

sdmay18-41: Energy blockchain implementation for free market P2P energy trading

Week 10 Report

November 21 - December 1

Team MembersJoseph Staudacher — *Hardware Design*Alec Dorenkamp — *Blockchain Developer*Noah Eigenfeld — *Blockchain/Web App Developer*Brendon Geils — *Blockchain/Smart Contract Lead Developer*Jackson Myers — *Hardware/Embedded Programming*Arun Sondhi — *Hardware/Software Interface***Summary of Progress this Report**

- Fixed ADC-Raspberry Pi functional issues
- Final review presentation assembled
- Further worked on hardware demo
- Updated visuals and diagrams to match current, non-blockchain design
- Added to testing plan
- Finalized project documentation

Pending Issues

- Rehearse presentation for final review

Plans for Upcoming Reporting Period

- Further expand web application capabilities

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Joseph Staudacher	Worked on the design doc, project plan, presentation, and spoke to an electrician about the implementation of our power meter	8	60
Alec Dorenkamp	Contributed to the final presentation, updated and finalized design document and project plan	9	68
Noah Eigenfeld	Worked with Alec to revise component diagram, updated system and deployment diagrams, contributed to final presentation, updated project plan and design doc	9	71
Brendon Geils	Fixed hardware ADC to accurately read data,	15	105

	met with Ames Energy Director to understand market costs/pricing		
Jackson Myers	Built structure for final presentation, reviewed feedback to improve documentation, researched economic and legal background for the implementation of our project	15	80
Arun Sondhi	Contributed to the final presentation, added more to testing in project plan	9	72