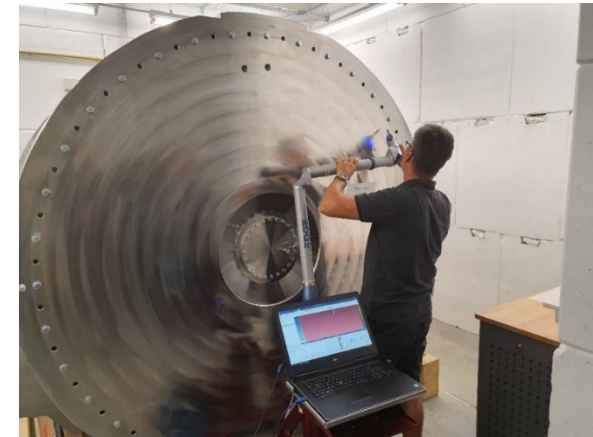


# MM 10.09.2019 - PSU

- **Alvarez\_2.0:** MSP plan put on server
- **FoS:**
  - SAT (repetition of FAT after transp.)
    - vacuum: O-ring seals -> ok
    - vacuum: Cu seals -> to be checked
    - geometry ok
    - surfaces ok
  - preparing low level rf-measurements
- **Galvanic:** additional two months of delay
- **ROSE:**
  - talk at IBIC 2019 Conference
  - developing software for commercializing set-up

The screenshot shows a project management software interface with a Gantt chart and a task list. The main task is 'UNILAC post-stripper upgrade' with a duration of 16.1 weeks. The task list includes various sub-tasks such as 'Start', 'Mechanical assembly', 'System design', 'Simulation', 'Manufacturing', and 'Installation', each with a start and end date and a status indicator.



The screenshot shows a software interface displaying measurement results for a 4D measurement. The interface includes a table of coordinates, a plot of an ellipse, and a table of eigenvalues and eigenvectors.

Start	Measurements	Results
C		
0.73350	-4.4331	4.0238
-4.4340	3.3821	0.4938
4.0223	0.4873	9.9759
1.2499	-1.5259	-2.3544
		1.6445

plot ellipse for C

eigen e1: 2.3925    eigen e2: 0.8427

compare of measured data with virtual transmit of C:

x(smm)	y(smm)	z(smm)	alpha(smm)	beta(smm)	gamma(smm)
3.1415	3.14	-0.135	-0.15	2.611	4.65
3.405	3.10	-2.452	-2.67	8.79	9.66
3.2	3.15	-0.547	-0.56	2.254	2.29
3.125	3.14	0.1	0.12	3.95	3.88
3.33	3.10	-2.69	-2.89	7.35	7.92
4.6725	4.66	-0.802	-0.81	2.677	2.68

info for further 4D measurement

proposed settings for 4D measurement