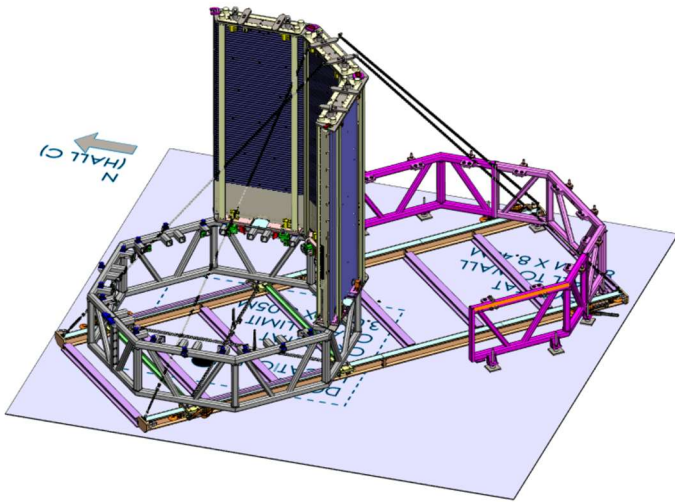


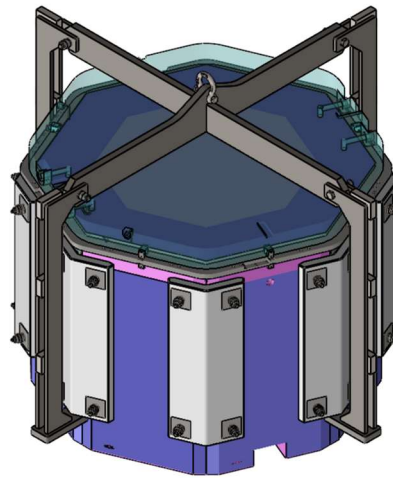
A little bit about me

- Studied Mechanical Engineering at McMaster University
- Studied Mechanical Technology at Sheridan
- Ongoing Part Time M.Eng Studies at University of Alberta
- Previously Employed on UofA Engineering Support Staff – DS20k Project
- Strengths
 - Structural Design
 - FEA
 - Rotating Systems
 - CAD Modelling and Technical Drawings
 - Laser Tracking and Tripod Mounted Laser Scanning (Metrology)
 - Applied Mechanical Vibration Analysis
 - Always excited to try something new!

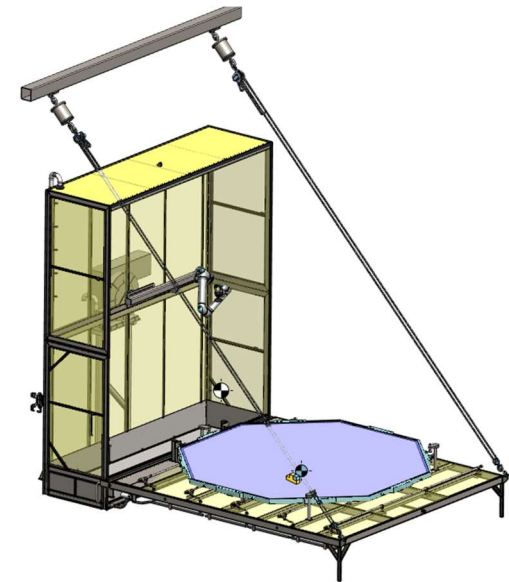
UofA Related Activities



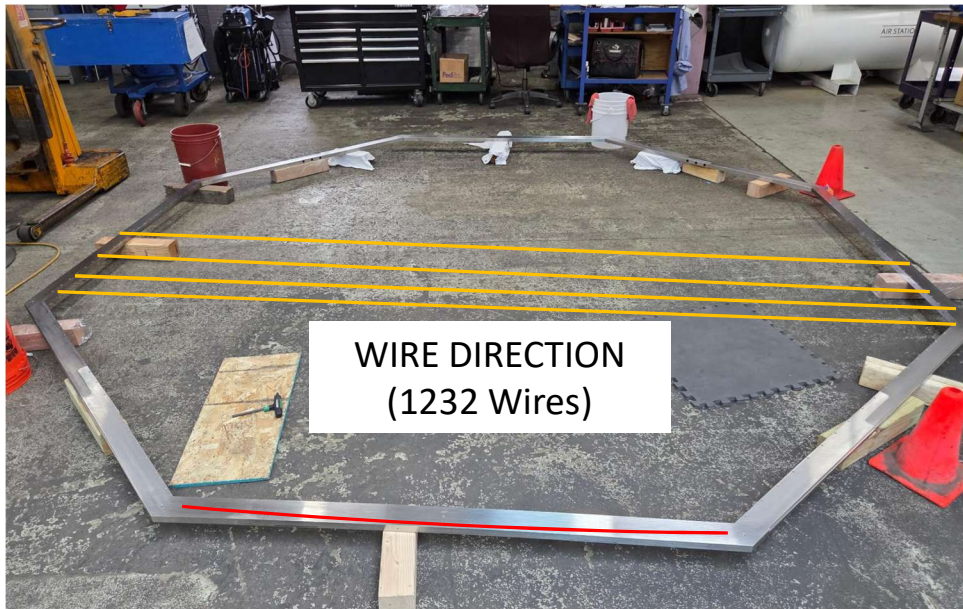
Structural Design



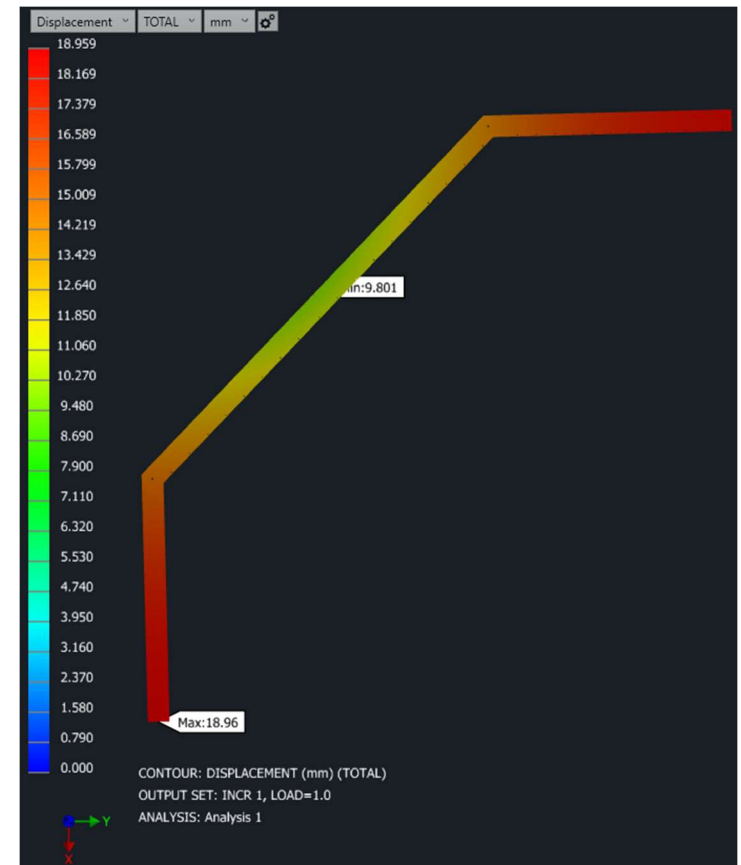
Unique ASME BTH-1 Lifting Systems

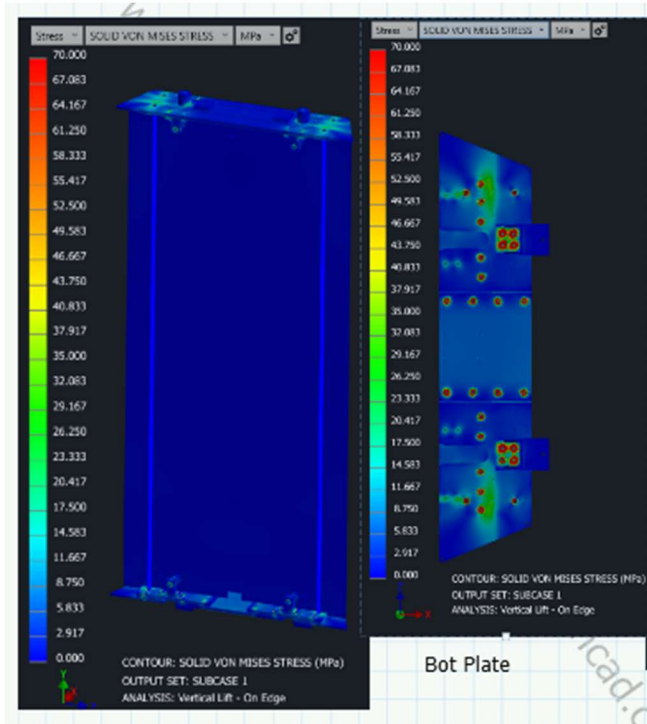


Sanding/Washing Station (Ongoing)

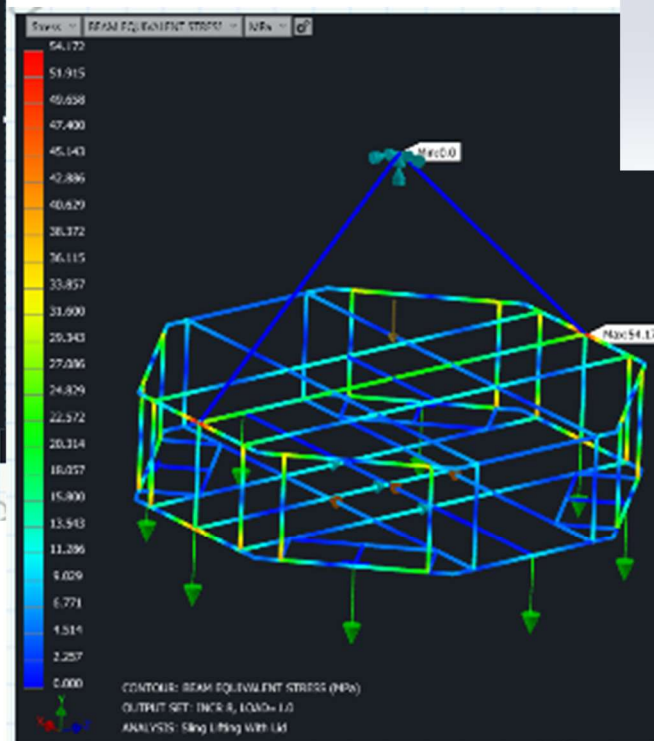


Electrostatic Grid Frame
Curved Members Become Straight When Wires are Tensioned

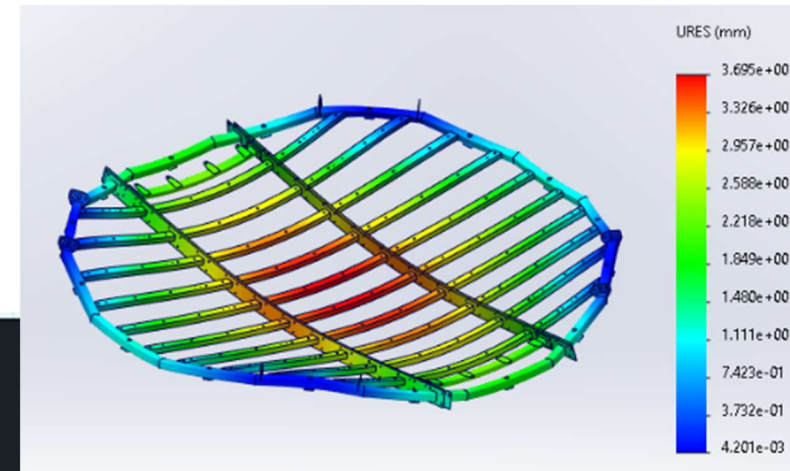




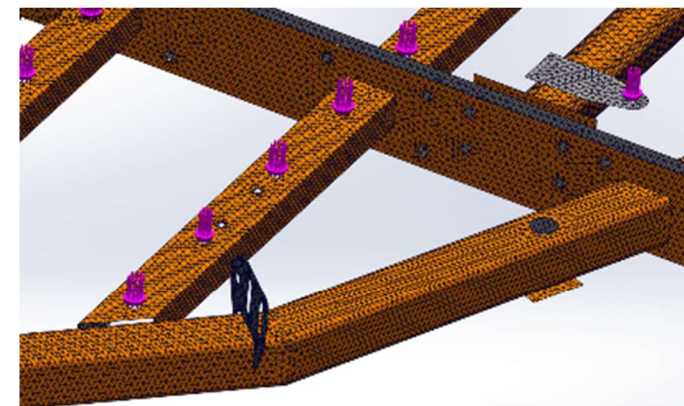
Barrel Panel Exoskeleton
(Lifting and Sealed Enclosure)

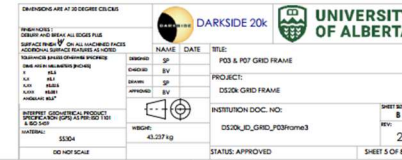
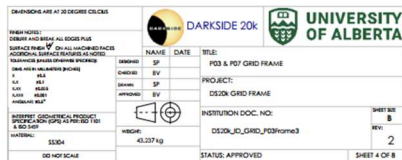


Transportation Boxes
(Structural Sealed Enclosure)

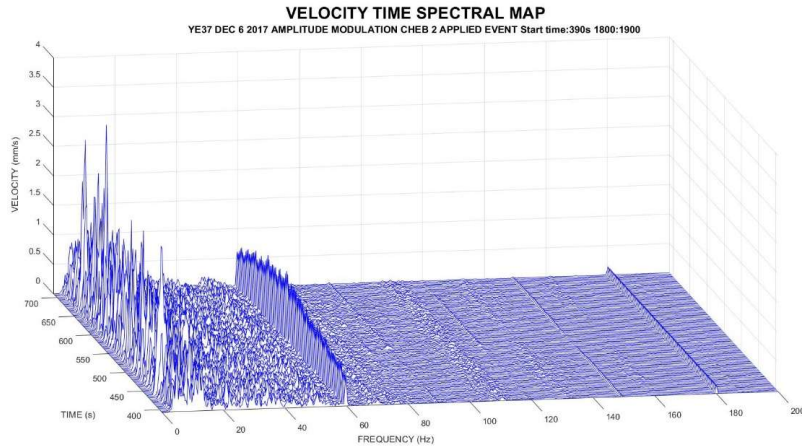


Creep Controlled Saddles

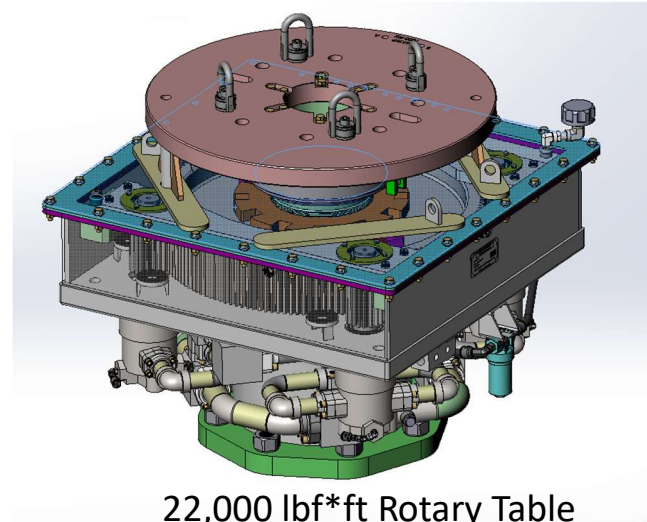




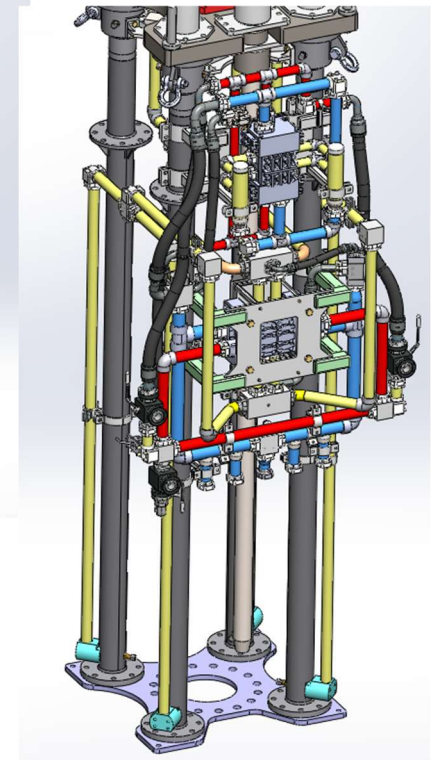
Non Detector Related Activities



Vibration Analysis for Rotating Systems



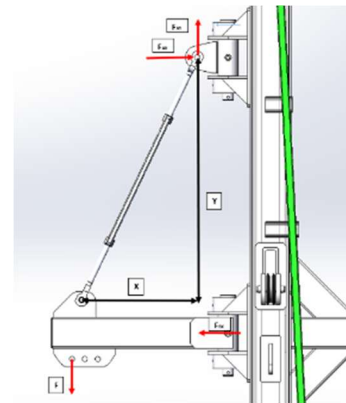
22,000 lbf*ft Rotary Table
(Gearing System)



3000 PSI B31.3 Jacking System

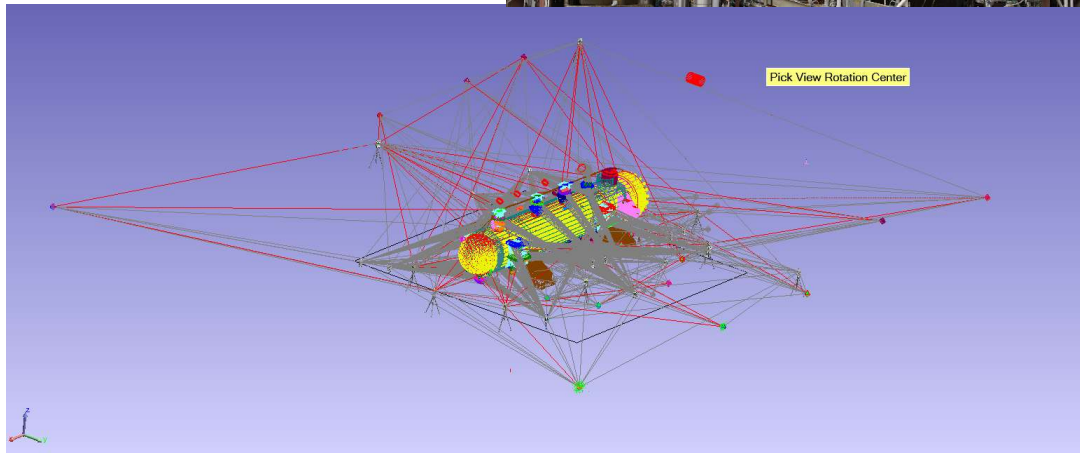
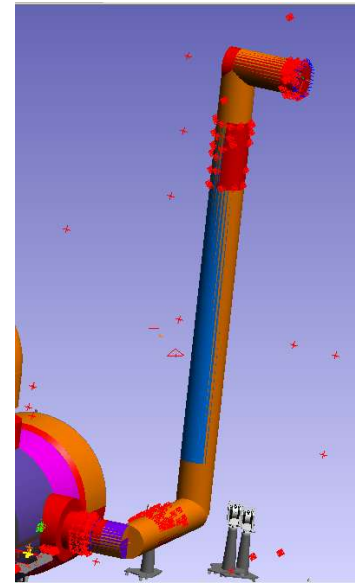


Mud/Gas Separator and Structure



Specialized Jib Cranes and Lifting Devices

Laser Scanning and Tracking Analysis



Thank you.

Looking Forward to Working With the IPDC