

Project Description

Test and Validate OpenBMS firmware with small voltage batteries at our Open Energy Lab in preparation for testing peer-to-peer energy trading with our onsite mobile grids.

Battery Management Systems are key actor of a microgrid. Knowledge of AC/DC wiring and battery operations required.

Project Objectives

Create a stable version and local lab of OpenBMS.

Document as a Workshop suitable for community events (2-4 hour block)

Learn from industry veteran and subject matter expert

Advance the mission of Energy IoT Open Source to enable end-to-end open microgrid solutions using open source components.

Timeline of The Project

August 20th, 2026 - Initial Meeting with Mentor, weekly one hour check-ins

Six weely Sprints:

- Complete Open Energy Lab setup and test current version of OpenBMS firmware board
- Document and fix any discovered bugs
- Engage OpenBMS community on enAccess Foundation Discord
- Merge successfully PR from energy-iot GitHub fork to OpenBMS.

