SoLID Magnet Controls System Meeting Minutes

Date: September 14, 2022
Time: 11:00 – 12:00

Attendees: Pablo Campero, Steven Lassiter, Tyler Lemon, and Marc McMullen

1. ## HMI screen development
   Pablo Campero
   1. Modifying *Solenoid Valve Setup* HMI screen
      - Added indicator to monitor valve operation mode
      - Need to define input controls for heat exchanger valves
      - Labels needed for JTV7

2. ## PLC programming
   Pablo Campero
   1. Reviewing power supply user manual to enable modifications on PLC code used for communication with power supply
   2. Checked PLC code to control the aperture of the heat exchanger valves in remote PLC mode and automatic mode
      - Only need one PID controller for each heat exchanger valve

3. ## FactoryTalk View Data Log system
   Pablo Campero
   1. Completed code to start data log system recording automatically when HMI server computer is powered on
      - Using macros and default commands available in FT View software
      - Testing in progress

4. ## Electrical and Controls Drawings
   Mary Ann Antonioli and Pablo Campero
   1. Modified drawing A00000-16-03-0221 and 0308 based on wiring changes done
      - Vacuum and liquid level sensors wiring
   2. Modifying drawing A00000-16-03-0403 and 0240
      - Radial support strain gauges sensor
   3. Modified drawings will be posted once revision are completed

5. ## Turret Work
   Brian Eng, Mindy Leffel and Marc McMullen
   1. Completed the repair of broken wires on the D-Sub connectors on the bottom of the turret
      - Vacuum jacket not installed yet