New RF BAF3 New cooling needs inputs for CV LIU-SPS 20140917

New SPS RF power plants

Siemens	New	
2 x 1100 kW peak		2 x
2 x 750 kW average		2 x

SElectrosys2 x 1100 kW peak2 x 250 kW peak2 x 750 kW average2 x 250 kW average

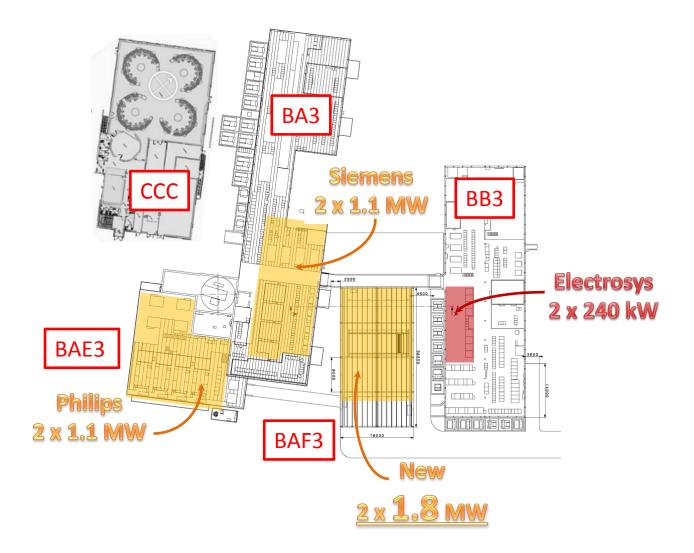
1800 kW peak

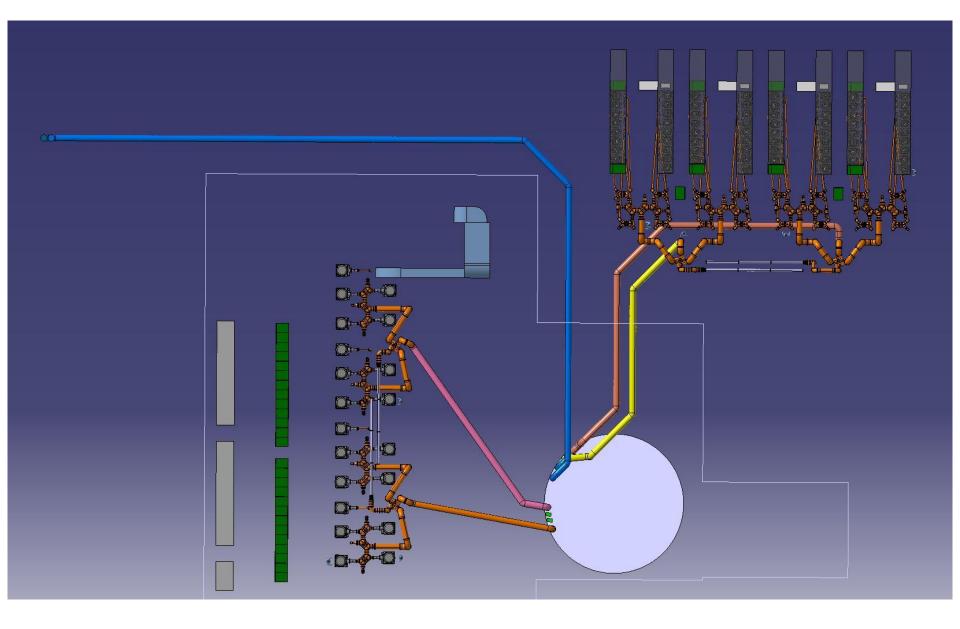
750 kW average

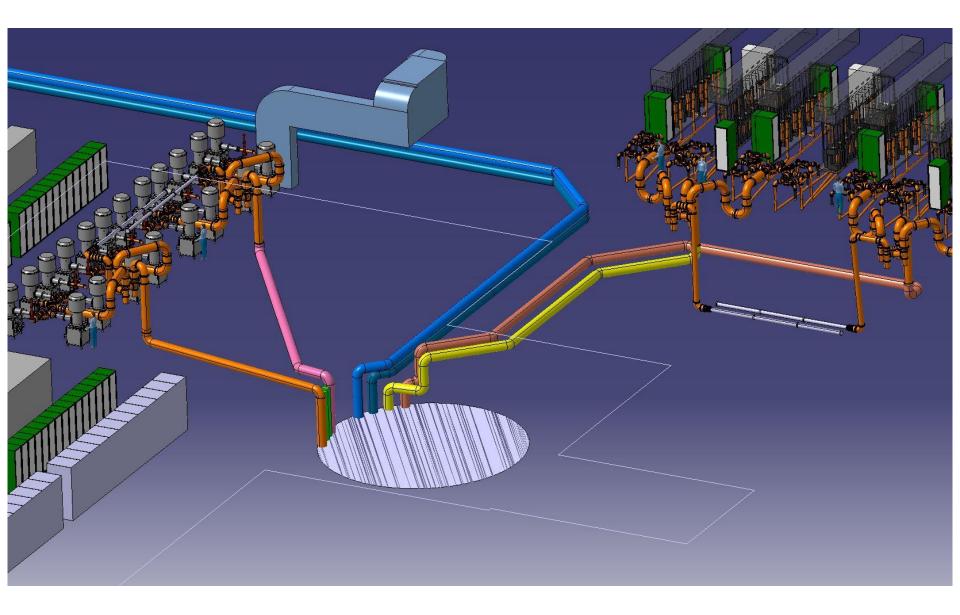
200 MHz - 800 MHz

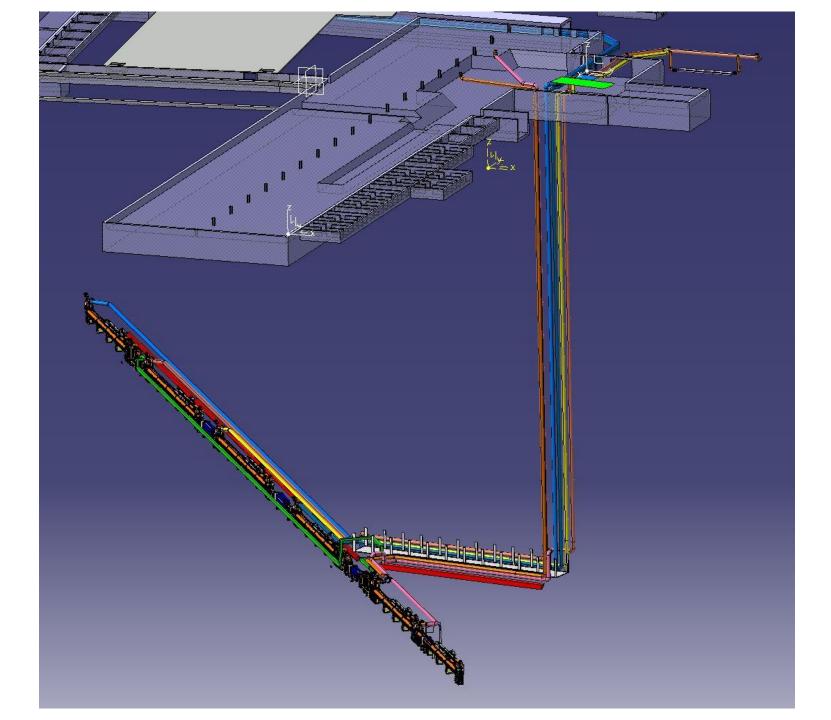
Philips

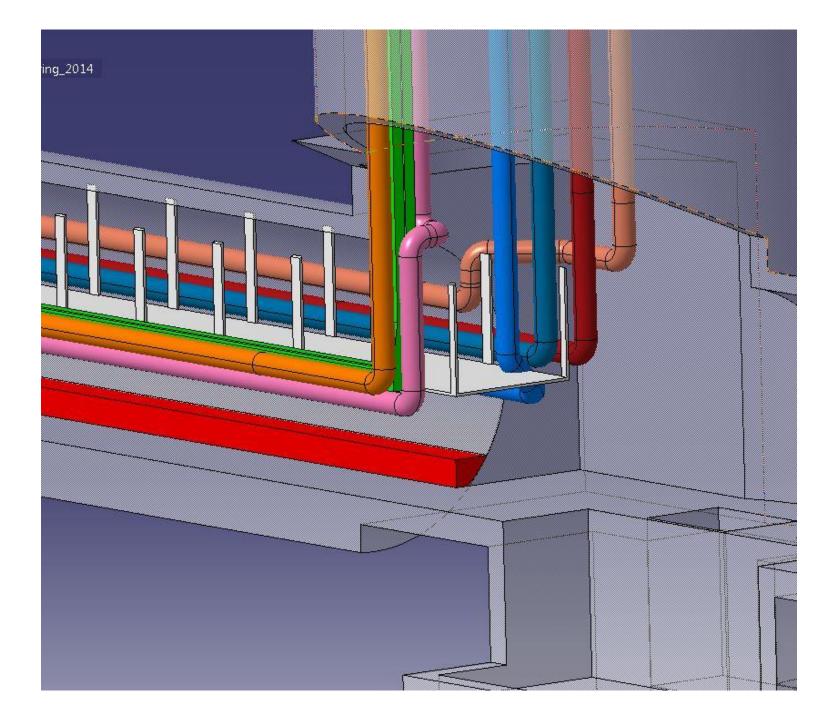
New SPS RF power plants

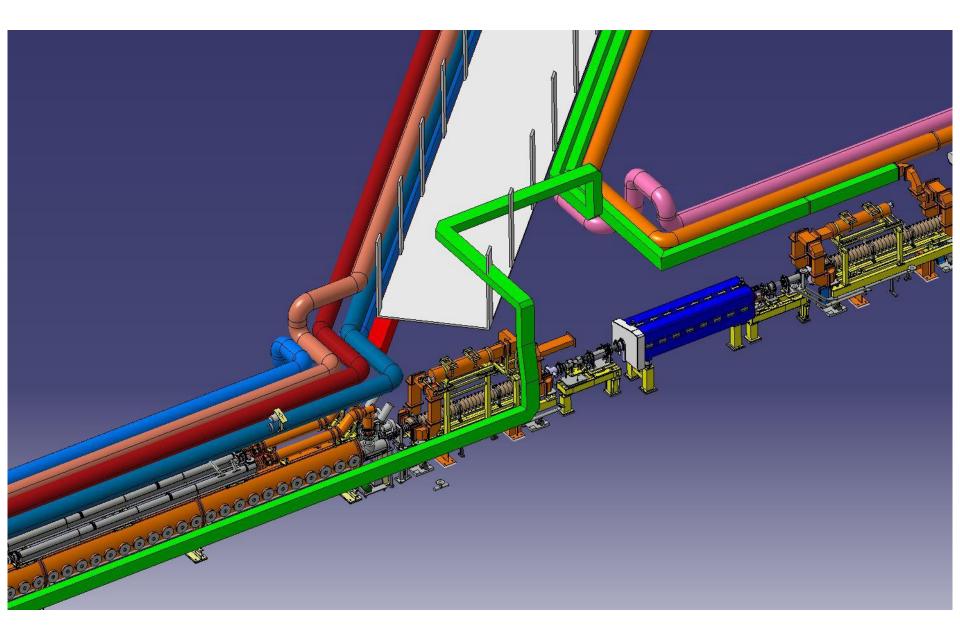


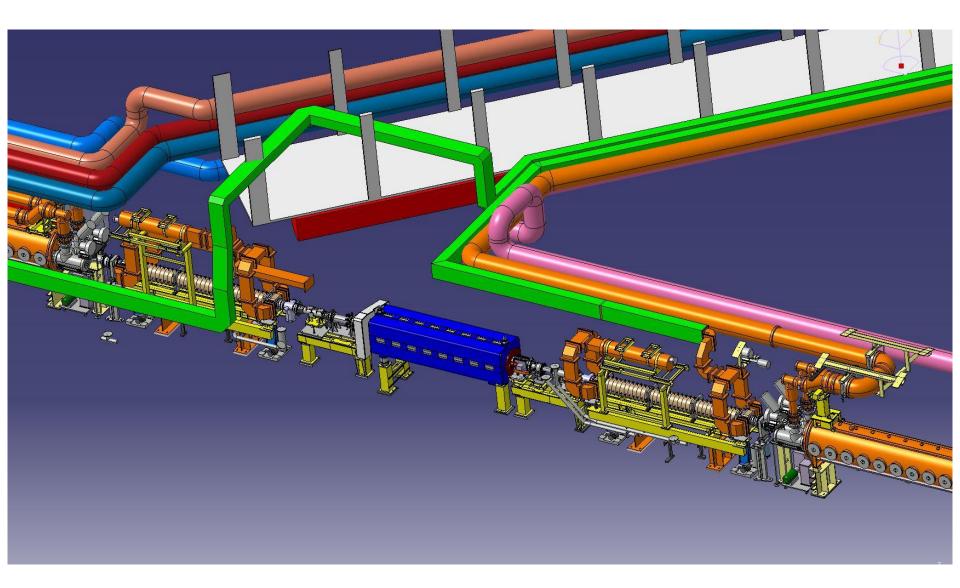


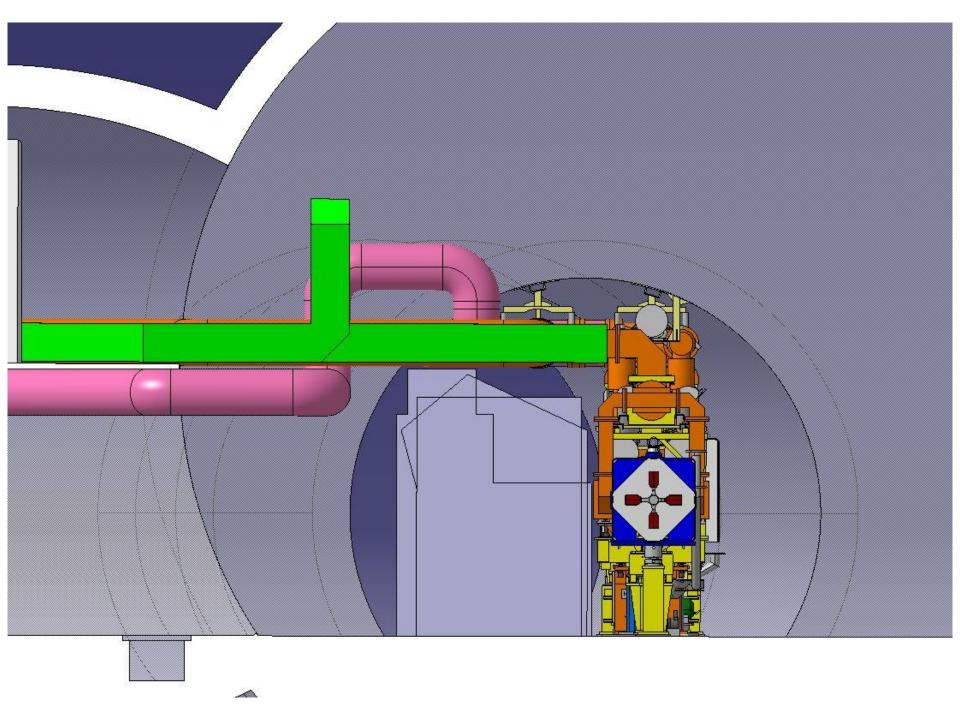


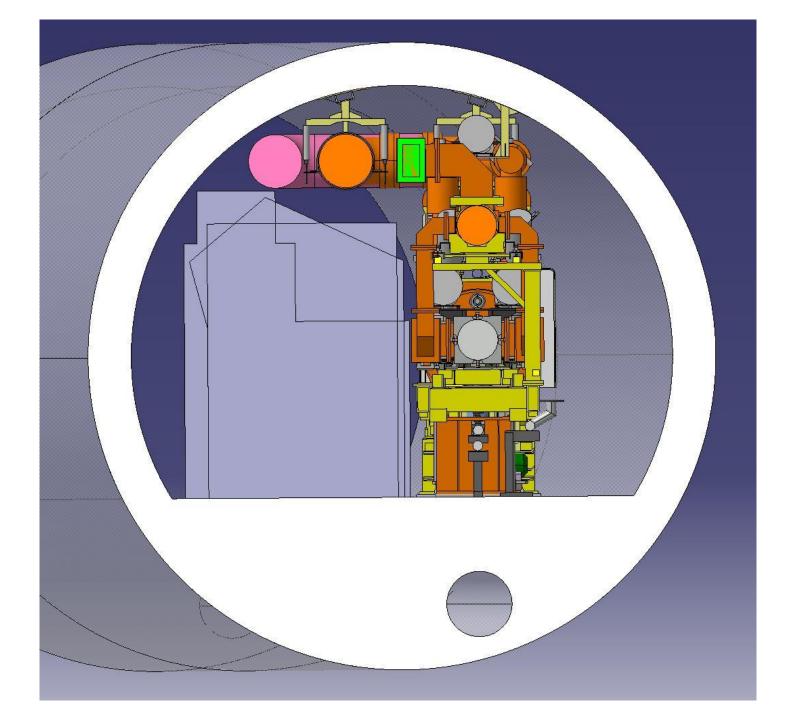


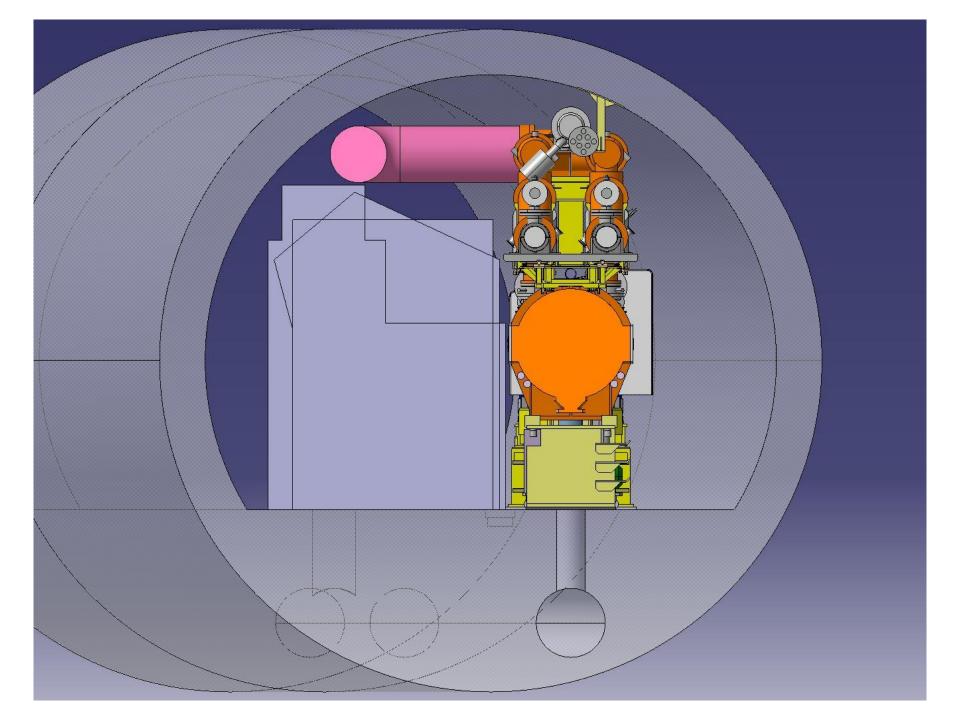


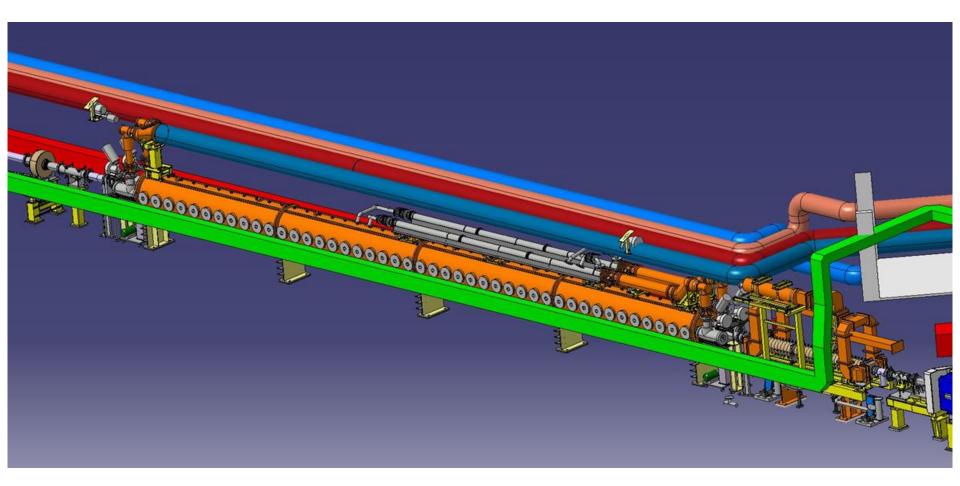


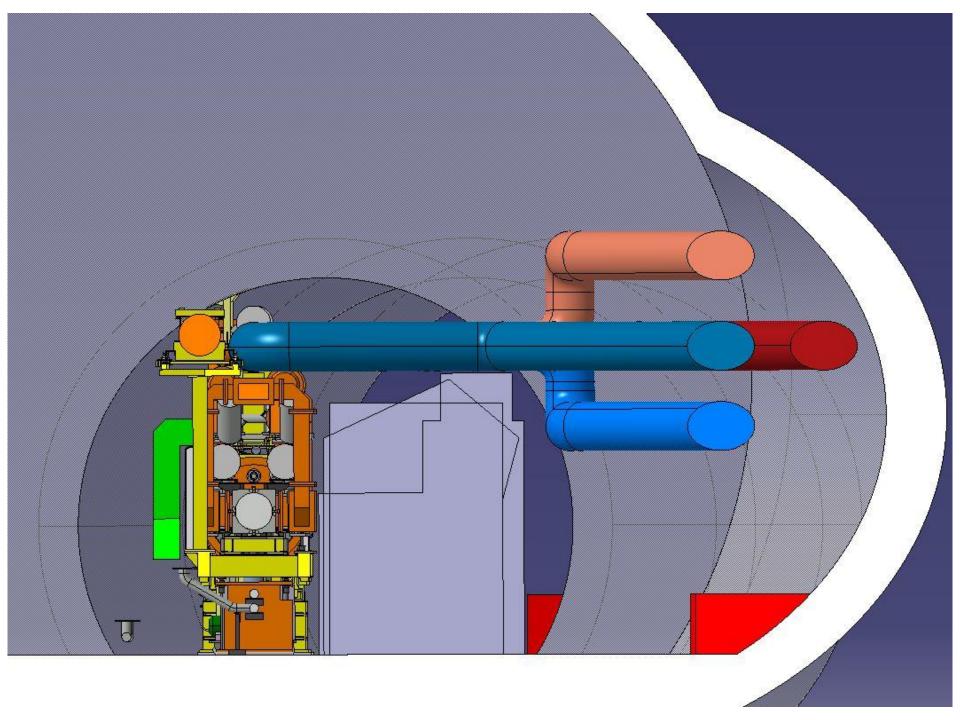


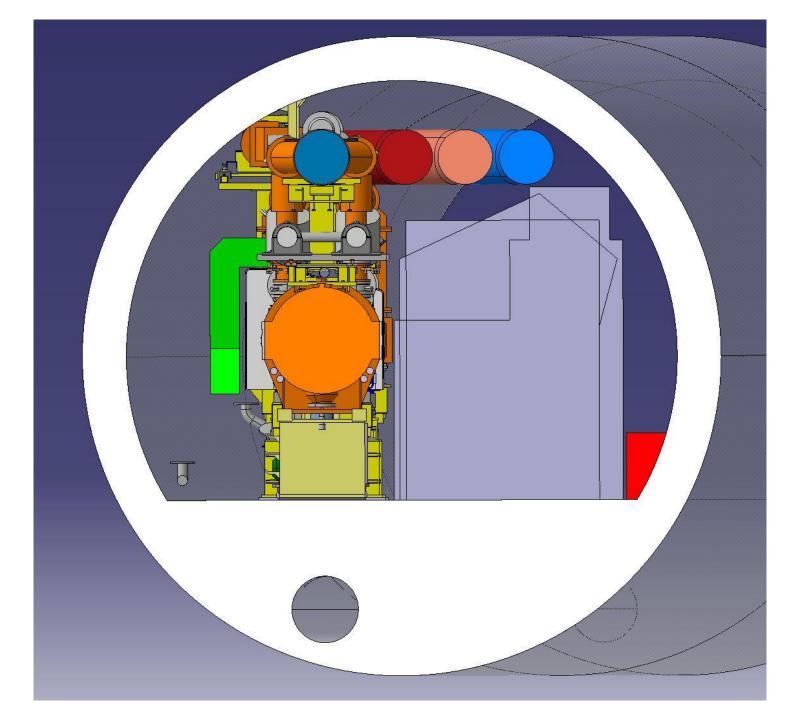


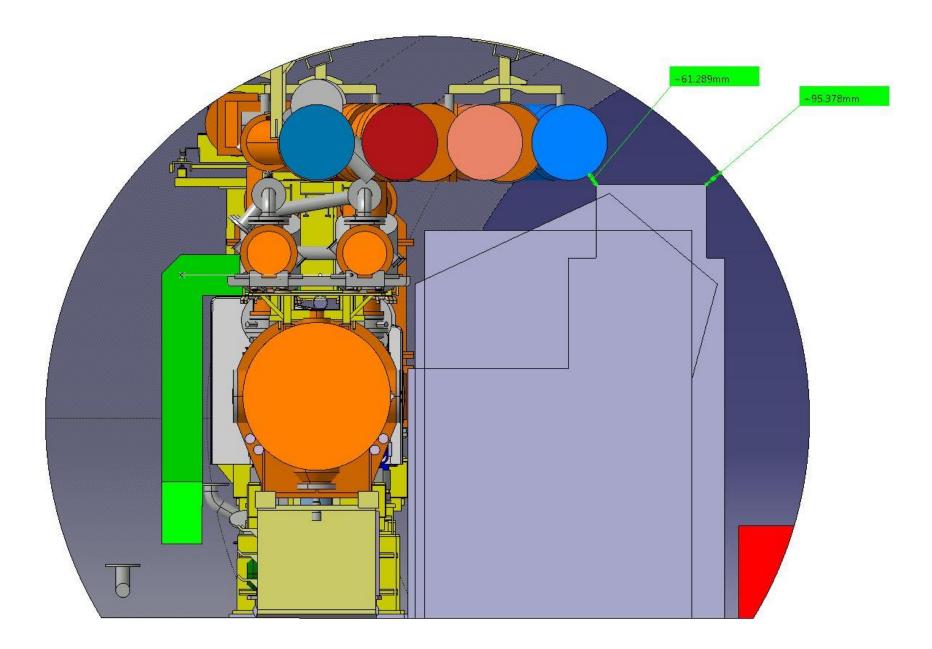


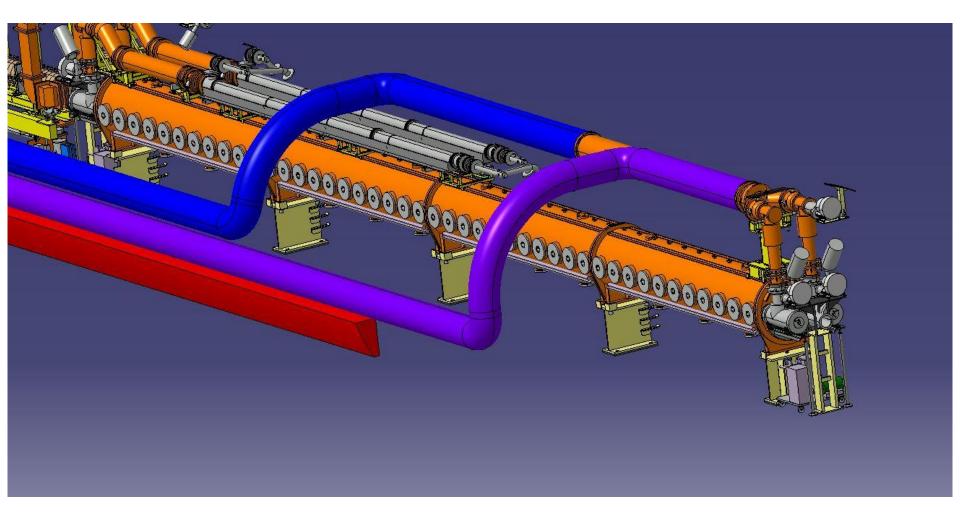


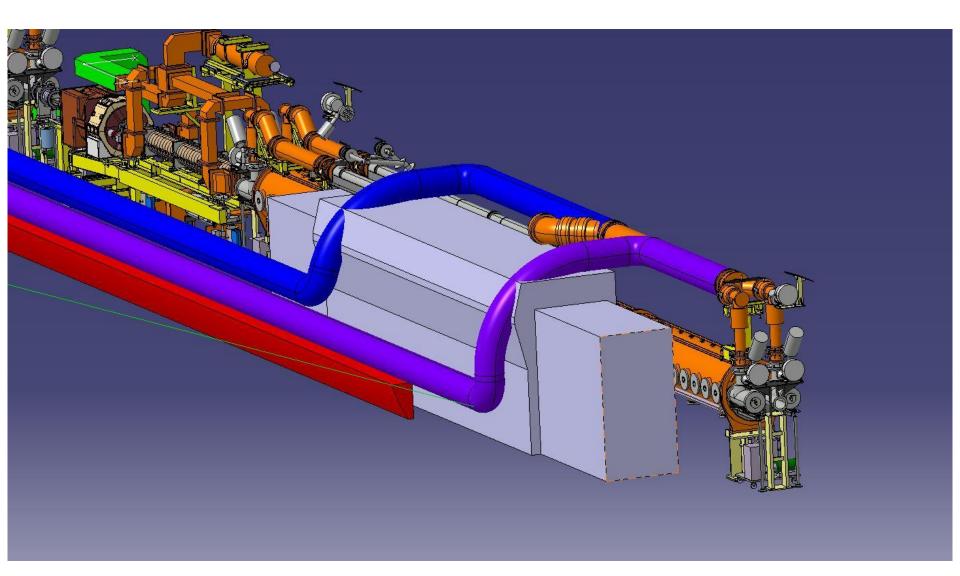


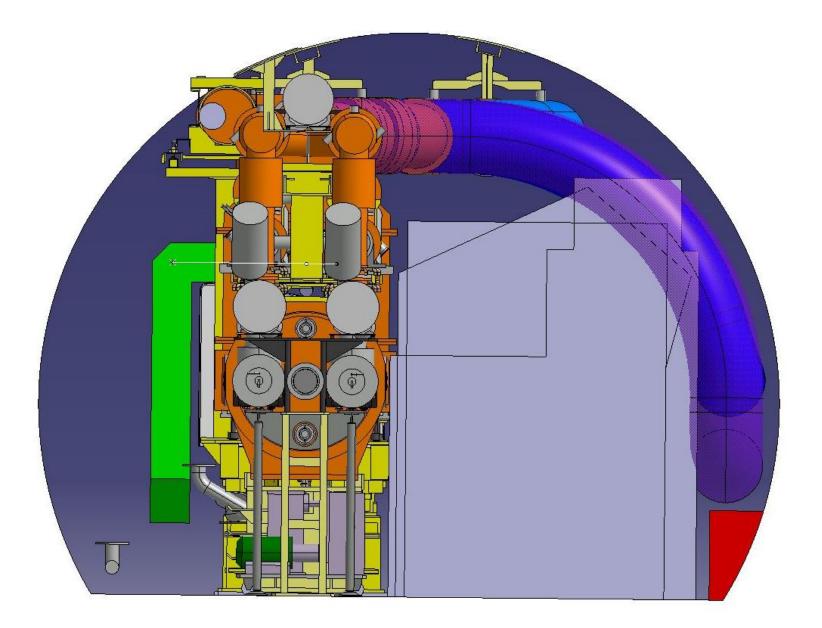


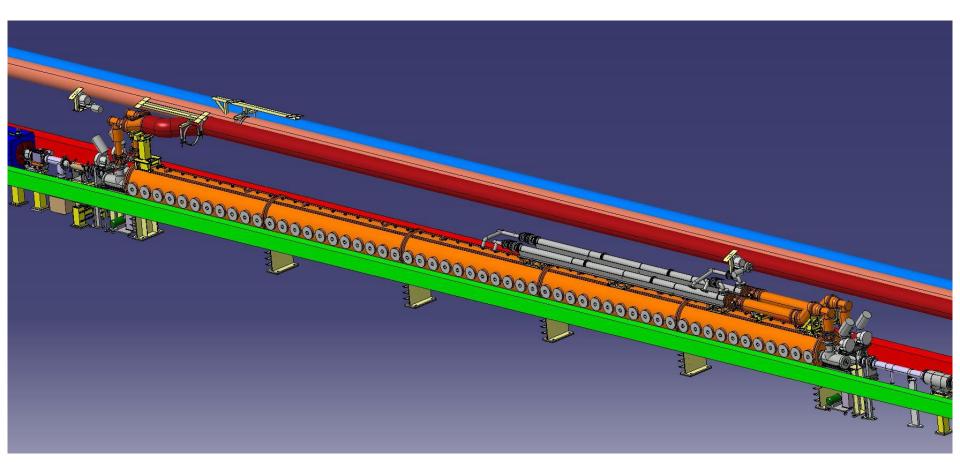


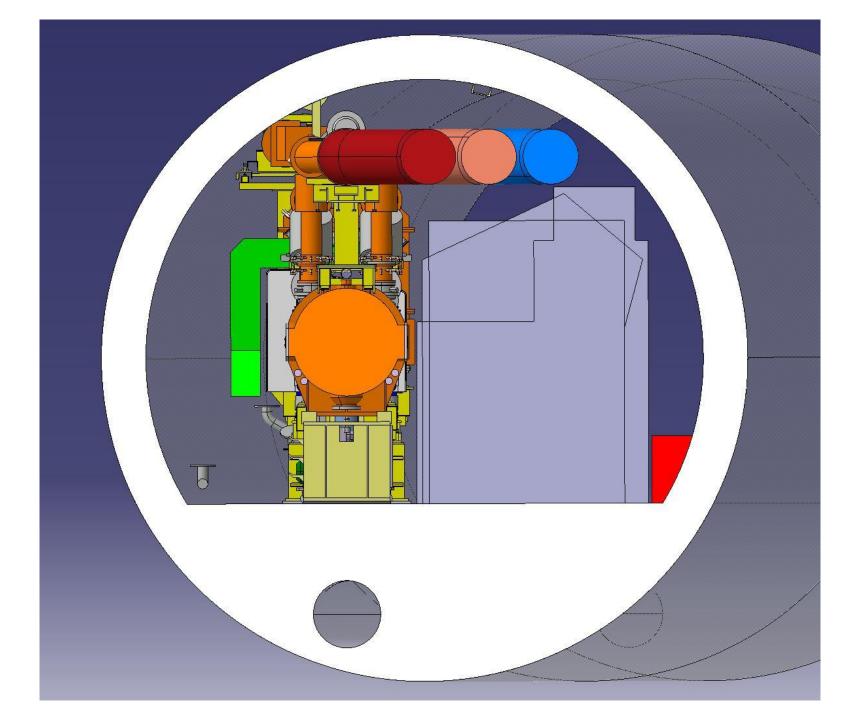


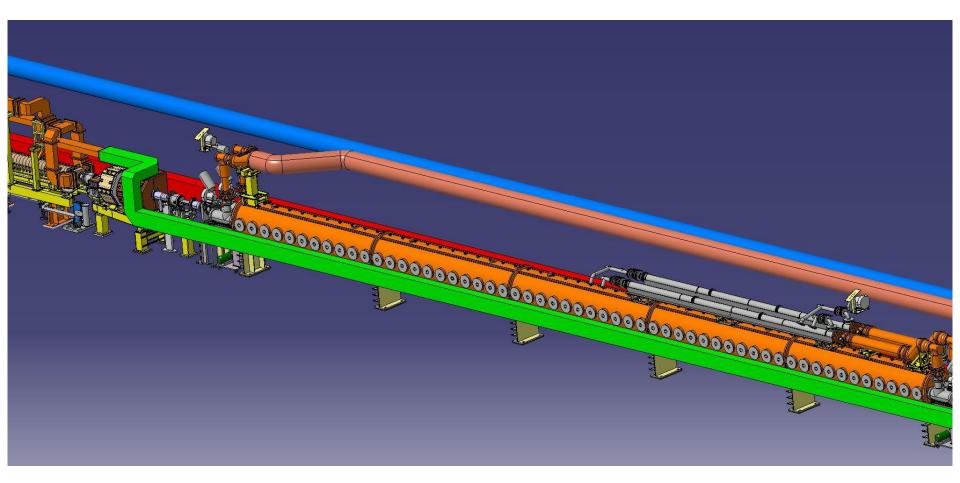


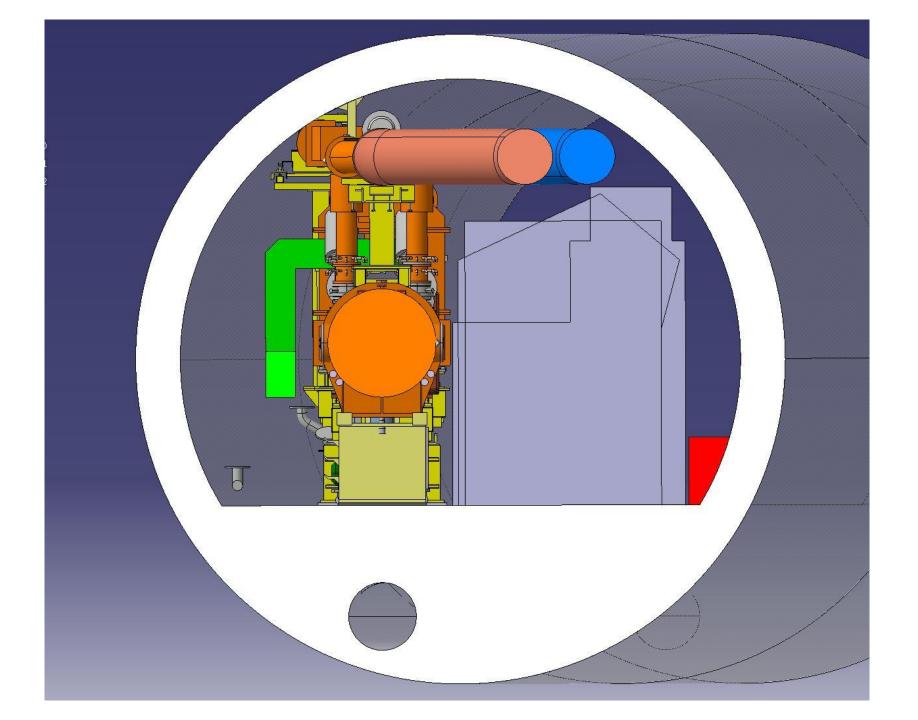


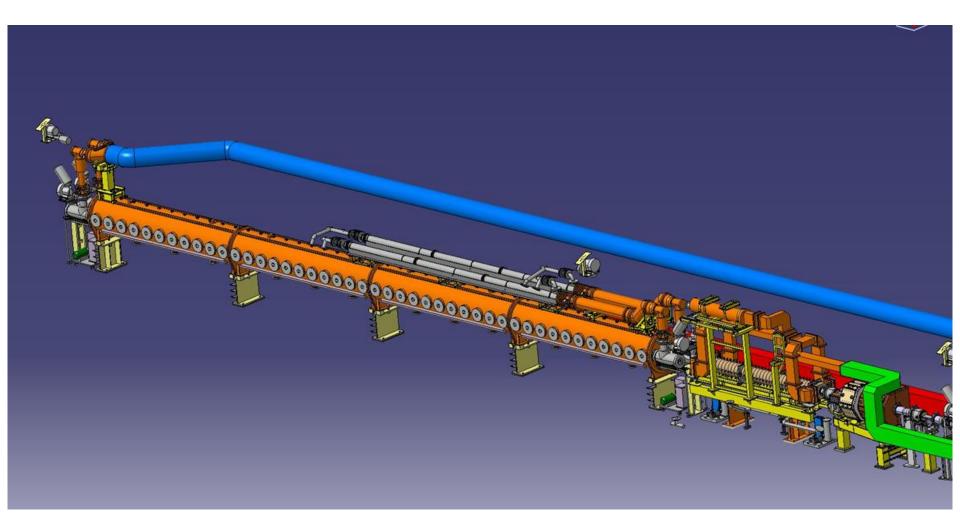


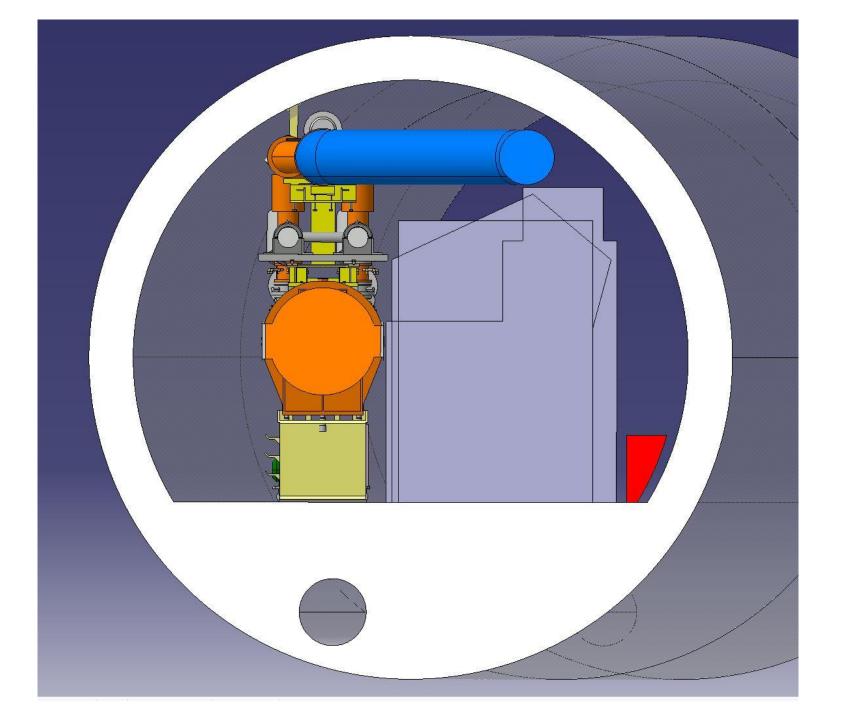










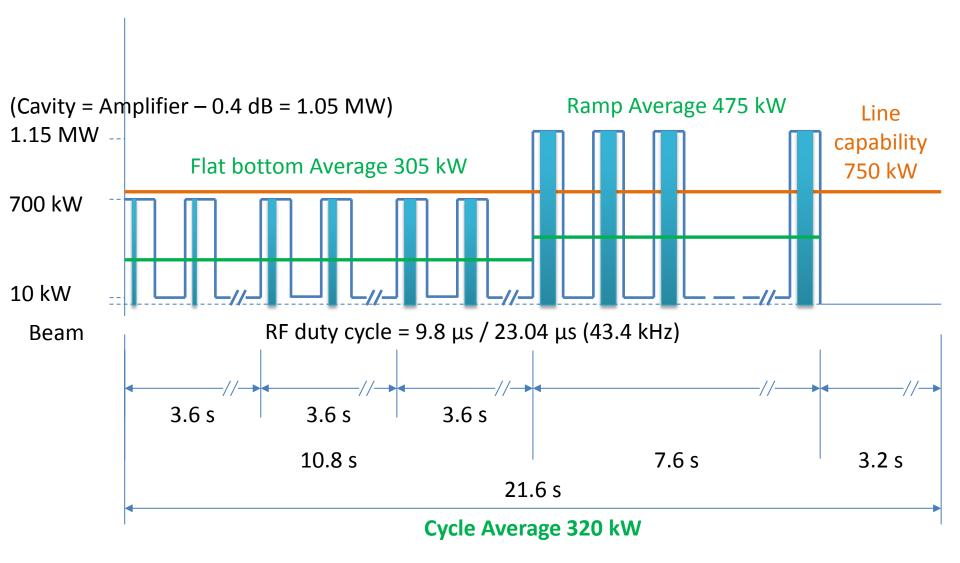


Only ONE 350 mm line per cavity

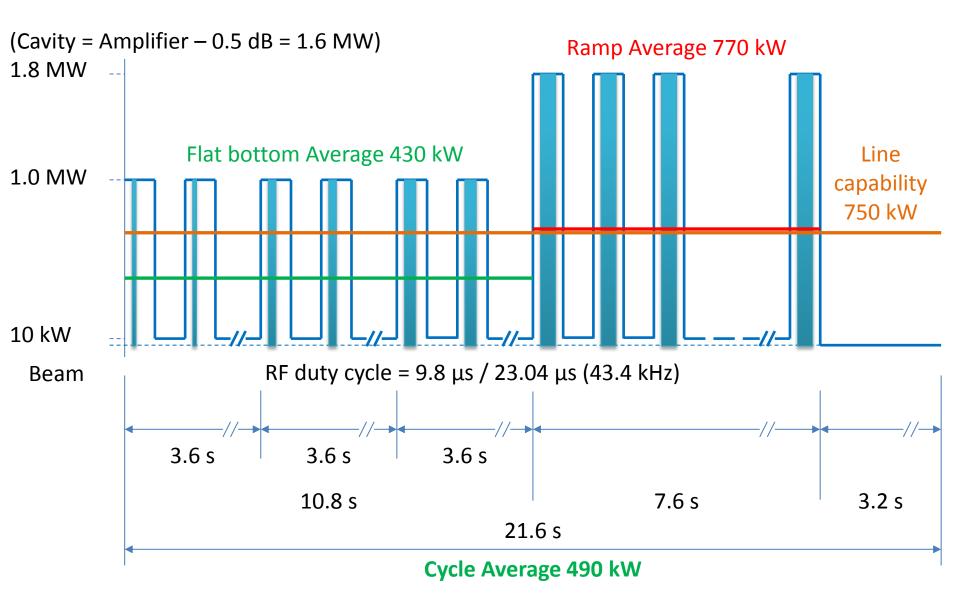
Maximum ratings 800 kW average

Operational ratings 750 kW average

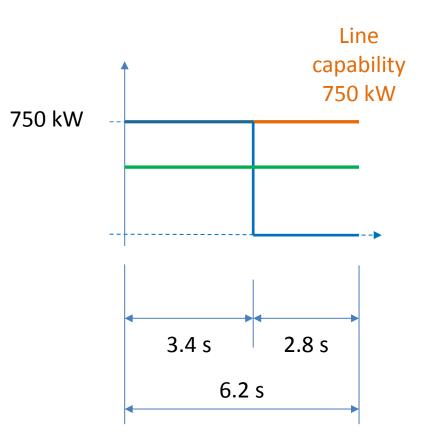
Peak and Average power for Present power systems during LHC cycle



Peak and Average power for New power system during LHC cycle

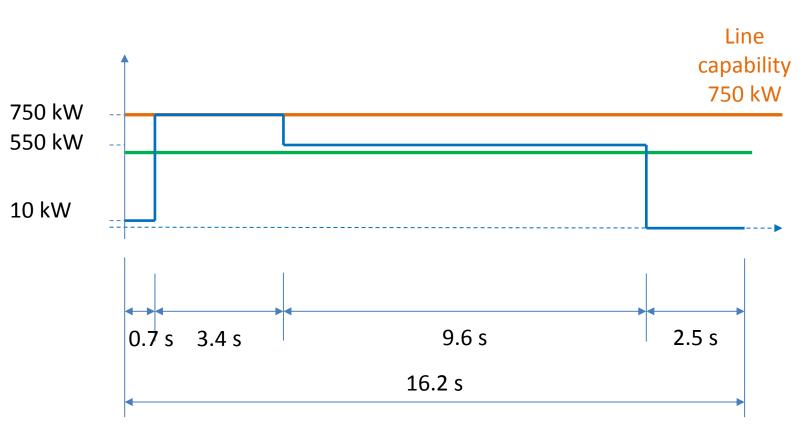


Peak and Average power for Present & New power systems during 'CNGS' cycles



Cycle Average 410 kW

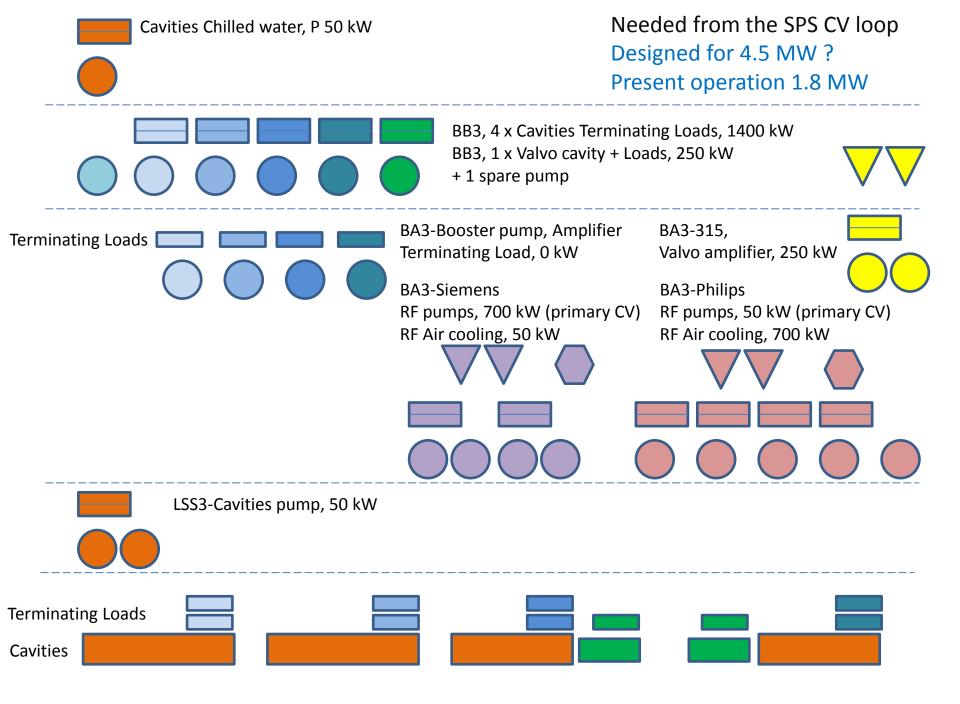
Peak and Average power for Present & New power systems during other cycles

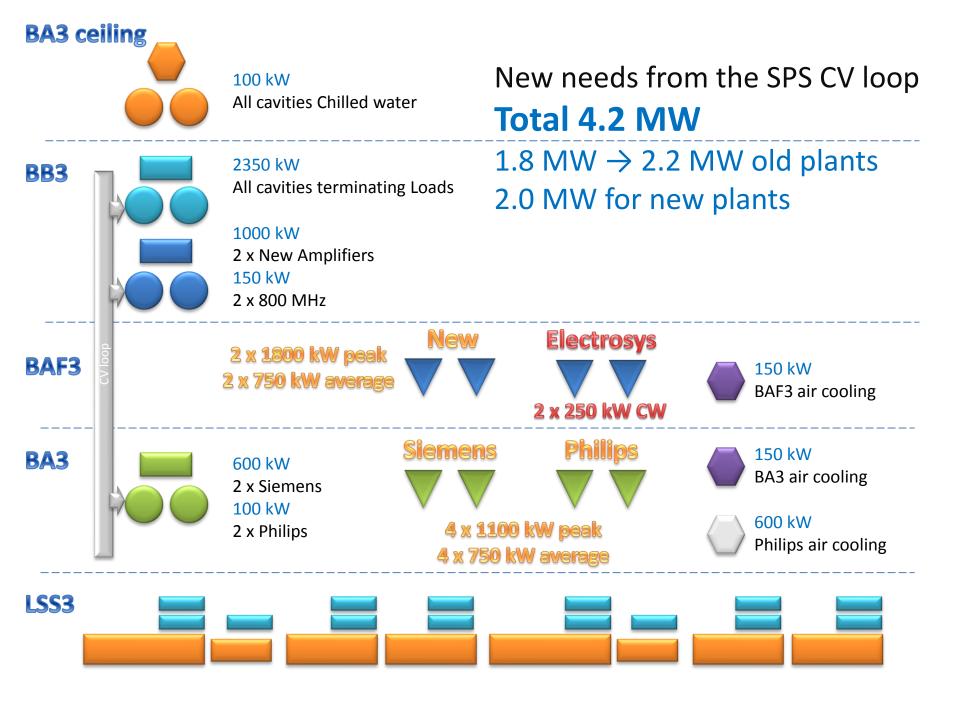


Cycle Average 485 kW

Needed from CV







Regarding LIU RF

Additional needs from SPS CV loop 2.4 MW