Status

of

HVFT

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STATUS

- 2.4m PE1000 rod broke during the cool down before insertion
- 2 Possible reasons:

  → PE1000 ordered from US
  → Mechanical Design

- Solution:

➔ Design of the FT reduced in order to have 2000mm PE1000 insert (delivery is fast)

  → Cinel already got the HDPE

➔ Preliminary Test with the NEW PE1000 in order to verify that the problem was in the material

  → Material already there and test will be done beginning of next week

- New Design of the HVFT already integrated in the 3D in order to verify additional Problems
- Insulated part is now 400mm shorter → Laura M.B did COMSOL simulation

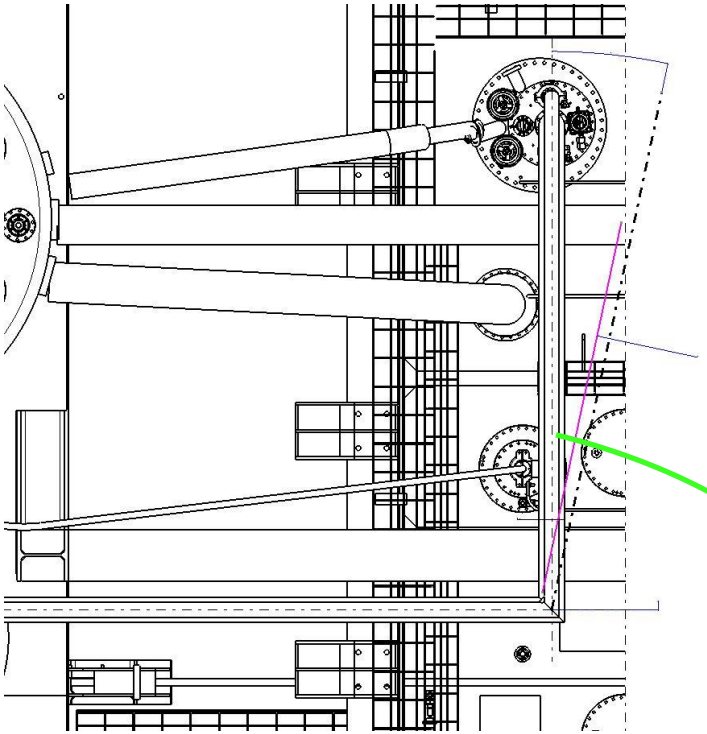
Next Steps:

- If the problem was due to the PE1000 from US:

  → New 2m Long PE1000 will be manufactured
  → HVFT Stainless steel Pipe shortened
  → New longer stainless steel connection to the cathode
  → We will get a new delivery date according to the modification (ASAP according to the test results)

- In the meantime considering a possible delay (unknown now):

  → check the Cryogenic to verify a possible Late insertion of the HVFT (already discussed with A. Diaz)
  → get the detailed step by step installation schedule of the cryogenic



Cryogenic pipe passing over the HVFT to the Cryopump is movable
→ Cryopump can be removed
→ Final design from DEMACO to verify (we assume that should be ok)

HVFT detail: