

ABER SAILBOT

abersailbot.co.uk



The Team



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sailbot@aber.ac.uk

What do we do?



- Build Autonomous Robotic Sailing Boats
- Write code
- Compete
- Come 3rd...



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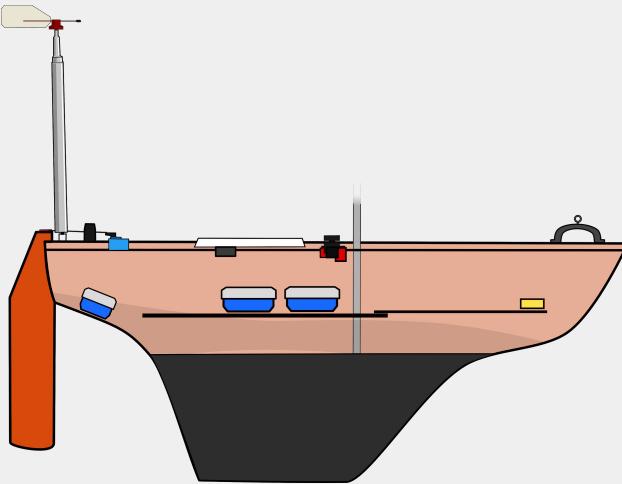


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The Boats



Dewi'r Ddraig



Kitty



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Competitions

Sailbot

- Kingston, ON, Canada - 2016
- We came 3rd
- Fleet Race
- Station Keeping
- Payload
- Long Distance



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Competitions

WRSC

- Viana Do Castelo, Portugal - 2016
- We came 3rd...again
 - Fleet Race
 - Virtual Anchoring
 - Area Scanning
 - Vision



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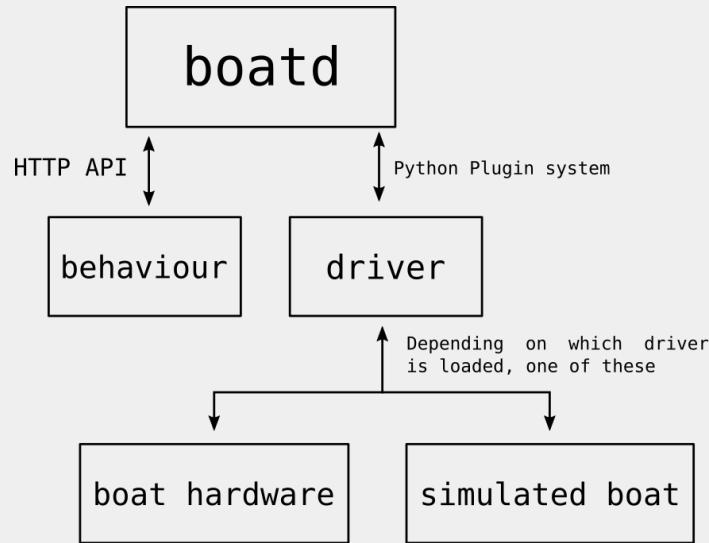
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Software

- Robotic Sailing Boat Daemon
- Independant behaviours
- Boat specific drivers



<https://github.com/abersailbot>



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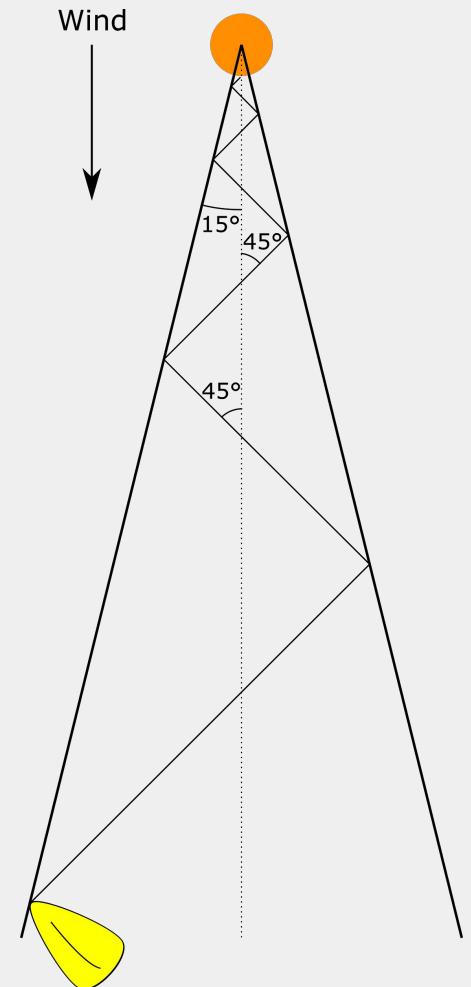
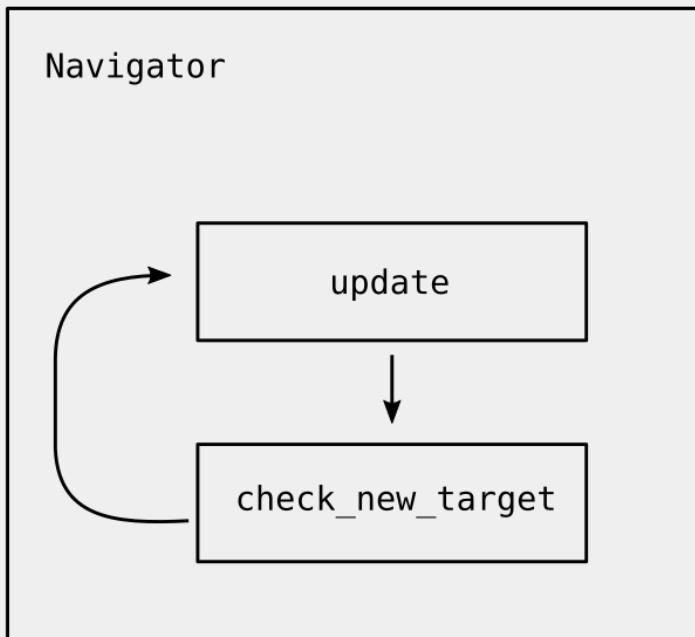


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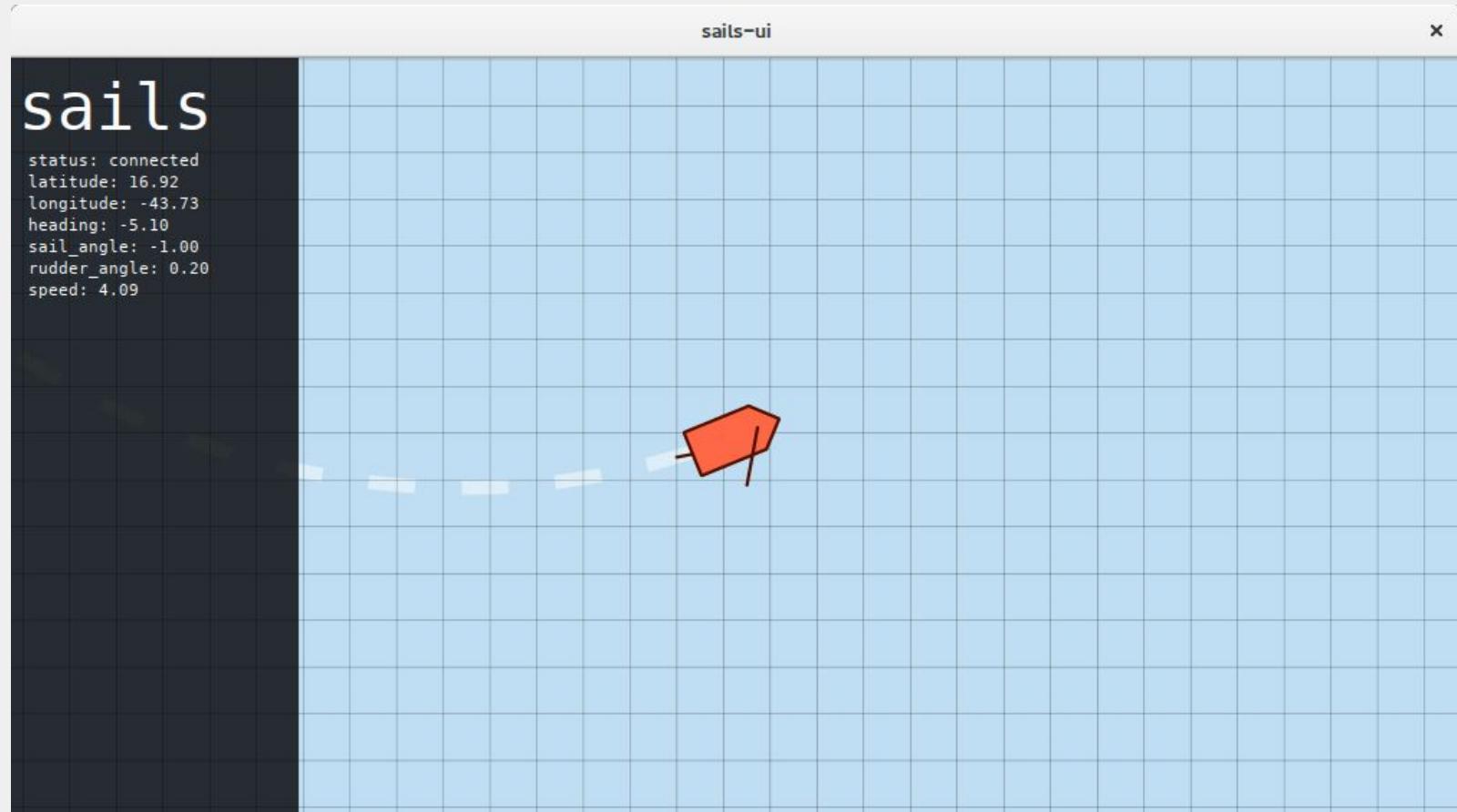


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Behaviour



Simulation



<https://github.com/sails-simulator>



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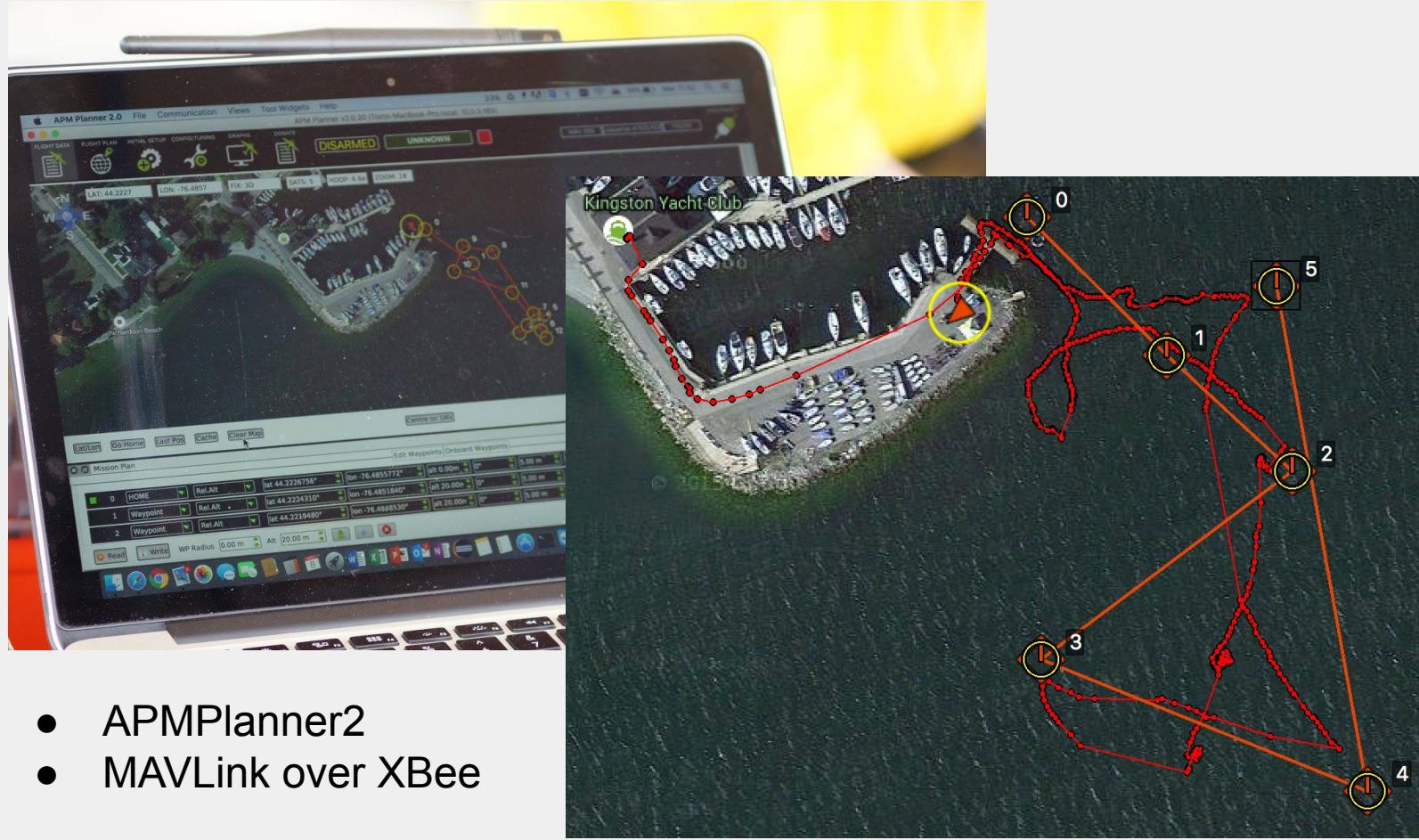


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Telemetry



- APMPlanner2
- MAVLink over XBee



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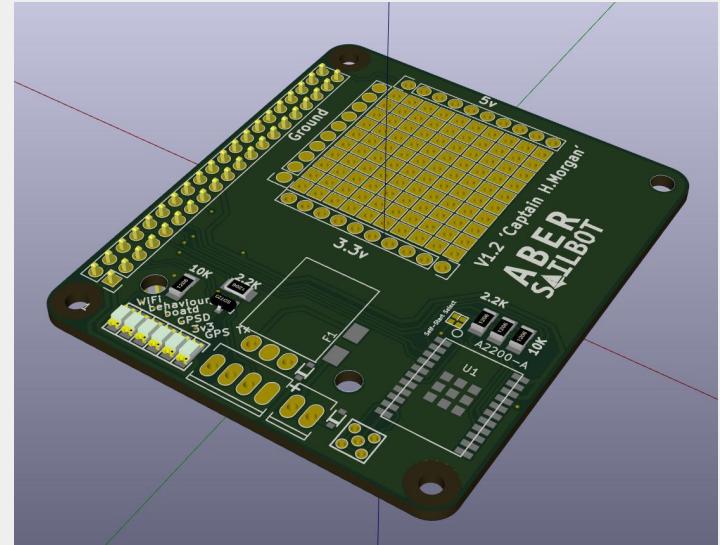
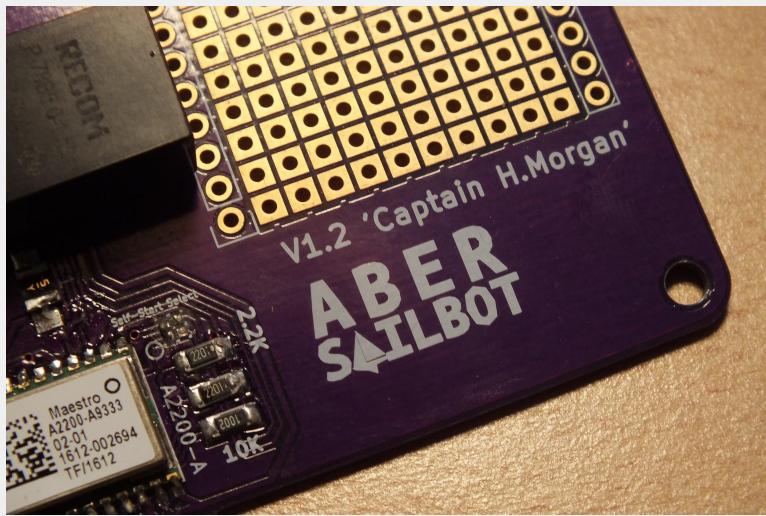


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Electronics



- RaspberryPi and Arduino
- Designing a PCB
- Wind Sensor
- Compass



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Transport



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Thanks for Listening!

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