

## DSG-SoLID R&D Meeting Minutes

**Date:** September 16, 2022

**Time:** 11:00 – 12:00

*Attendees: Mary Ann Antonioli, Aaron Brown, Pablo Campero, Brian Eng, Tyler Lemon, and Marc McMullen*

### **1. PLC programming**

*Pablo Campero*

1. Modified PLC code to control the aperture of the nitrogen heat exchanger valve through PLC automatic mode
  - Configured one PID controller instruction
  - Programmed the correct process variable, set point, and limits for PID controller

### **2. Electrical and Controls Drawings**

*Mary Ann Antonioli, Pablo Campero, and Brian Eng*

1. Completed modifications for drawings:
  - A00000-16-03-0221- Vacuum, Pressure, Mass flow, and Pressure Sensors
  - A00000-16-03-0220 – Liquid Level Controller Wiring Diagram
  - A00000-16-03-0308 – PLC ADC Module Wiring Diagram
  - A00000-16-03-0403 – Radial Strain Gauges Cable Diagram
  - A00000-16-03-0240 – Strain Gauge Measurement Wiring Diagram
2. Review of completed drawings in progress

### **3. Turret Work**

*Brian Eng, and Mindy Leffel*

1. Installed six male thermocouple connectors for the cables at the top of the turret
  - Received extension cable for thermocouple sensors connection; 25-ft cables will be fabricated