

# Hall C EPICS Project Status Report

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*DSG Staff: Peter Bonneau, Pablo Campero, Tyler Lemon*

## 1. HV System

### 1.1. Testing HV CSS screens

1.1.1. Found that controls were still having issues caused by separate control and readback PVs on old CAEN mainframes.

1.1.2. Backup script worked as expected.

1.1.2.1. Backup of all HMS and SHMS HV channel properties performed in ~20 seconds.

## 2. HMS & SHMS PLC to EPICS Communication

2.1. EtherIP-EPICS-driver-example-IOC installed and configured to read a 100-element array from PLC.

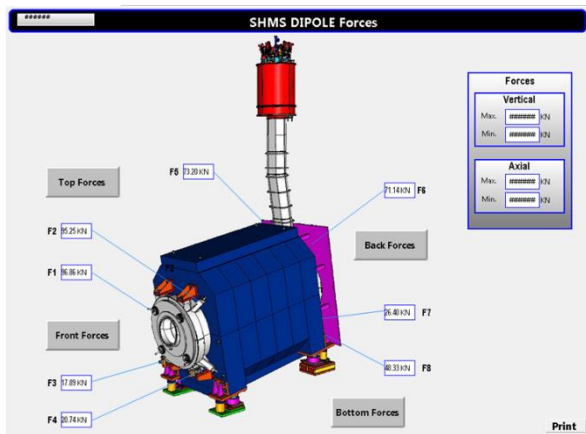
2.1.1. IOC will be used as a template to develop long-term stability test of EtherIP-based PLC-to-EPICS communication.

## 3. WEDM (HMS & SHMS Remote Monitoring)

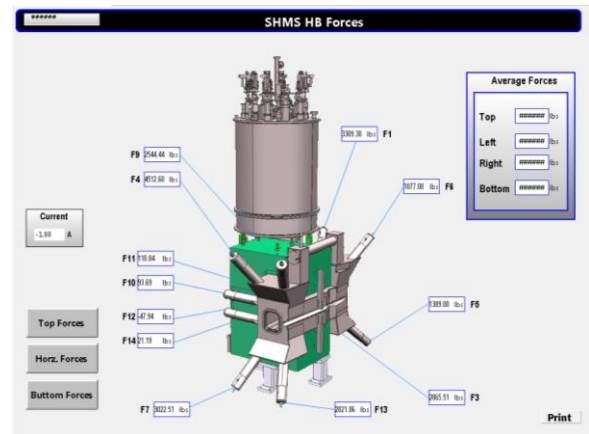
3.1. Converted SHMS Dipole and HB forces CSS screens to WEDM.

## 4. CSS-BOY Screen Development

4.1. Developed two CSS-BOY screens to monitor forces for the SHMS Dipole and Horizontal Bender magnets.



SHMS Dipole forces CSS-BOY screen



SHMS Horizontal Bender forces CSS-BOY screen