# Interlock Product Requirements

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|---|---|
| **Target release** | POC estimated March 15, 2023 |
| **Epic** | |
| **Document status** | DRAFT |
| **Document owner** | Jack Smith |
| **Designer** | |
| **Developers** | Rich Osman<br>Joshua Freedman<br>Jack Smith<br>Alec / Cedar Circuit |
| **QA** | TBD |

## Goals

- Produce an AC Power Interlock device which fills roles for multiple committees
- Enable a supportable and open source hardware and software product

## Background and strategic fit

## Assumptions

- Users will be non-Technical
- Maintainers might be non-Technical
- System will be subjected to harsh dirty environments
- System will need to be maintained and serviceable, both hardware and software

## Requirements

| # | Title | User Story | Importance | Notes |
|---|---|---|---|---|
| 1 | CANtroller | The solution must have a microcontroller node | Critical | PoC currently under development by @josh |
| 2 | CANtacktor | The solution must have at least one type of contactor node | Critical | |
| 3 | Logging and Reporting | The solution must have a centralized method of logging and reporting | Critical | Currently targeting ElasticSearch as deployed by Joshua Freedman |

## User interaction and design

## Questions

Below is a list of questions to be addressed as a result of this requirements document:

| Question | Outcome |
|---|---|
| | |

## Not Doing