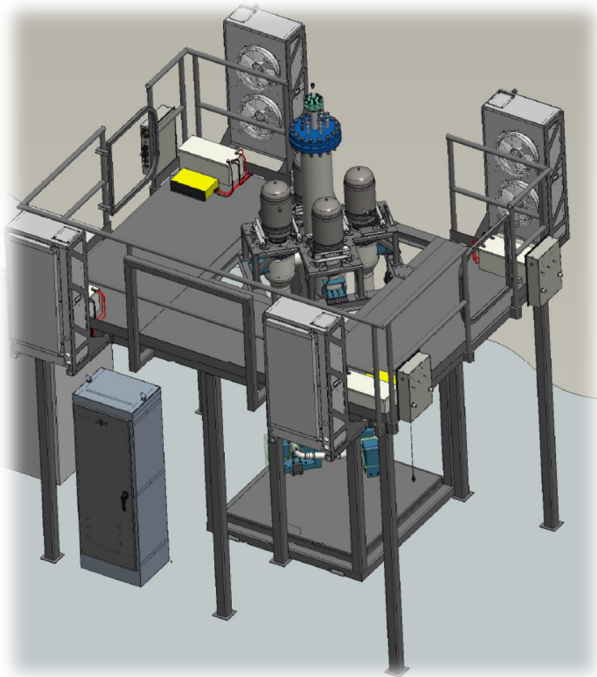
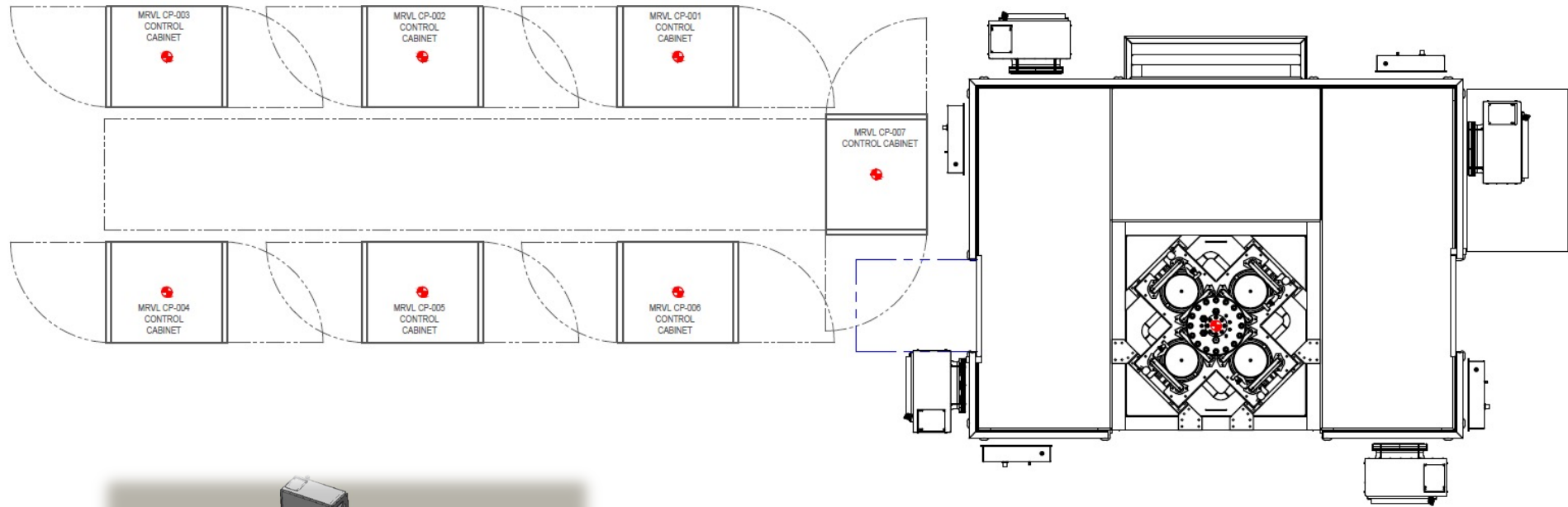




PCAT Electrical and Controls

Scott Reed,
PCAT Electrical Manager
March 2022

Overview



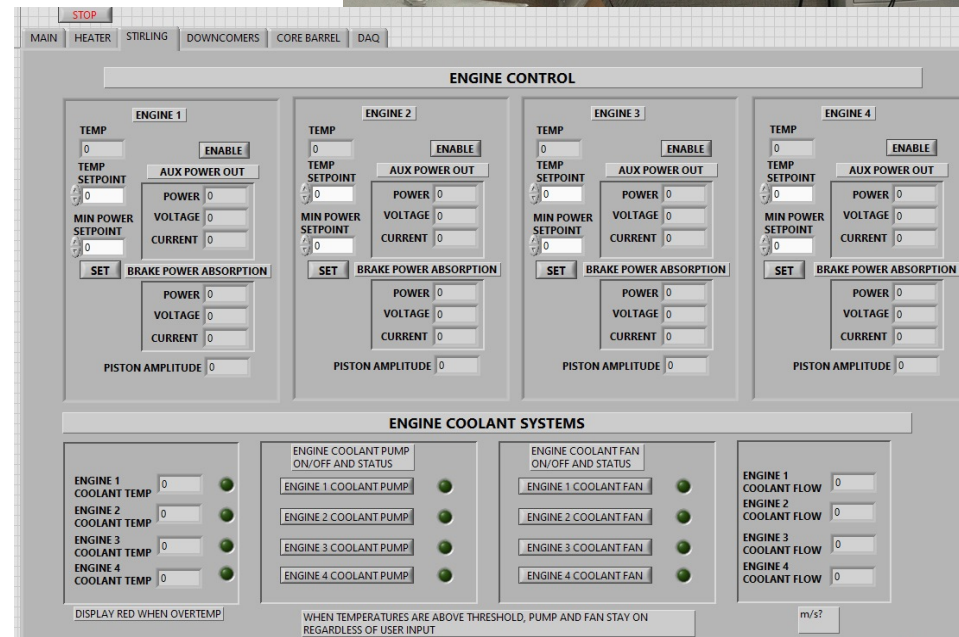
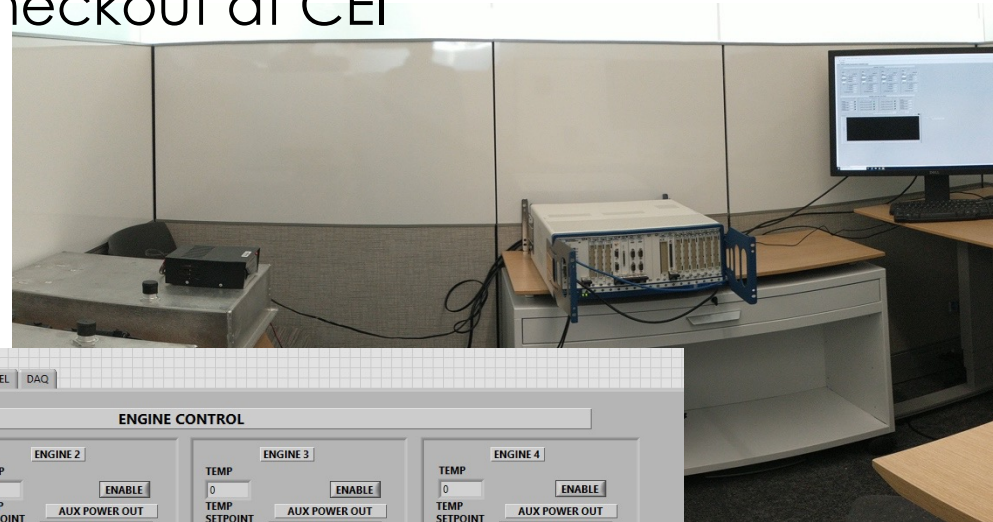
Electrical Control System



Software

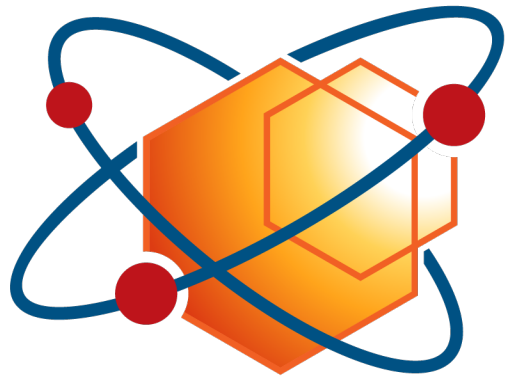
Three phase software implementation

1. In-office software development
2. Partial mockup and checkout at MFC
3. Commissioning and checkout at CEI



Summary

- **Activities completed before shipment**
 - Fabrication of control cabinets, cables
 - Partial test of controls system
- **Future activities at CEI**
 - Finalize controls for
 - Sterling engines
 - Heater loop tuning
 - Finalize & execute system operability test
 - Turnover system to CEI to execute PCAT



MRP Microreactor
Program