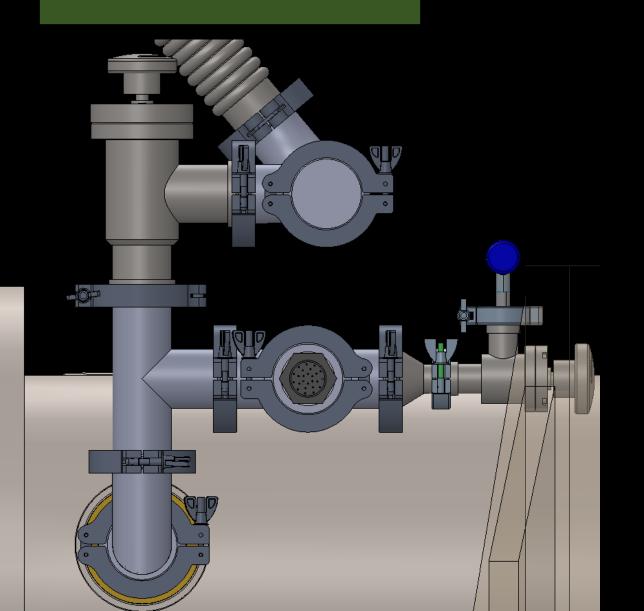
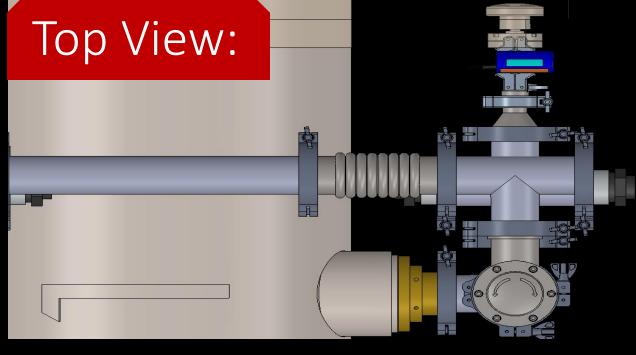
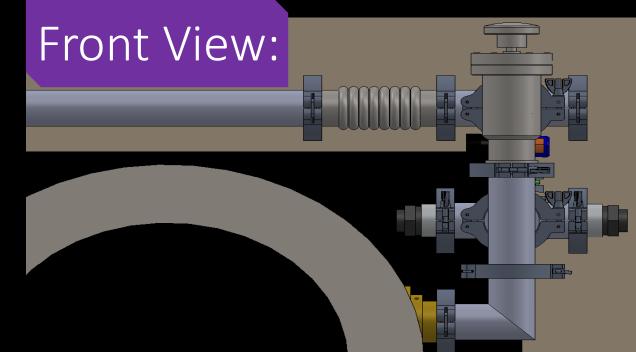


Side View:



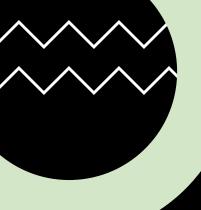




Purchasing Plan

- No items bought since last presentation
 - Everything has been used

	Make	Primary			Quanity	Unit	Total	Part	Amount
Description	or Buy	Vendor	Part No.	Lead Time	Ordered	Cost (\$)	Cost (\$)	Status	Received
QF 50 Mitred 90° Elbow, Stainless Steel, 2"OD	Buy	Kurt J. Lesker	QF50-200E90M	In Stock	6	86	516	Received	6
QF 50 Tee, Stainless Steel, 2" OD	Buy	Kurt J. Lesker	QF50-200-T	In Stock	12	146	1752	Received	12
QF 50 Cross, Stainless Steel, 2"OD	Buy	Kurt J. Lesker	QF50-200-X	KJLC will contact	6	220	1320	Received	6
QF50 TO QF25 Reducing Nippple, Stainless Steel	Buy	Kurt J. Lesker	QF50XQF25C	In Stock	6	81	486	Received	6
QF 25 Clamp, Aluminium	Buy	Kurt J. Lesker	QF25-100-C	In Stock	6	9	54	Received	6
QF 25 Centerning Ring, Stainless Steel	Buy	Kurt J. Lesker	QF25-100-SRV	In Stock	6	9	54	Received	6
QF 25 Valve, Stainless Steel, FKM SEALED	Buy	Kurt J. Lesker	SA0100MVQF	In Stock	6	335	2010	Received	6
KF 25 Pressure GAUGE	Buy	Kurt J. Lesker	KJL275196	In Stock	6	175	1050	Received	6
QF 50 Blanking Plate, Stainless Steel	Buy	Kurt J. Lesker	QF50-200-SB	In Stock	19	20	380	Received	19
4in DiaBrass Stcok (12in Segaments)	Buy	MidWest Steel Supply	N/A	In Stock	3	284.22	852.66	Received	3
QF 50 Centering Ring, Aluminium	Buy	Kurt J. Lesker	QF50-200-ARV	In Stock	61	12	732	Received	61
QF 50 Clamp Aluminium	Buy	Kurt J. Lesker	QF50-200-C	In Stock	61	17	1037	Received	61
QF 50 12.6" Pipe, Stainless Steel, 2" OD	Buy	Kurt J. Lesker	QF50-200-NL	In Stock	6	89	534	Received	6
6" Bellows, Stianless Steel, 2" ID, .012" Wasll	Buy	Kurt J. Lesker	MH-QF-D06	In Stock	6	123	738	Received	6
QF 50 Non Mitred 90° Elbow, Stainless Steel, 2"OD	Buy	Kurt J. Lesker	QF50-200-E90	In Stock	1	95	95	Received	1
Smooth-Bore Seamless 304 Stainless Steel Tubing	Buy	McMaster-Carr	89895K794	In Stock	1	230.6	230.6	Received	1
Flexible Coolant Hose	Buy	McMaster-Carr	5727K53	In Stock	3	20.66	61.98	Received	3
Worm-Drive Clamps for Firm Hose and Tube	Buy	McMaster-Carr	5416K58	In Stock	2	14.47	28.94	Received	2
Threaded-Rod-Mount Clamping Hanger	Buy	McMaster-Carr	2615T19	In Stock	6	3.15	18.9	Received	6
Quick-Clamp High-Vacuum Fitting	Buy	McMaster-Carr	4518K14	In Stock	1	109.57	109.57	Received	1
Metal End Support	Buy	NPOI	N/A	N/A	1	0	0	Received	1
Carbide Tiped Lathe Tool	Buy	McMaster-Carr	3367A889	In Stock	2	15.52	31.04	Received	2
Threads Per Inch And Center Identifier	Buy	McMaster-Carr	2072A11	In Stock	1	30.16	30.16	Received	1



Manufacturing Plan

		Primary			Quanity	Unit	Total		Amount
Description	Make or Buy	Vendor 🗸	Part No.	Lead Time	Ordered 🗸	Cost (\$)	Cost (\$)	Part Status 🔻	Received
3in DiaBrass Stock (3.75in segments)	N/A	N/A		N/A	6	Donated	\$0.00	Received	6
TankToKF50 Interface	Make	N/A		8hrs Per Part	6	\$0.00	\$0.00	Finished	6
Interface Adaptor Ring	Make	N/A		40min Per Part	6	\$53.33	\$320.00	Finished	6
PAVE Electrical Feedthroughs	BUY	PAVE		N/A	12	Donated	\$0.00	Received	12
PAVE Standoff	Make	N/A		40min Per Part	12	\$0.00	\$0.00	Finished	12
Electrical Feedthrough Blanking Plate	Make	N/A		30min Per Part	12	\$0.00	\$0.00	Finished	12
Cut 12.6in Pipe	Make	N/A		20min Per Part	2	\$0.00	\$0.00	Finished	2

Manufacturing

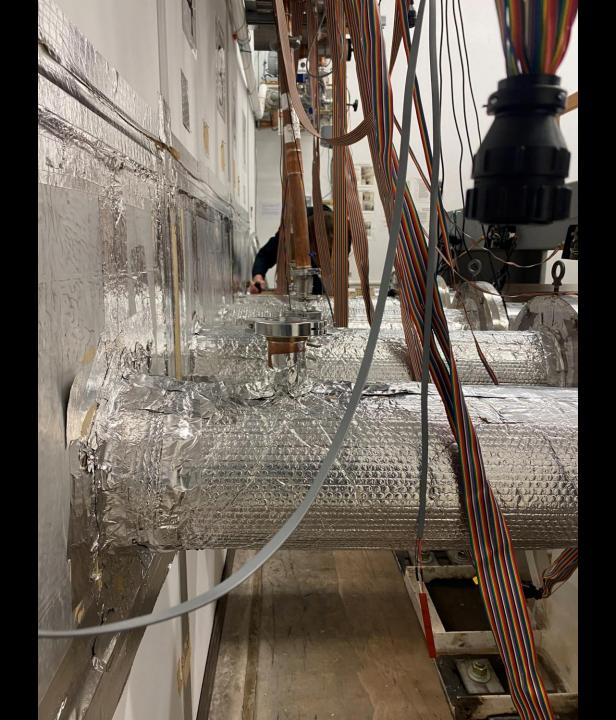


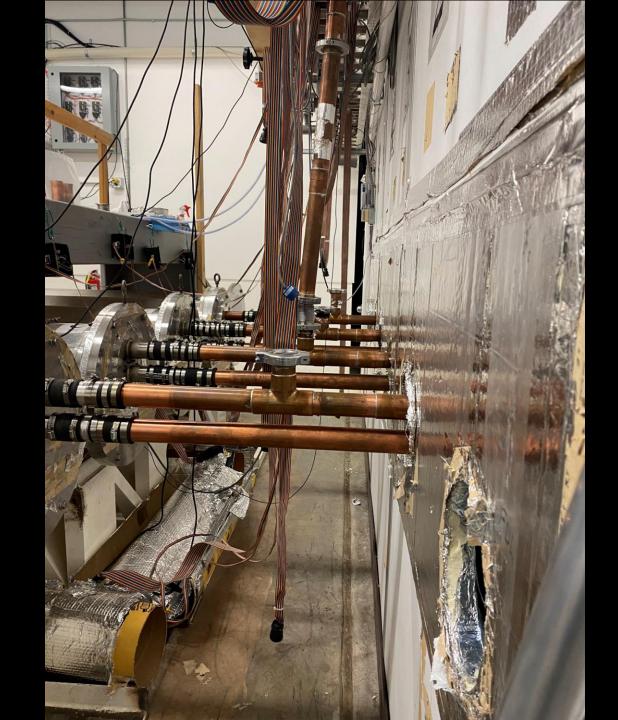




100% Build

Disassembly





















Assembly









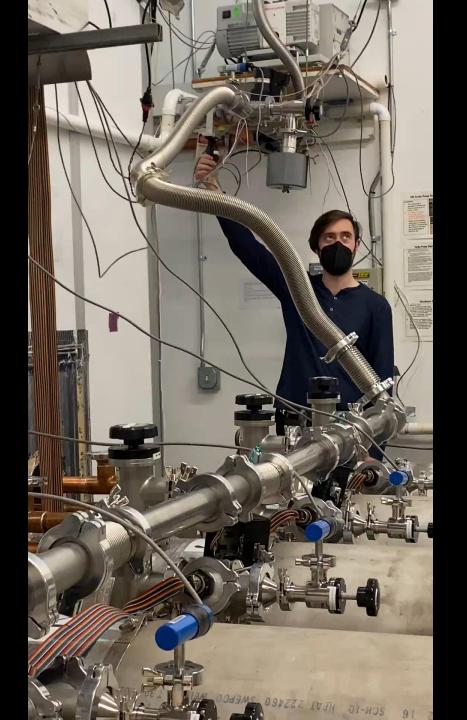






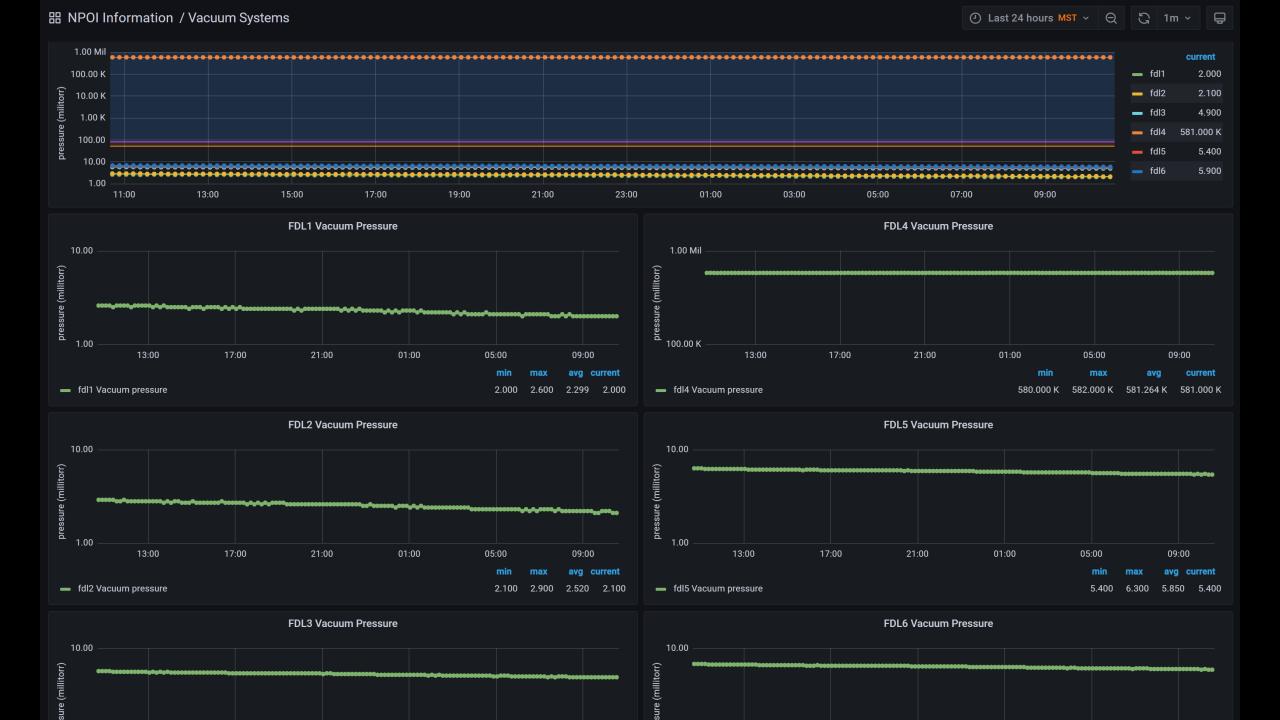












			† Chart L	egend†		March										April Control of the																							
		noi dines	Wrogree.			WT	FS:	5 M	T W	T F	S	S M	ΤV	/ T	F S	S M	1 T	W T	FS	S	МТ	W.	ΓF	S S	М	T W	TF	S	SI	МТ	WT	F 9	3 S	M T	WT	F 9	S	M T	W
Milestone description Cate	gory A:	ssignea In	riogres	Start	End	9 10	11 12	13 14	15 16	17 1	8 19	20 21	1 22 2	23 24	25 2	6 27 2	28 29	30 3	1 1	2 3	4	5 6	7 8	9 1	11	12 13	14	15 16	17	18 19	9 20 2	1 22	23 24	25 26	27 2	8 29	30 1	. 2	3 4
Project Management Assignment On T	Track	All	100%	1/10/2022	1/14/2022																																		
Individual Analysis or Self Learning On T		Wyatt	100%	1/10/2022	1/26/2022																																		
Individual Analysis or Self Learning On T		Cydny	100%	1/10/2022	1/26/2022																																		
Individual Analysis or Self Learning On T		Alex	100%	1/10/2022	1/26/2022																																		
Mill Blanking Plates For 1st Manifold On T		All	100%	1/15/2022	1/21/2022																																		
ssembly Electrical parts for 1st Manifol On T		All	100%	1/15/2022	1/21/2022																																		
	Track	All	100%	1/21/2022	1/29/2022																																		_
Mill Blanking Plates For 2nd Manifold On T		All	100%	1/21/2022	1/29/2022																	-																	+
ssembly Electrical parts for 2nd Manifo On T Assembly Completed Second Manifold On T		All	100%	1/21/2022 1/29/2022	1/29/2022 3/25/2022																	+															-	-	-
		All	100%	2/4/2022	2/9/2022																	+																-	-
Combine 1st and 2nd Manifold On T Hardware Status Update - 33+% On T		All All	100% 100%	214/2022	2/11/2022									+								++										+						++	+
Machine 3rd Brass Interface On T		All	100%	2/11/2022	2/18/2022									+																		+						++	+
Mill Blanking Plates For 3rd Manifold On T		All	100%	2/11/2022	2/18/2022									+								++																++	+
ssembly Electrical parts for 3rd Manifo On T		All	100%	2/11/2022	2/18/2022																																	+++	
Assembly Completed 3rd Manifold On T		All	100%	2/11/2022	3/25/2022																																		_
Website Cheeck #1 On T		All	10070	2/14/2022	2/25/2022																																	+	
Machine 4th Brass Interface On T		All	100%	2/18/2022	3/1/2022																																		
Mill Blanking Plates For 4th Manifold On T		All	100%	2/18/2022	3/1/2022																																	\Box	
ssembly Electrical parts for 4th Manifol On T		All	100%	2/18/2022	3/1/2022																																		
Assembly Completed 4th Manifold On T		All	100%	2/18/2022	3/25/2022																																		
Hardware Status Update - 67+% On T	Track	All	100%	2/25/2022	3/4/2022																																		
Machine 5th Brass Interface On T		All	100%	3/4/2022	3 /11/ 2022																																		
Mill Blanking Plates For 5th Manifold On T		All	100%	3/4/2022	3/11/2022																																		
ssembly Electrical parts for 5th Manifol On T		All	100%	3/4/2022	3/11/2022																																		
Assembly Completed 5th Manifold On T		All	100%	3/4/2022	3/25/2022																																		
UGRAD's Registration On T		All	100%	3/7/2022	3 /11/ 2022																																		
Machine 6th Brass Interface On T		All	100%	3/11/2022	3/18/2022																																		
Mill Blanking Plates For 6th Manifold On T		All	100%	3/11/2022	3/18/2022	\perp								-																		$\perp \perp$						1	4
ssembly Electrical parts for 6th Manifol On T		All	100%	3/11/2022	3/18/2022																											\perp						+	4
Assembly Completed 6th Manifold On T		All		3/11/2022	3/25/2022																	++			-													++	+-
Finalized Testing Plan On T Finish Final Section of Mnaifold On T		All		3/18/2022 3/18/2022	3/25/2022 3/25/2022																	+																++	
		All	100% 100%	3/18/2022	3/25/2022																	+++										+					-	++	+
Hardware Status Update - 100% Build On T Draft Of Poster On T		All	100/0	3/25/2022	4/1/2022																	++										++						++	+
	rrack Track	All	50%	4/1/2022	4/7/2022																											+						++	+
Initial Testing Results On T		ΔΙΙ	10%	4/1/2022 4/1/2022	4/8/2022									+																								++	+
<u>-</u>	Track	All	75%	4/8/2022	4/15/2022									+																								++	
	Track	All	0%	4/8/2022	4/15/2022									+																		++						+	+
Product Demo and Final Testing Result On T		All			4/29/2022									+																								++	
	Track	All			4/29/2022																																	+	
Final Website Cheeck On T		All			4/29/2022																																	+	+
	Track	All			5/5/2022																																		
OIT.			070			1 1	1 1	1 1	I	1 1	1 1	- 1	1 1	I	1 1	1 1	1 1	I	1 1		I	1 1	ı	1 1	1 1	I	1 1	I	1 1		1 1								

