

## DSG-SoLID R&D Meeting Minutes

**Date:** December 3, 2020

**Time:** 11:00 – 12:00

Attendees: Mary Ann Antonioli, Peter Boneau, Aaron Brown, Pablo Campero, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

### 1. PLC Programming (Pablo Campero)

- 1.1. Continued debugging Flex I/O 1794-ACN15 module
  - 1.1.1. Verified that module is a series C
  - 1.1.2. Verified Status and Communication Status indicators; flashing green indicator shows online, but not connected
  - 1.1.3. Unable to upgrade firmware since target device is not reachable
- 1.2. Added comments to some changes in PLC routines to help with tracking and understanding of changes of the code by users
- 1.3. Reviewed added comments for version changes in the PLC Programming spreadsheet

### 2. HMI and CSS-BOY screens

- 2.1. Pablo Campero is testing CCR-Expert and JTV Page CSS-BOY screens
  - 2.1.1. Header missing on JTV Page screen; to fix, added local variable
  - 2.1.2. Pablo Campero will arrange a Bluejeans meeting with Mary Ann Antonioli to show required modifications for headers
- 2.2. [HMI & CSS List](#) updated and posted on DSG website
- 2.3. Mary Ann Antonioli received HMI file and PV names to start *Solenoid Valve Setup* CSS-BOY screen; should begin screen next week

### 3. Documentation

- 3.1. Completed and posted AutoCAD drawing A00000-16-03-0221 *Mass Flow, Pressure and Vacuum Wire Diagram*.
- 3.2. Pablo Campero will re-send modified *HMI & CSS-BOY Screens* talk modified for revision
- 3.3. *Developed Solenoid JTV Page HMI & CSS-BOY Screens* DSG note is in progress

### 4. Assembly of five Motor Controller Relay (MCR) and eight Constant Current Source (CCS) boards will start in mid-January, 2021

### 5. Pablo Campero will start developing 3-dimensional models of the Instrumentation and PLC racks using NX 12 software