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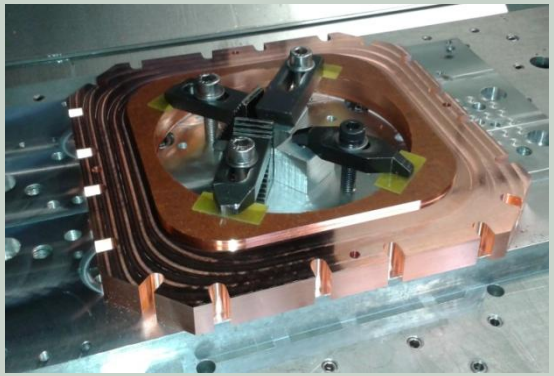
FETS meeting

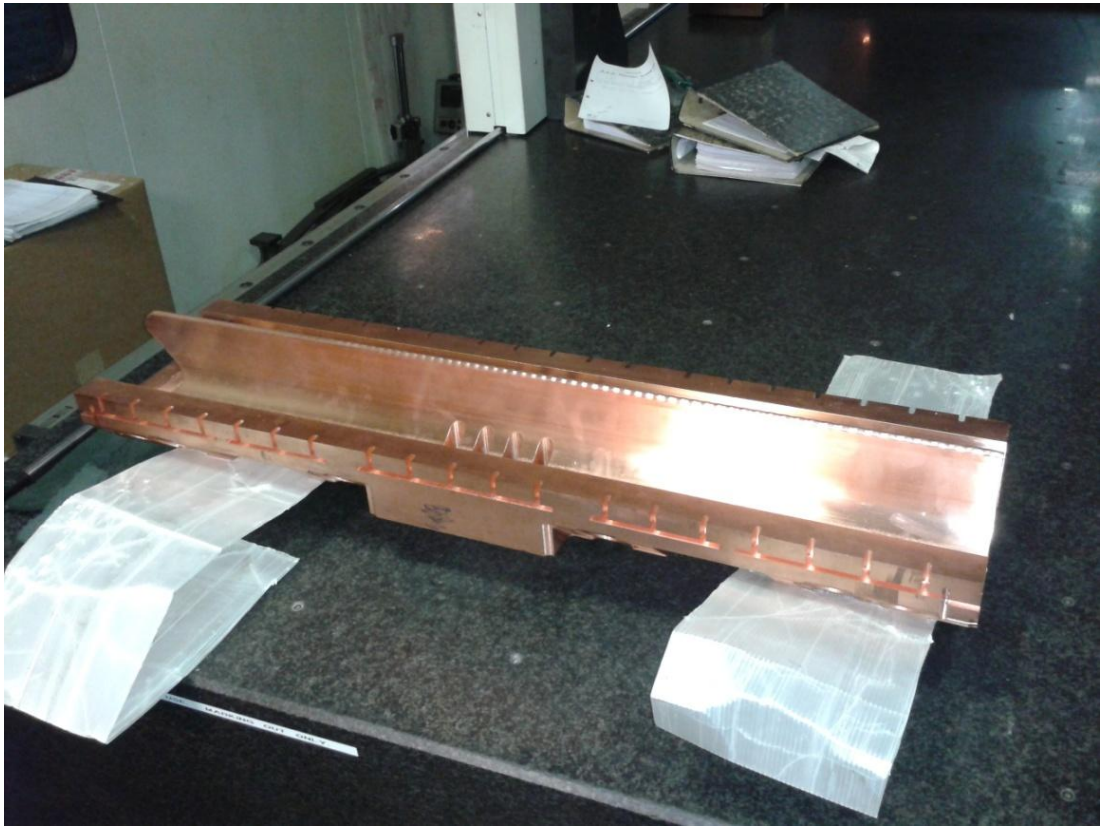
by **Peter Savage**

6h June 2012



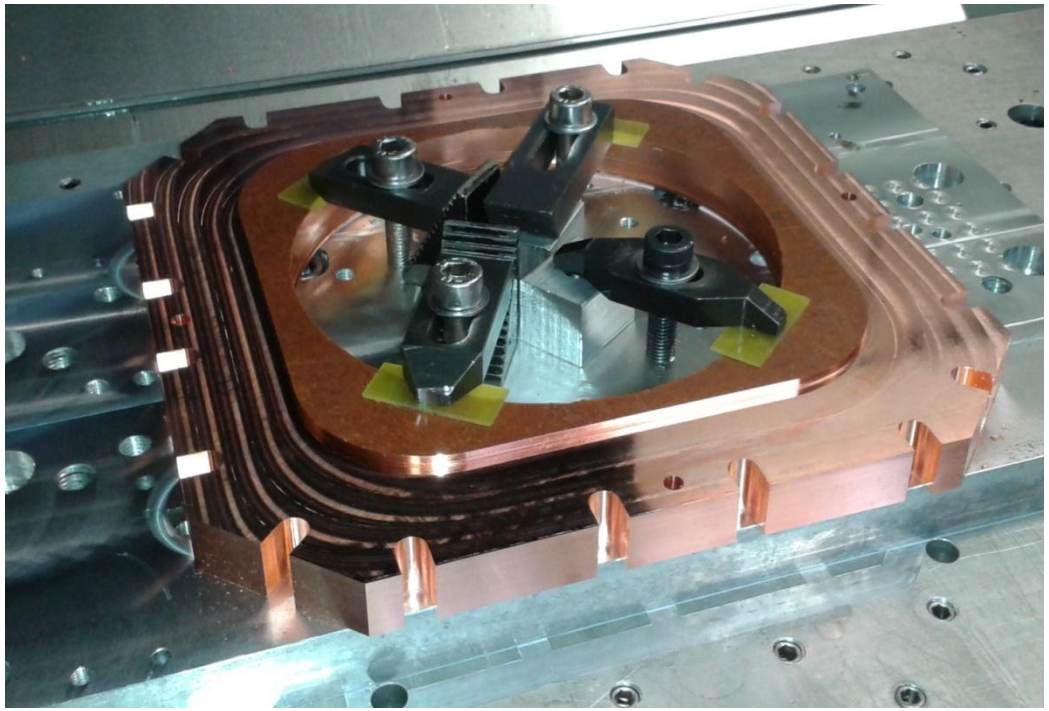
RFQ

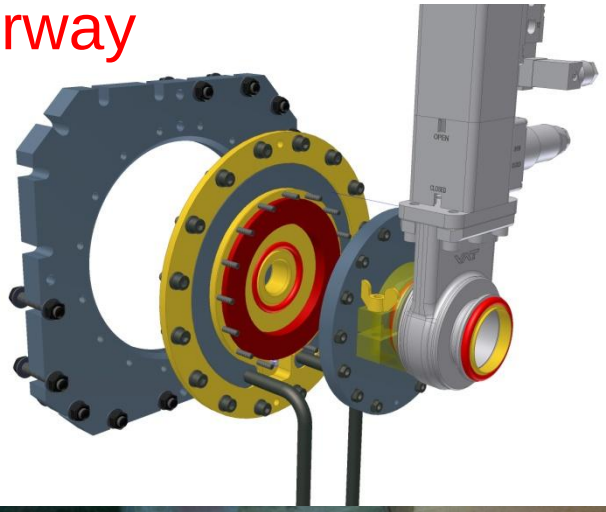
Status – section 1 due for delivery 1st week of July.

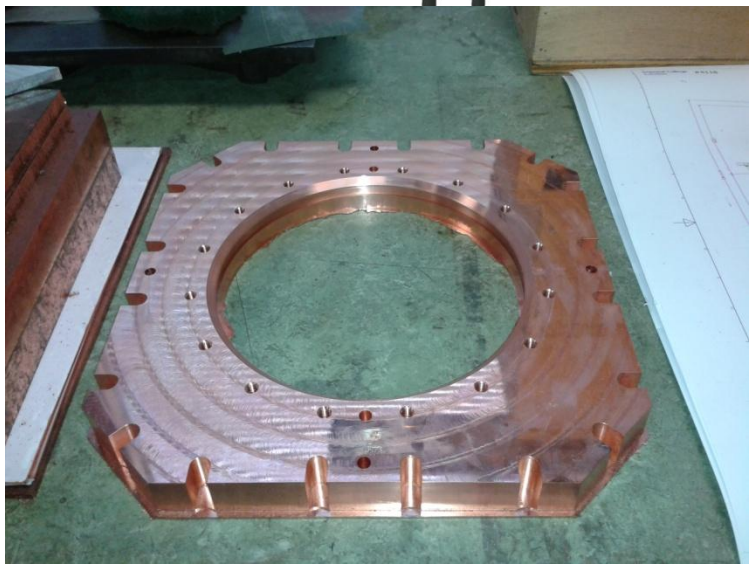


RFQ end flange

Status – machining underway

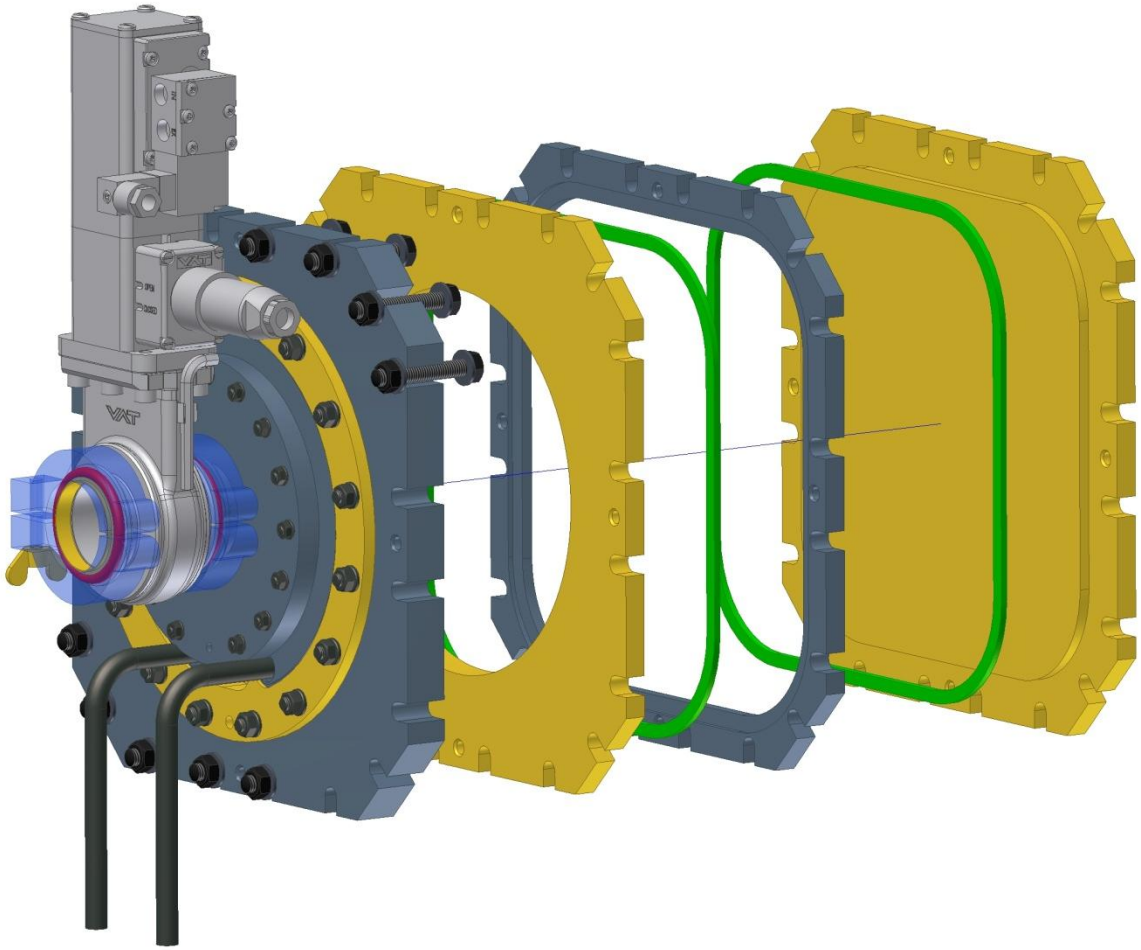


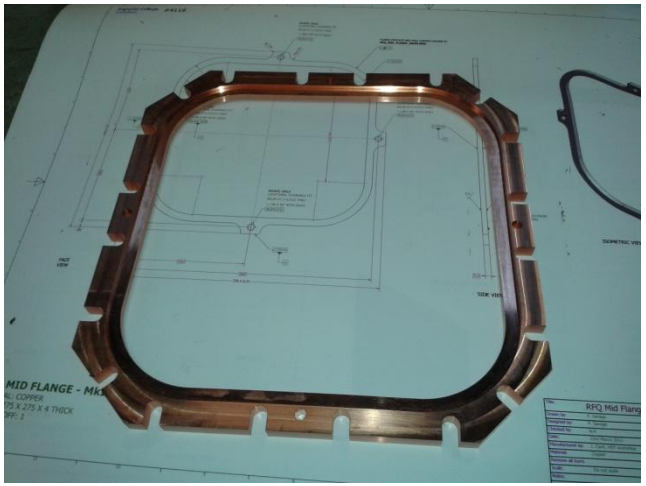




RFQ end flange vacuum test

Status – design done, material in stock.





QN: Vac valves ordered?

RFQ RF Test / Bead Pull Test

Status – design complete, awaiting material delivery

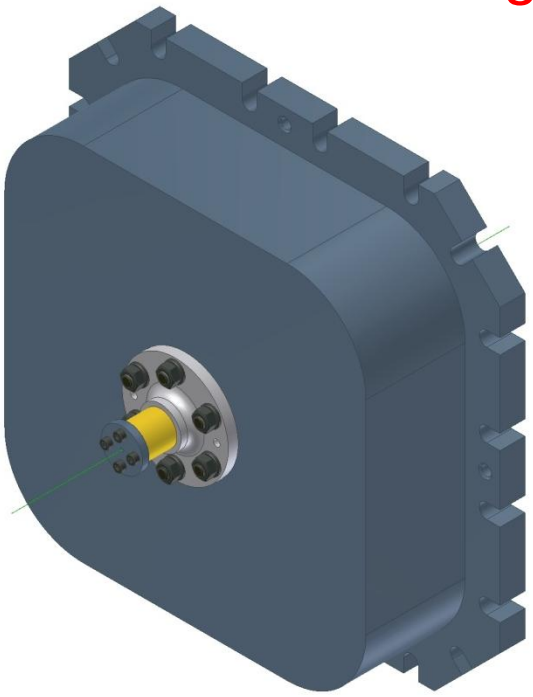


Figure 1

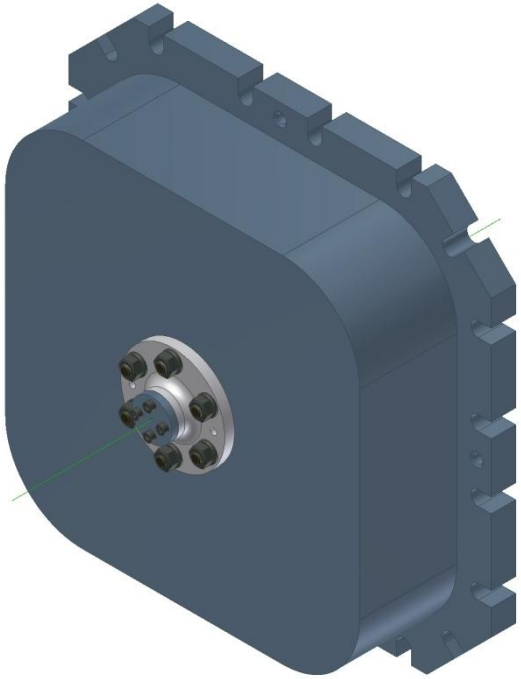


Figure 2

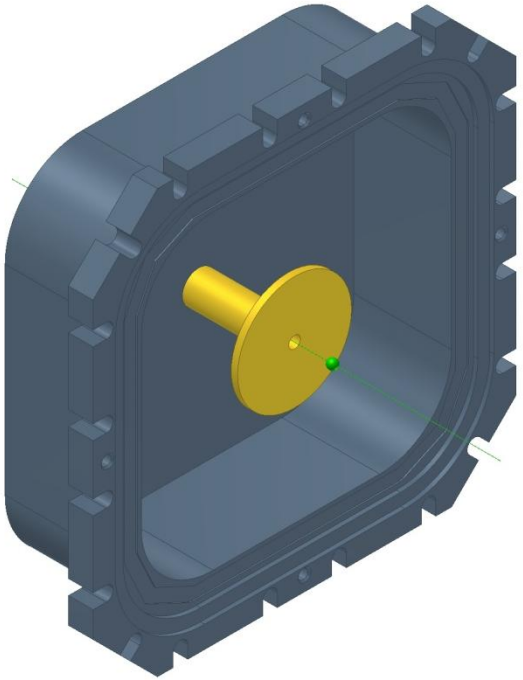
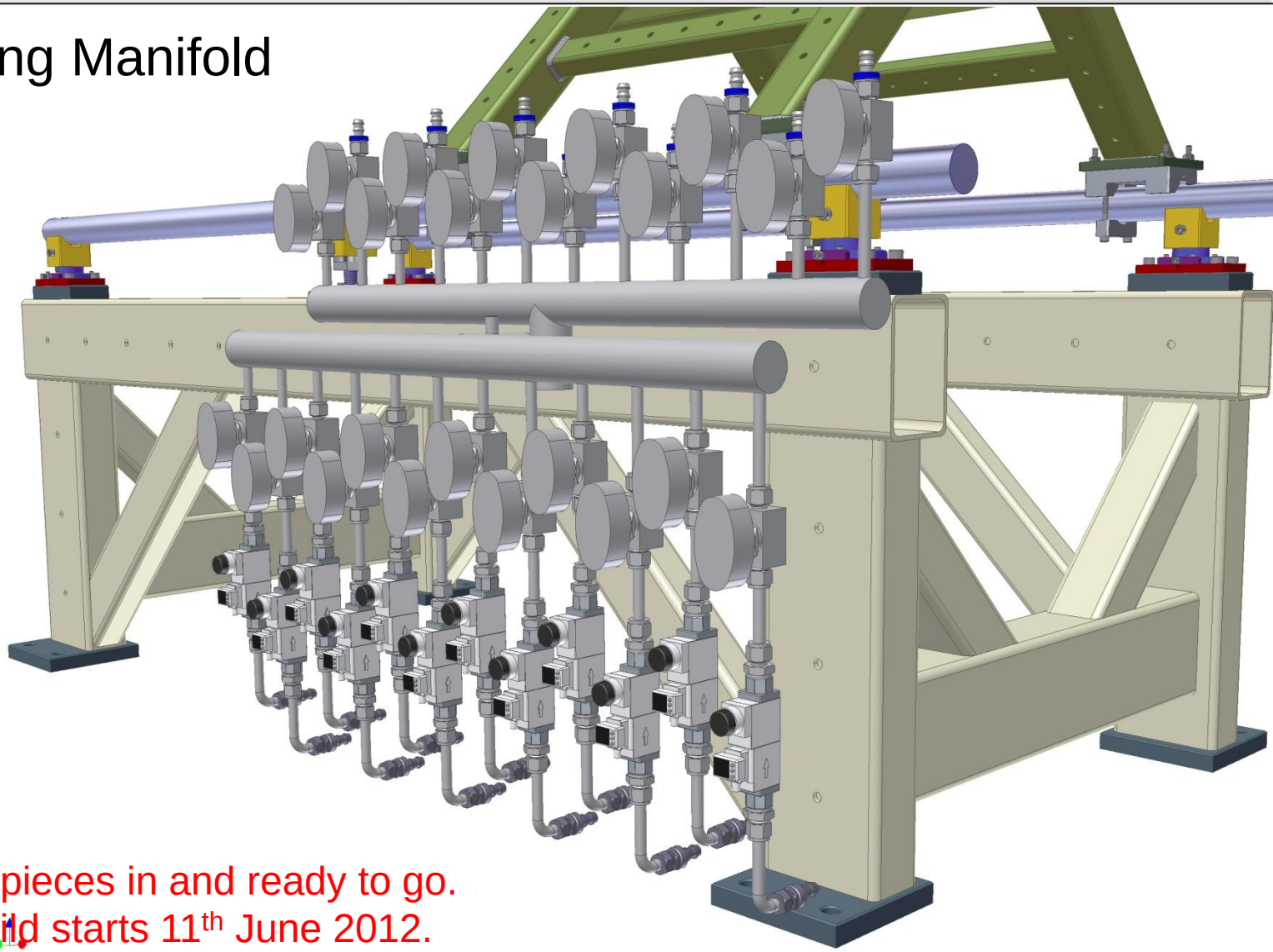


Figure 3

Figure 1 shows the end flange protrusion in a retracted position.
Figure 2 shows the protrusion in the default ‘as simulated’ position.
Figure 3 shows the interior with the protrusion and the bead

RFQ Cooling Manifold



Status

1. All bits and pieces in and ready to go.
2. Manifold build starts 11th June 2012.
3. Main pipe run cannot start until building work is complete.

RFQ alignment jigs

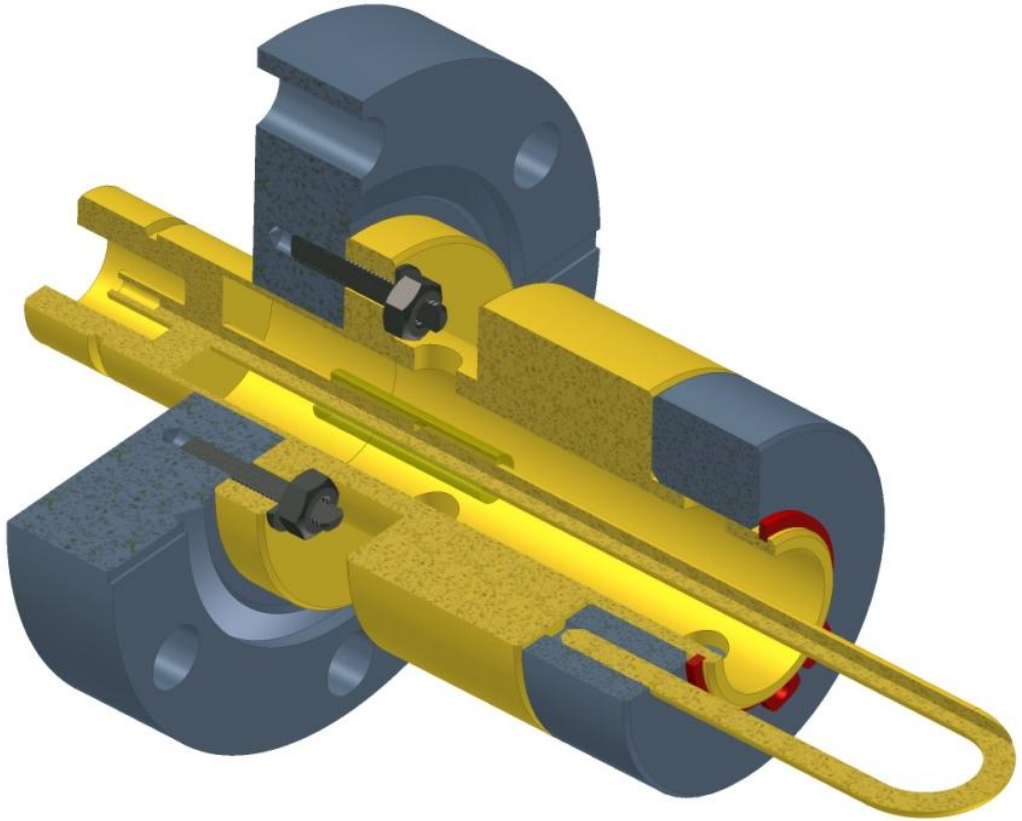
Status – manufacture close to completion

RFQ diagnostics

Status – parts on order to increase span

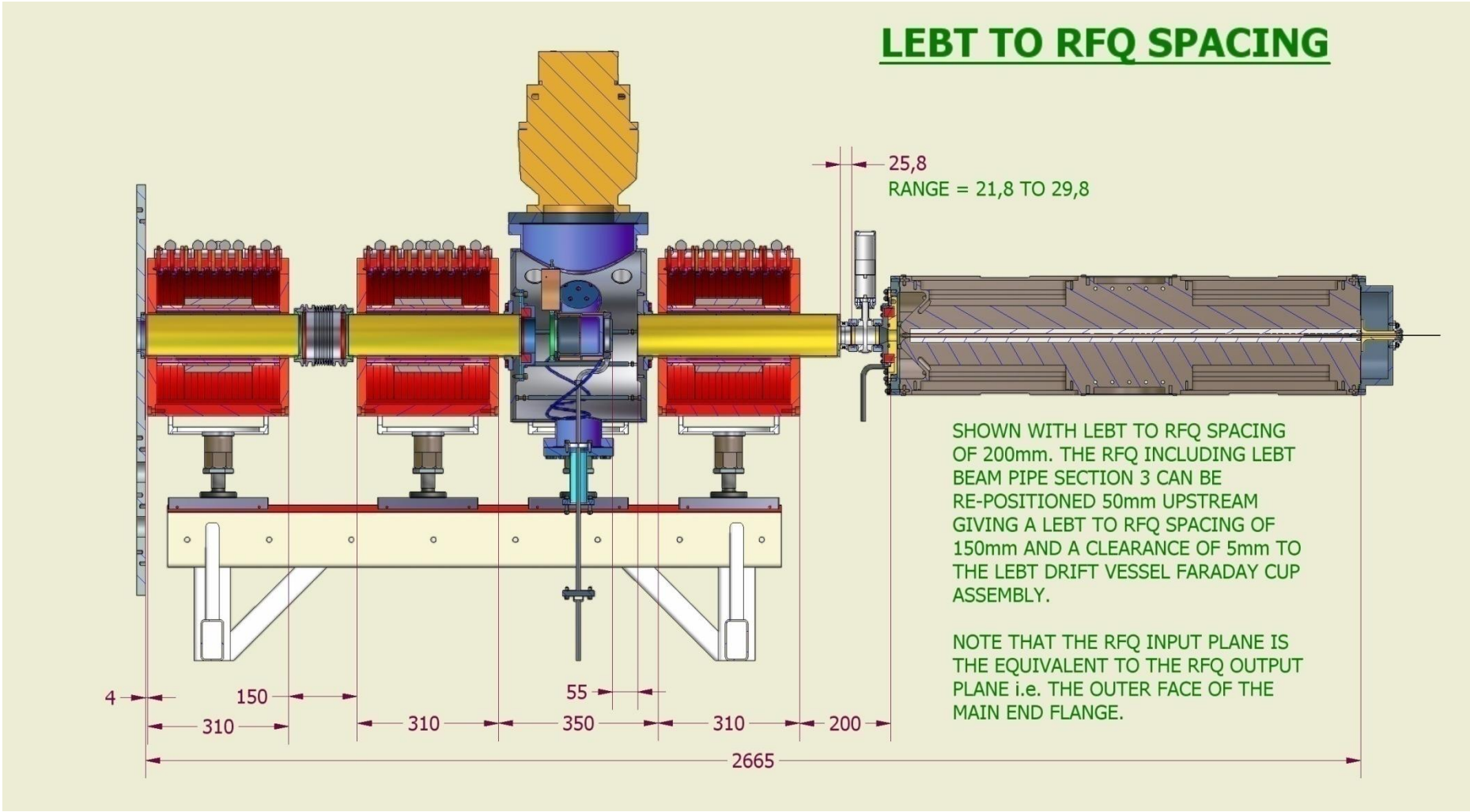
RFQ coupling loop.

Status – no progress made



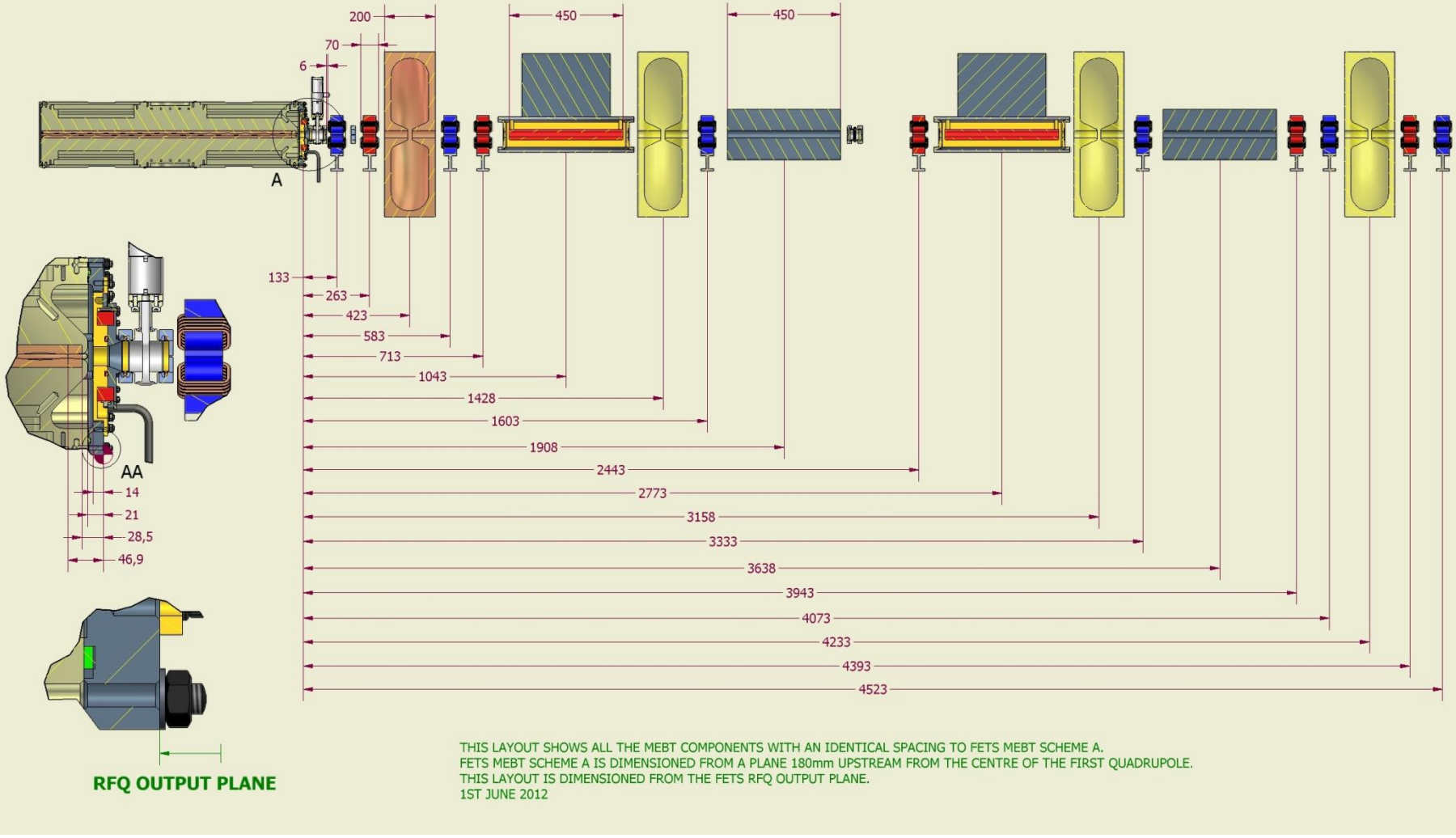
LEBT beam pipe section 3

Status - decision needed before manufacture.



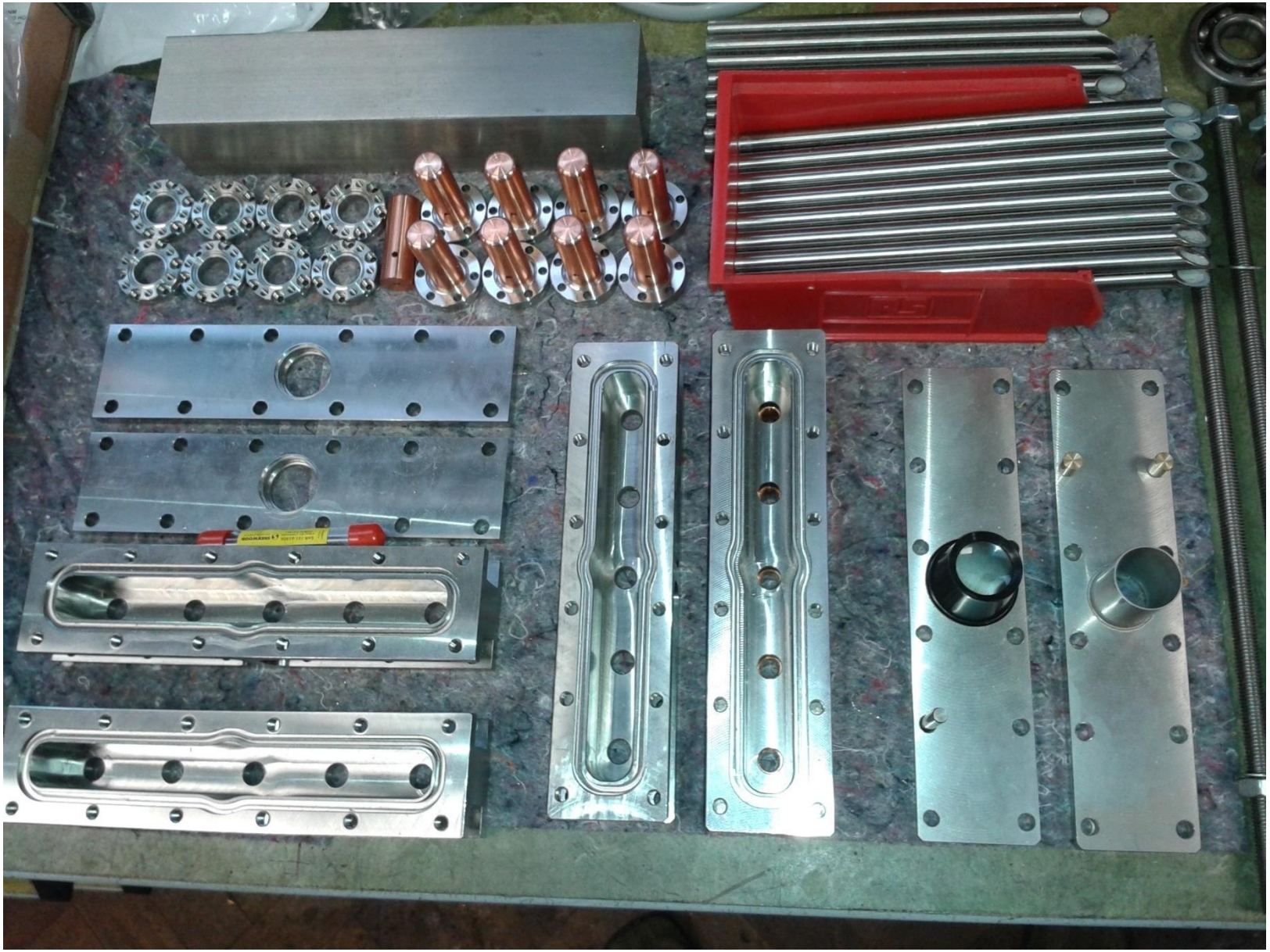
MEBT

Status – lattice simulation problems now understood



Other items on the list.....

1. RFQ vane handling plan & fixture – <<< top priority >>>
2. RFQ assembly – plan in-place
3. Stiffening of FETS rails – must be done prior to RFQ installation
4. Modification to cradle pads – must be done prior to RFQ installation
5. Shielding – initial investigations made.
6. Waveguide – need to identify who will manage installation project
7. Ownership of MEBT components – to be decided over Summer 2012.
8. O ring bonding jig – to be made at Imperial
9. Clean tent – update required from Alberto.
10. Vacuum tests for completed items – use of vacuum system.
11. Electrical installation – who will manage?
12. Waveguide installation project – who?
13. RFQ conditioning – Juergen / Alan
14. RFQ cooling baffles – to be made at Imperial. Material in.
15. Coupler development – get status from Spanish colleagues.
16. Diagnostics – engineering support

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