

# GLV Maintainability Plan

ECE 492 - Spring 2015

## Abstract

This document presents an analysis of the LFEV-2015 system to prove that the system can be repaired if any hardware fault occurs, and the software can be maintained by others over the 5-year life of the system.

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# Summary

The GLV system consists of various hardware parts and minimal software programs that need to be maintained and/or repaired if issues arise. This document analyzes the maintainability of both the hardware and the software to guarantee the 5-year life of the system.

## Maintainability Plan

### Hardware Maintainability

When designing circuitry and picking parts to use, the GLV team will only select parts which meet the requirements. When parts are being bought, important maintainability data will be highlighted.

### Software Maintainability

The VSCADA team will write all software used in the GLV system for sensors. The GLV team will work with the VSCADA team to verify software programs are within spec.