



**UK Updates
Global CCCM
Dec '24**

Graeme Burt & Niklas Templeton on behalf of UK WP4 team

CM2 Build

- Pre-cleanroom string assembly complete
- + cleaning & qualification of non-cavity beamline equipment
- Step1 underway
- *Step2 expected mid-Jan'25*
- *Clean-build complete by late-Jan'25*
- Cold test equipment upgrade & commissioning complete



Design, Assembly Procedures & Tooling

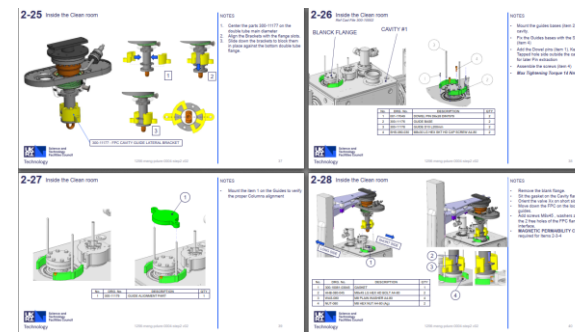
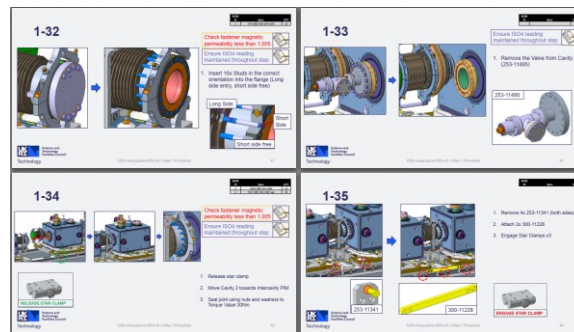
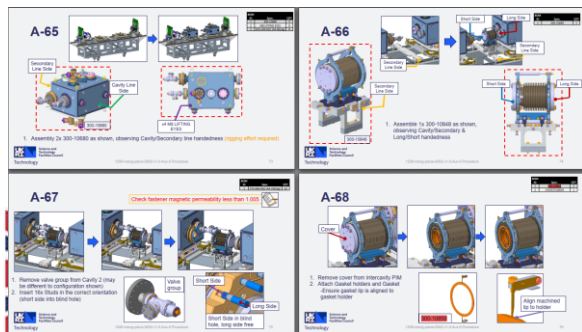
Build Procedures

- Done: *steps 1 & 2*
- Final edits: *steps 3 & 4*
- 1st draft complete: *steps 5, 6, 8, 9, 11*
- To-do: *steps 7, 10, 12*

Auxiliary Procedures

- Done ✓
 - pre-cleanroom string assy (step0)*
 - PIMs processing*
 - Cav incoming handling & acceptance*
 - gate valve processing*
- Final edits: *OVC acceptance & handling*
- 1st draft complete:
 - CM outgoing tests (step13)*
 - Thermal screen mock assy*
- To-do: *Transport tooling & frame (step14)*

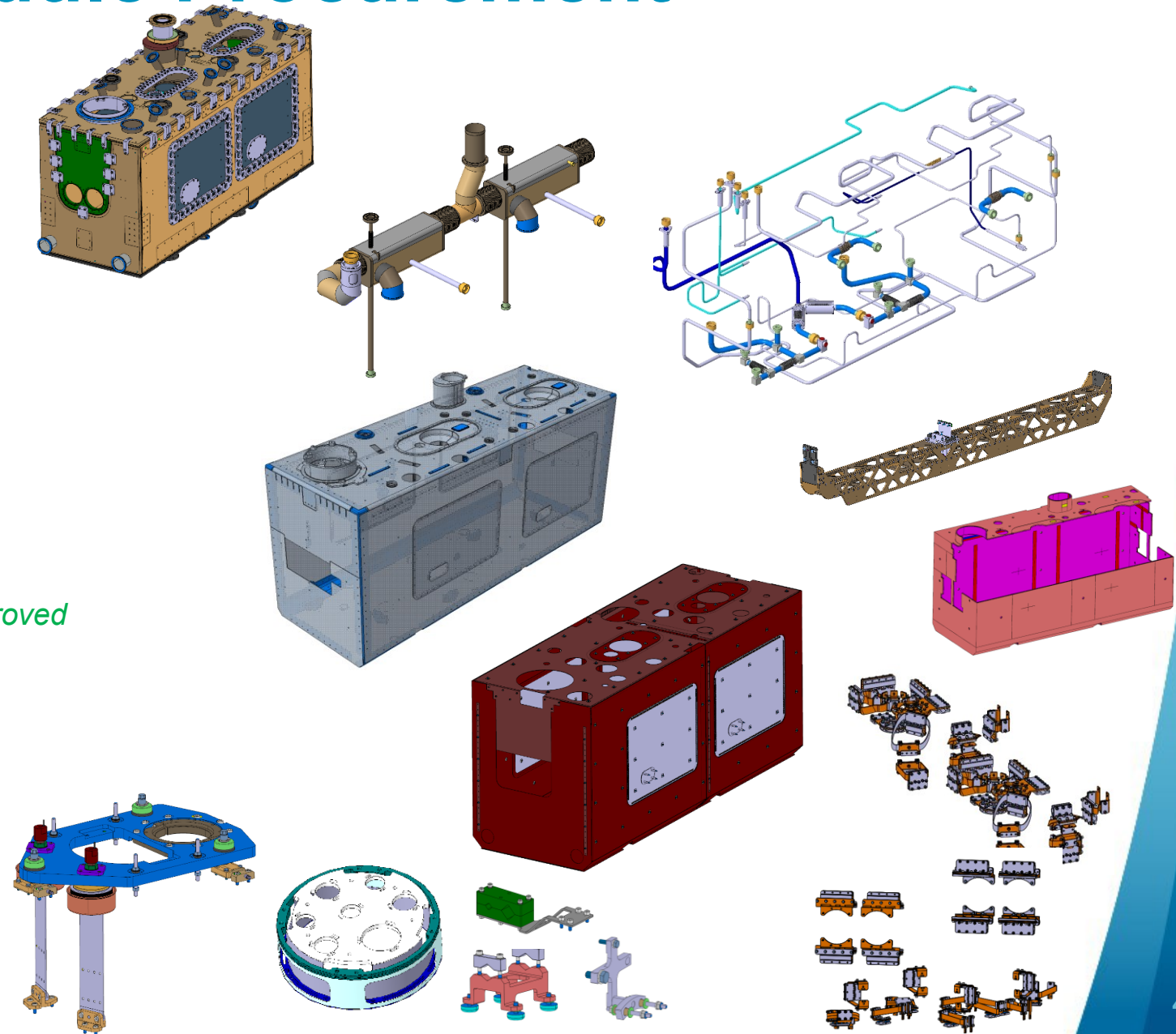
	Prcdrs	Dwgs
RFD SPS	892p	675
DQW LHC	927p	280
(so far)		



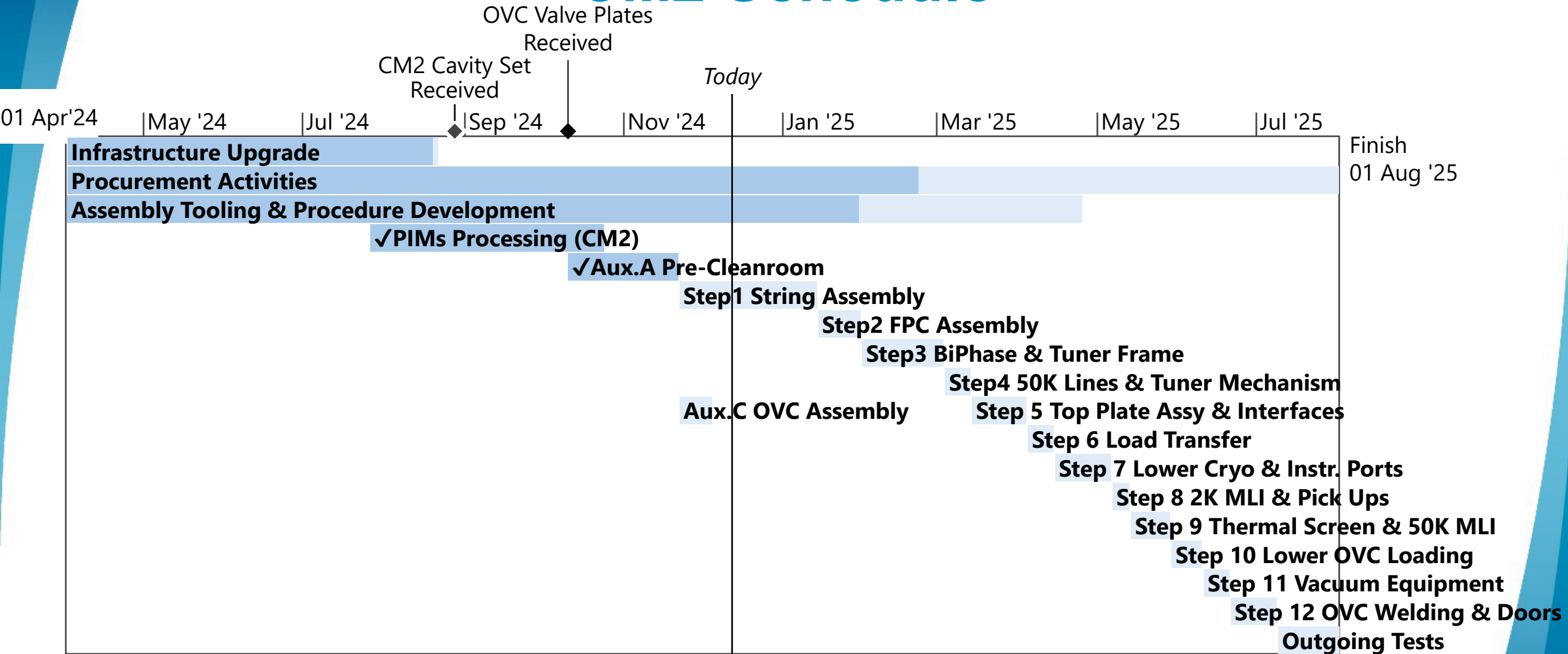
Cryomodule Procurement

Outer Vacuum Chambers: *1st ready to ship*

- 1st Bi Phase line:
 - *MIP & Weld QA approved*
 - *Fabrication underway*
 - *Awaiting delivery estimate*
- 'other' cryolines:
 - *MIP & Weld QA approved*
 - *Fabrication underway*
 - *CM2 Batch 1 expected late-Jan*
- Thermal Screens: *expected mid-Jan*
- MLI: *50K delivered – 2K design & drawings approved*
- Warm Mag Shields: *4 shipped, 5th underway*
- Cavity Support System & Other Packages:
 - *All materials delivered & contracts placed*
 - *Some delivered*
 - *TBD – blade welding*

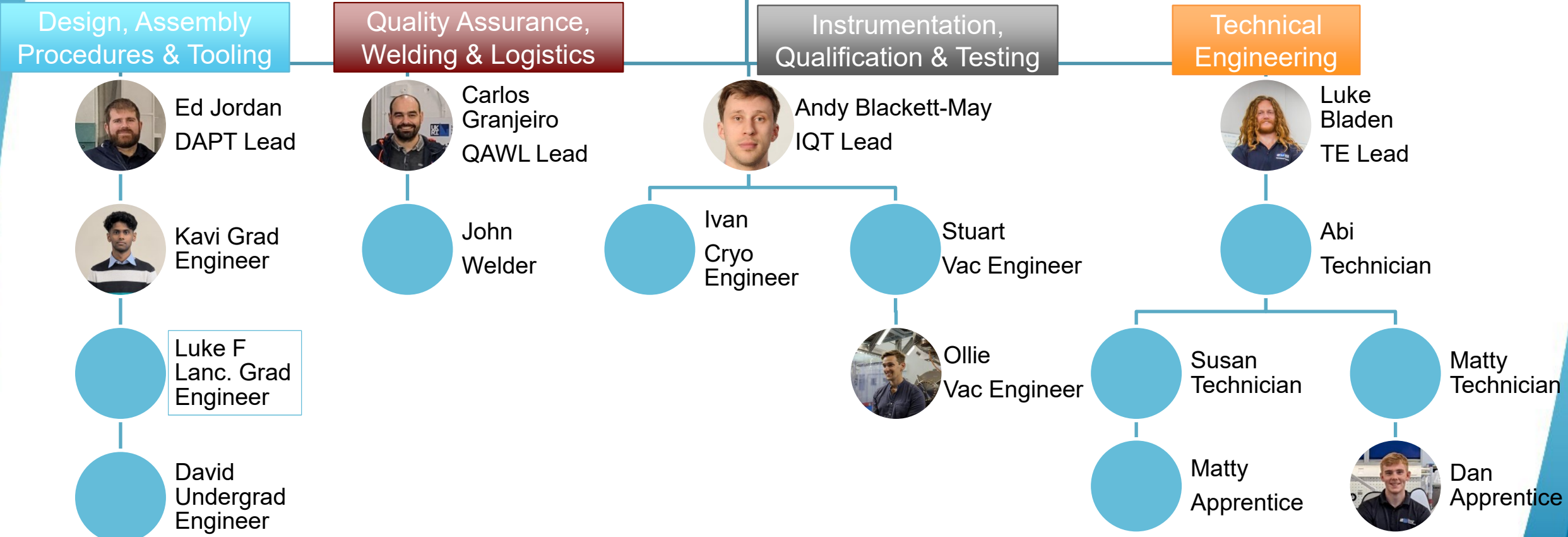


CM2 Schedule





Departed
 Marco Mangiavini
 Contract Engineer Oct'24



simplified representation – does not reflect STFC pay & management





Thanks!

Questions?

