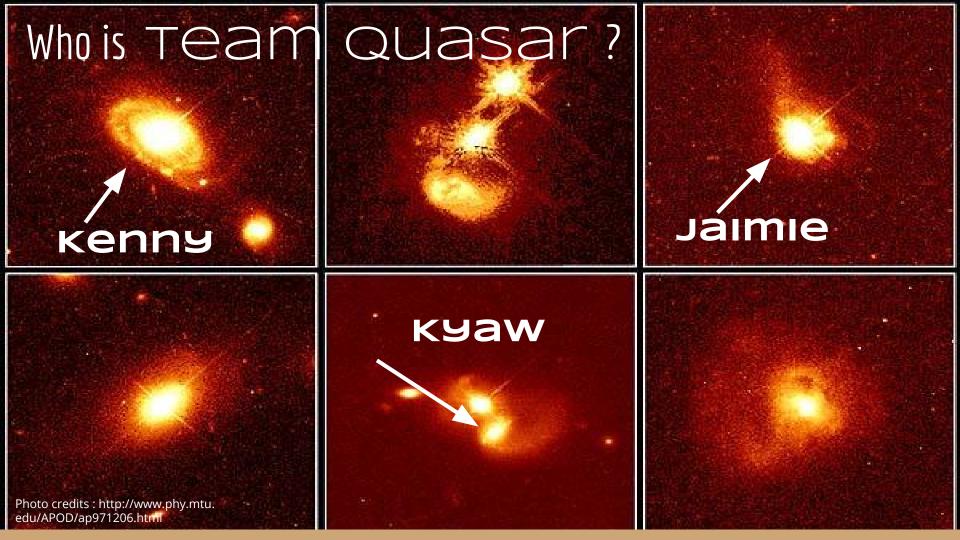
Proposal Presentation

by Team Quasar

Kyaw Hein, Kenny-Lee, and Jaimie Obatake Photo credits: http://www.mrwallpaper. com/wallpapers/black-hole-quasar-1920x1200.jpg



Overview / Motivation of the project

- Hawaii has a strong dependency on imported oil
- Photovoltaic (PV) is more sustainable and practical than imported oil

Why hasn't PV been relied upon?

• PV relies on changing weather patterns, creating intermittent energy outputs

What are we doing?

• Collect and monitor weather and irradiance patterns to help us predict energy patterns



Weatherbox model

Goals for Weatherbox and our Skill set

Long-term Goals

- Complete a working weatherbox
- Have box record data for 2 days

Short-term/Personal Goals

- Circuit building
- EAGLE proficiency
- Organized programming
- Time management





What we've accomplished so far...



- Set up Communication Platforms
 - Google Drive, Slack, Wikipage
- Embedded Systems basics
 - Arduino basics tutorials
- Software version control basics
 - Git/Github tutorials
- Timeline of work goals
 - Gantt Chart

Hopeful Timeline

Week	1	2	3	4	E	6	7	0	Spring Break	9	10	11	12
	1				5	-							
Date	1/25/2016	2/1/2016	2/8/2016	2/15/2016	2/22/2016	2/29/2016	3/7/2016	3/14/2016	3/21/2016	3/28/2016	4/4/2016	4/11/2016	4/18/2016
Presentations													
Proposal													
Design													
Final													
Demonstration													
Training													
Git/GitHub	Tutorials+Q/A												
Arduino/Bare Arduino													
Eagle			Tutorials	Tutorials									
Modules													
Microprocessor		Tutorials+Q/A	Bare-Arduino										
Sensors			Learn/Testing	Code/Test	Code/Test								
Charging Circuit			Learn/Testing	Code/Test	Code/Test								
Xbee			Learn/Testing		Code/Test								
Build													
System Integration						Breadboard w/ tested parts/ Test this board							
Overall System Firmware									Send to microcontroller				
Design/Print PCB					Library Parts			Schematics	Mill	Solder			
Housing									Design	Build housing	Put together		
Test													
Debug							Test as add parts						
Reports													
Final Report													
	1												

Thank you for listening!

Any questions?