

DSG-GEM R&D Meeting Minutes

Date: December 21, 2020

Time: 11:00 – 12:00

Attendees: Pete Bonneau, Aaron Brown, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. DSG has installed the Raspberry Pi on the prototype GEM gas distribution set up in the TEDF
 - 1.1. Marc McMullen has started the flow readback software and has tested remote login on the Raspberry Pi using XRDP (remote desktop protocol)
 - 1.2. Marc McMullen has written detailed instructions on remote login and software startup for the Raspberry Pi

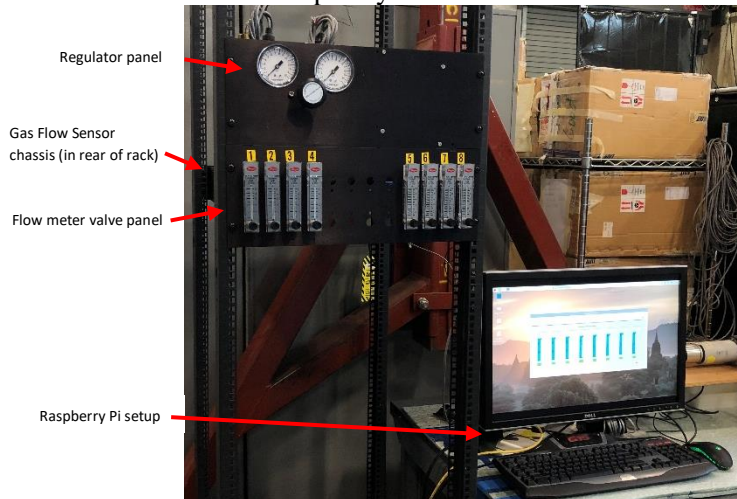


Figure 1. Prototype GEM Gas Distribution panel and Raspberry Pi setup

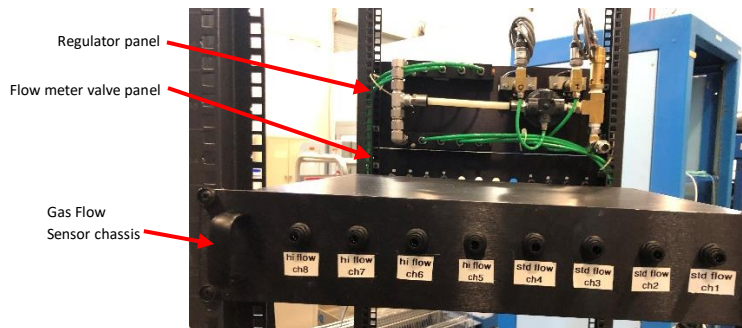


Figure 2. Prototype GEM Gas Distribution rear view

2. Marc McMullen has submitted the fabrication drawings for the operational Gas Flow Sensor chassis to be manufactured by Par-Metal
 - 2.1. Procurement has requested and received a quote from Par-Metal
3. Marc McMullen has received the modified enclosures for the exhaust Multiplexer and Gas Flow Sensor boards
 - 3.1. The enclosures will be evaluated for fit before approving the completion of the balance of the enclosures



Figure 3. Multiplexer enclosure for GEM exhaust system