sdmay18-16: Implementing OpenPLCs into a Cyber Defense Competition
Week 4 Report
September 30 - October 13

Team Members
Matthew McGill — *Meeting Facilitator, Project Manager*
Brennen Ferguson — *Hardware Engineer*
Joseph Young — *Security Engineer/Meeting Scribe*
Liam Briggs — *Hardware Engineer*
Joshua Przybyszewski — *Software Engineer*
Nicholas Springer — *Security Engineer*
Val Chapman — *Test Engineer*

Summary of Progress this Report
Since the last report, the team has decided on a final deliverable using Factory IO. After meeting and discussing this in a meeting with the team and mentors, we were able to imagine different ways we could implement this to accomplish the goals of the project. We started digging deeper in the software to find even more ways to implement it and connect other machines to it.

Pending Issues
We are currently looking for the best way to create a system that the Factory IO will thrive in and possible scenarios for the CDC competition.

Plans for Upcoming Reporting Period
In the next reporting period we hope to accomplish creating an easily replicable system for each team in the competition and to create multiple scenarios in Factory IO to grow on or combine for a final product.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Matthew McGill	Organized meetings, documented discussion, researched FactoryIO financial options	5	16
Brennen Ferguson	Website maintenance, Factory IO testing and installation as well as Linux OpenPLC installation	7	17
Joseph Young	Factory IO research focusing on hardware implementation possibilities	6	16
Liam Briggs	Website maintenance, Factory IO design research	6	17
Joshua Przybyszewski	Git repo organization, Factory IO research on past projects and implementations with use	5	14

	of PLC's in education		
Nicholas Springer	Factory IO installation and use with virtual machines	7	18
Val Chapman	Factory IO installation and documentation, researching possibilities with other systems over the network	7	17