

ISOBlue



ISOBlue

Future And Funding

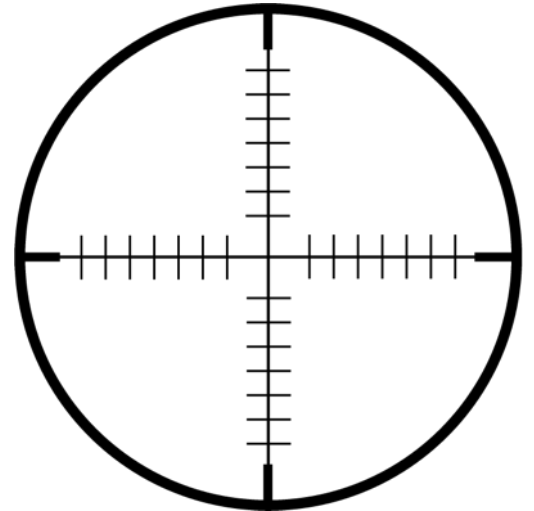
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April 29, 2014

Things to Solve

Focus:

There are 100's of directions to go



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Needed for progress

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Deliverables and Deadlines



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Usefulness:

Commercial production and proprietary messages



Future Possibilities and Focus

Some Existing Ideas:

Cape: RTK + Cellular + Power Supply + Wakeup/Shutdown

RTK Base Station

Weather Station

Cloud Libraries for Android, iOS

More Protocols

Libraries for ISO Message Parsing

OADA cloud upload

Enable/Build BLE Sensors

Open Robotics Platform

>> Your Ideas?

Usefulness

ToDo's For Broad ISOBlue Usefulness:

Software:

Cloud libraries (S3, OADA-compliant, partner's favorite clouds)

Bugs: CAN resources

Remote config and update

Error handling and tests

Fully integrate RTK + Cellular + CAN: is 1 BBB enough?

Data format: Original ISO or converted?

Protocol support based on partner needs.

Proprietary messages: cloud's problem or local problem?

Security

Usefulness



ToDo's For Broad ISOBlue Usefulness:

Hardware:

- Custom cape: wake/shutdown, recovery
- Finalize enclosure
- Military-grade components?
- Manufacturer

Testing:

- Test suite
- ISOBlue compliance definition?

Legal:

- Warranty and liability

More Partners

Funding, Deliverables, and Deadlines

Custom RTK Cape:

Timeframe: **8 months** (summer + semester)

- First working demo end of summer

Cost: **\$38,520** (w/o contract deliverables)

- Grad RA + JVK + Ault + Parts

ISOBlue Weather Station:

Timeframe: **3 months** (summer)

- Solderless prototype end of summer

Cost: **\$17,070** (w/o overhead)

- Grad RA + Parts

Hackathon

Boilermake Hackathon

October 17-19: 3 days of hacking fun

400-500 students from ~20 universities

Tiers of Sponsorship (\$3k, \$8k, \$20k)

Meet students, get resumes, give prizes

	Bronze - \$3,000	Silver - \$8,000	Gold - \$20,000 (limit, 3)	Platinum - \$32,000 (limit, 1)
General				
Mentors/representatives at BoilerMake ¹	2	5	10	As many as desired
Company space in hacking area	Basic	Basic	Deluxe	Premium
Reserved company time ²	Optional as add-on	Optional as add-on	2 hours + optional add-ons	4 hours + optional add-ons
Reserved presentation time during opening ceremonies ³		3 minutes	4 minutes	5 minutes
Can award a branded prize ⁴		x	x	x
Can speak at closing ceremonies				x
Branded stage in hacking area				x
Recruitment				
Hacker resumes after BoilerMake		x	x	x
Hacker resumes, GitHubs, LinkedIn profiles, and emails before BoilerMake			x	x
Company Presence				
Recognized at opening and closing ceremonies	x	x	x	x
Logo on website	Small	Medium	Large	Extra-large
Can distribute swag	At company space	In swag bag	In swag bag	In swag bag
Logo on t-shirt		Medium	Large	Extra-large
Individual social media mentions created with input from company ⁵			3	10
Logo on BoilerMake swag ⁶			x	x
Recognition as Co-Host				x
¹ Present at any single point in time				
² Companies will have a reserved space and may use this time however they wish (tech talk, meet-and-greet, etc.). Limited availability- first-come, first-served.				
³ Companies may use this time to introduce themselves, give an API demo, or anything else that they wish. Limited availability- first-come, first-served.				
⁴ Branded prizes are provided by the company				
⁵ Time of mentions at discretion of company (before, during, or after BoilerMake)				
⁶ Water bottles, drawstring swag bags, etc.				

All companies are welcome to purchase add-ons in addition to the benefits of their selected tier.

Add-ons	
Reserved company time	\$500/30 minute slot
Company-sponsored meal	Cost varies with meal