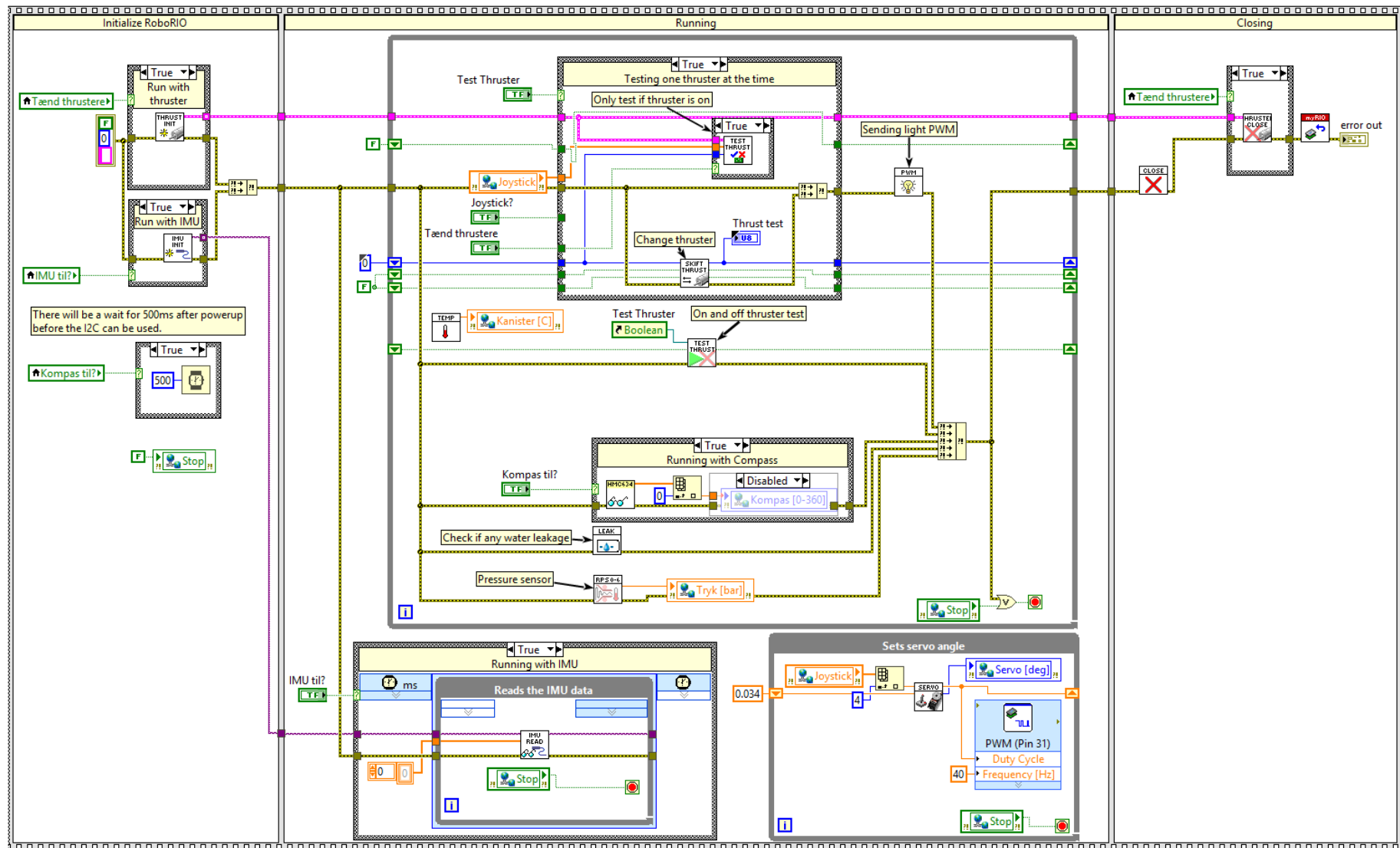
<https://www.youtube.com/watch?v=116cCL1uHtQ>



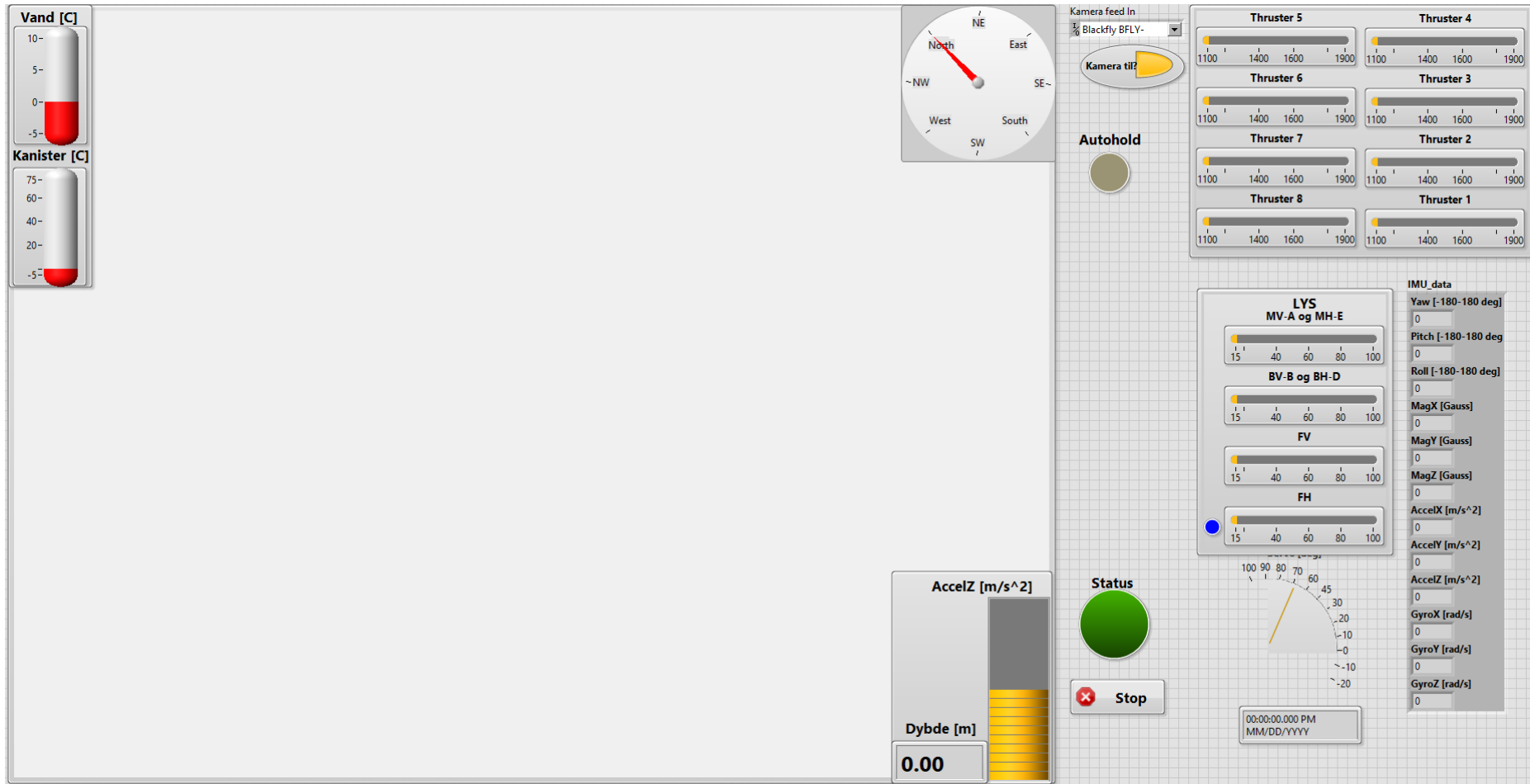


roboRIO

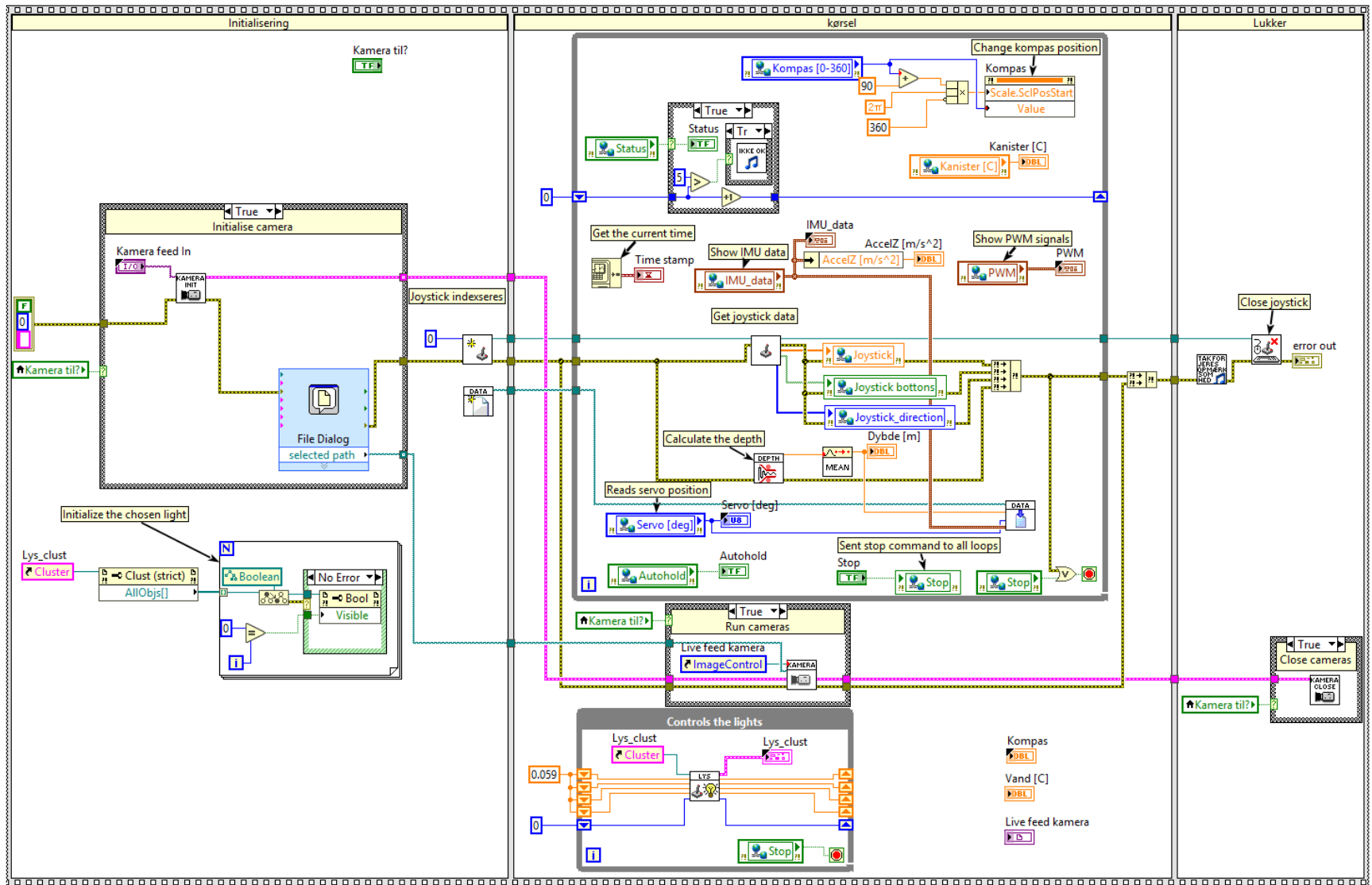
CIM.AS NorthROV – Development - roboRIO



CIM.AS NorthROV – Development - PC

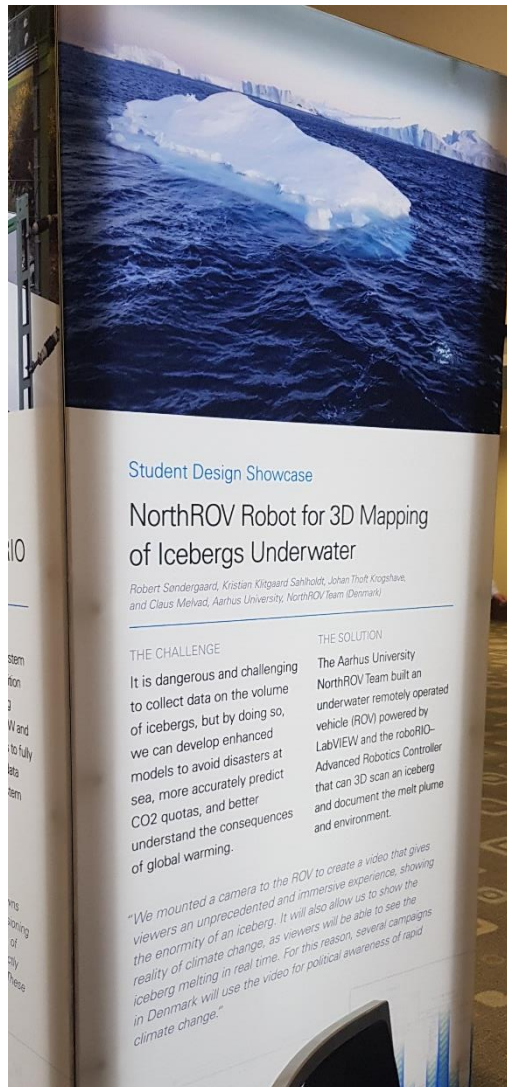


CIM.AS NorthROV – Development - PC





CIM.AS NorthROV – NIWeek 2018



- Photogrammetry
 - NI hardware
 - Software
 - Personal notes
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