

Utenze lucasz vs tavolo granito

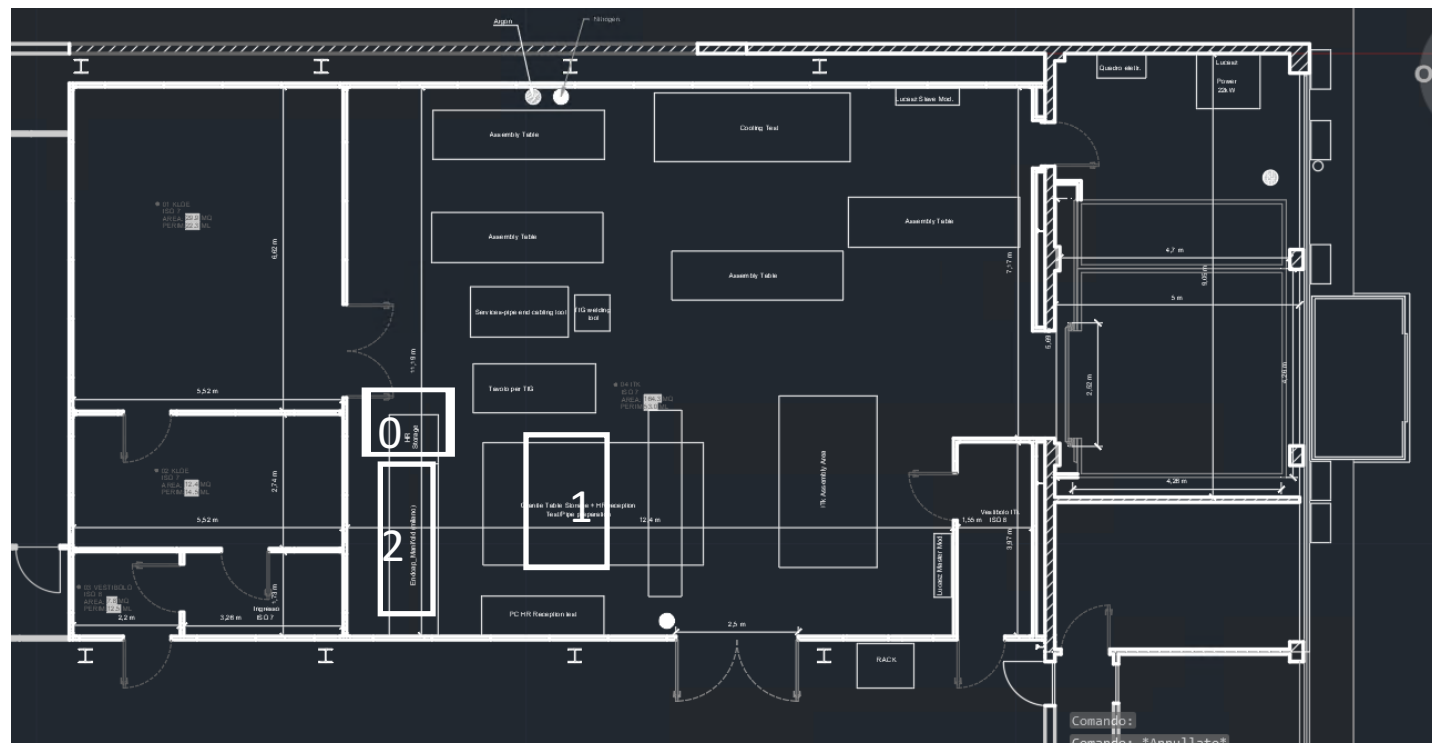
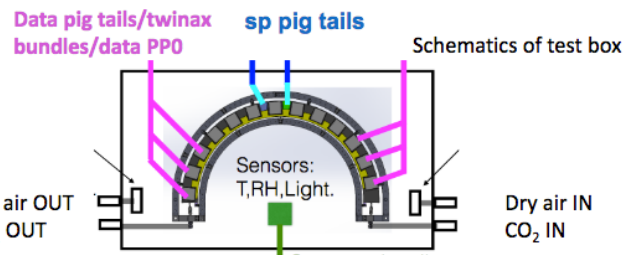
- Tavolo di Granito lasciato al suo posto
 - Funzione:
 - Opzione 1 : Uso tavolo come half-ring reception test / stoccaggio
 - Pro:
 - distanza > 10 m dal LUCASZ plant meno rischiosa (*)
 - Assembly area “a terra”, concetto esportabile anche a Liverpool
 - Opzione 2: Uso tavolo come Assembly area
 - Contro :
 - distanza > 10 m dal LUCASZ plant piu' rischiosa (*)
 - Liverpool deve fare un proprio progetto, contro accordi presi
 - Pro:
 - Uso spazio piu' razionale
 - Precisione del tavolo di granito sfruttabile
 - Opzione 3: Uso tavolo solo come stoccaggio – nessun test
 - Pro:
 - Distanza dal LUCASZ < 10 m

(*) potenza di raffreddamento minore per singoli HR rispetto a half-shell completa (~10 HR)

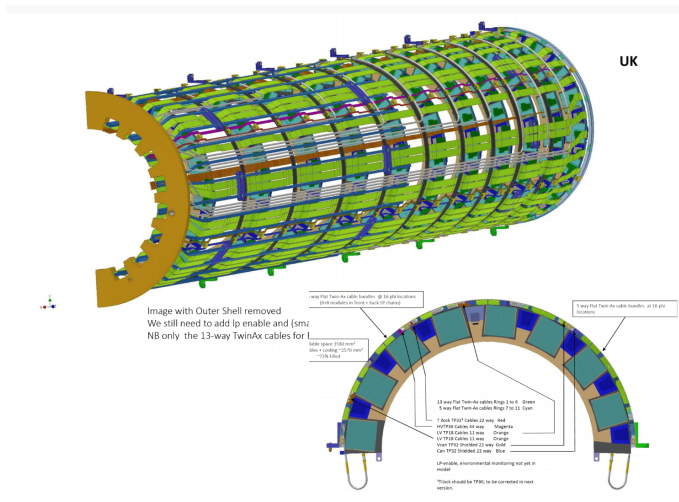
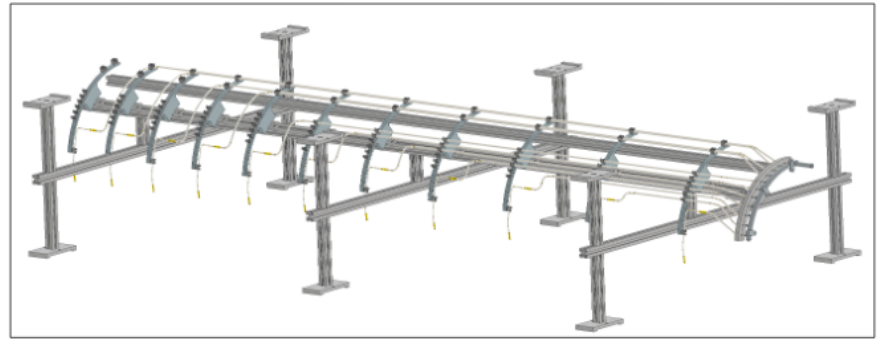
Half ring and services reception: option 1

0) Half-rings storage

1) Half-ring reception test powering and cooling with CO2



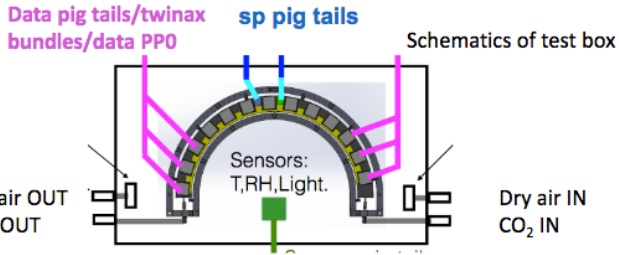
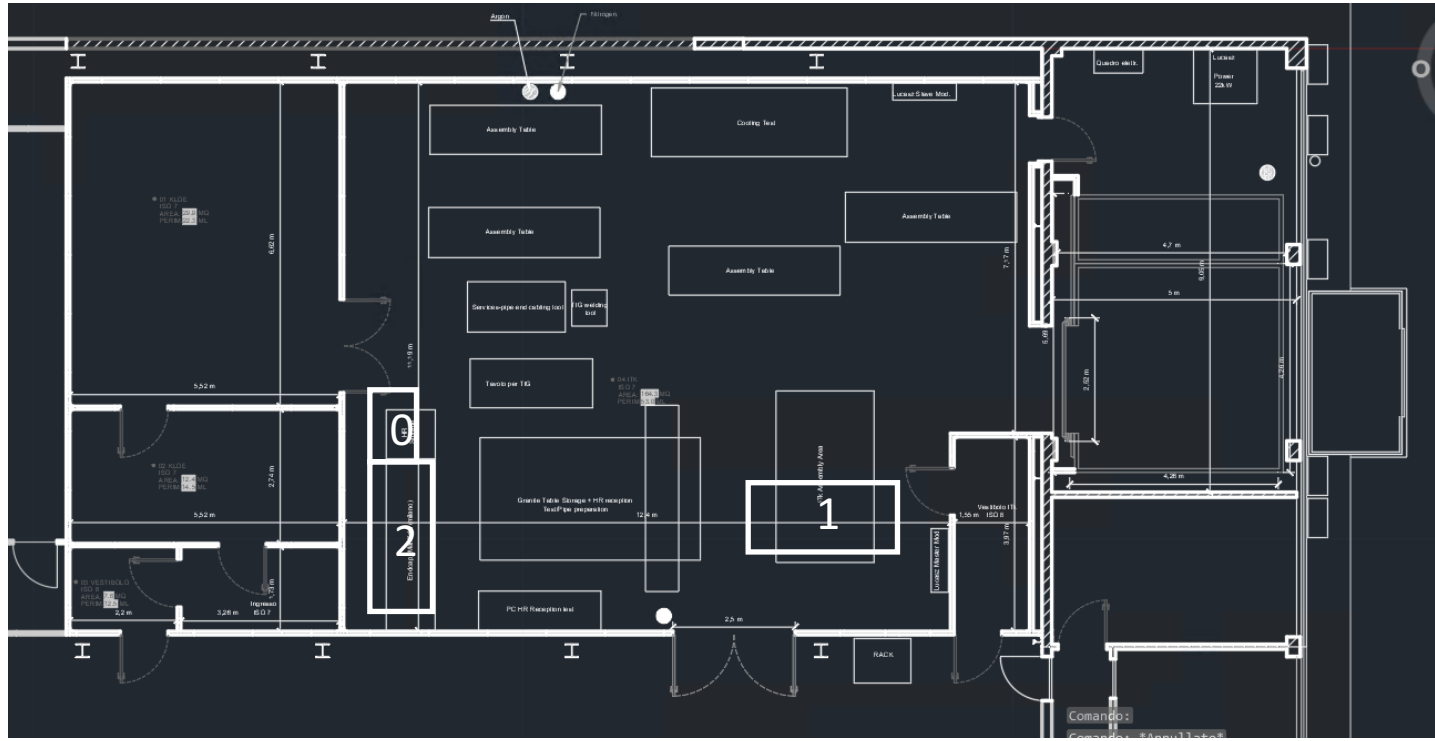
2) tools to install cooling pipe and data harnesses, power cable on half-shell



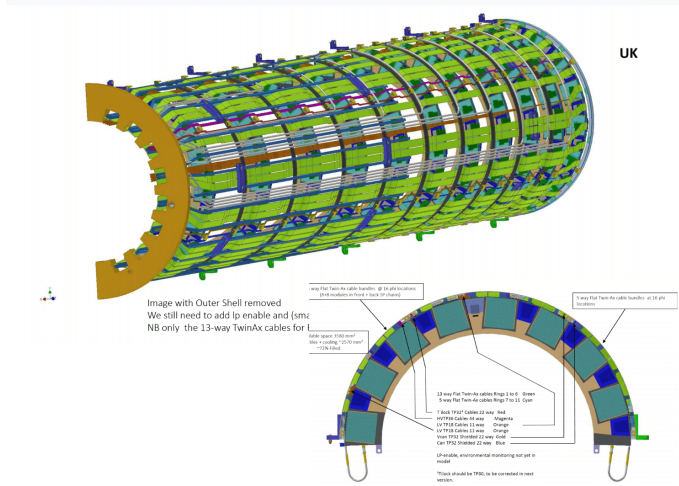
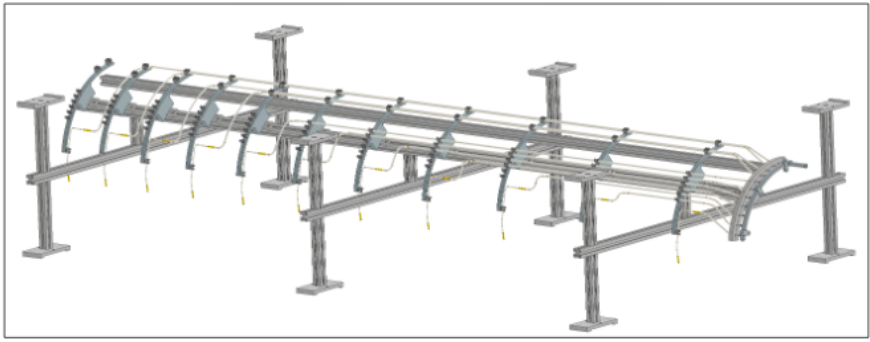
Half ring and services reception: option 2

0) Half-rings storage

1) Half-ring reception test powering and cooling with CO2



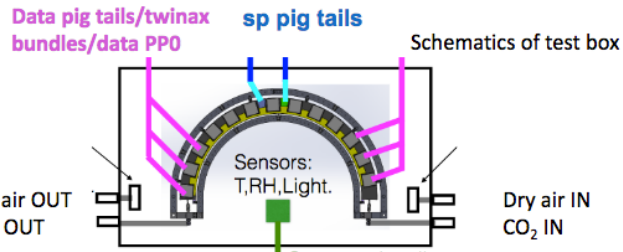
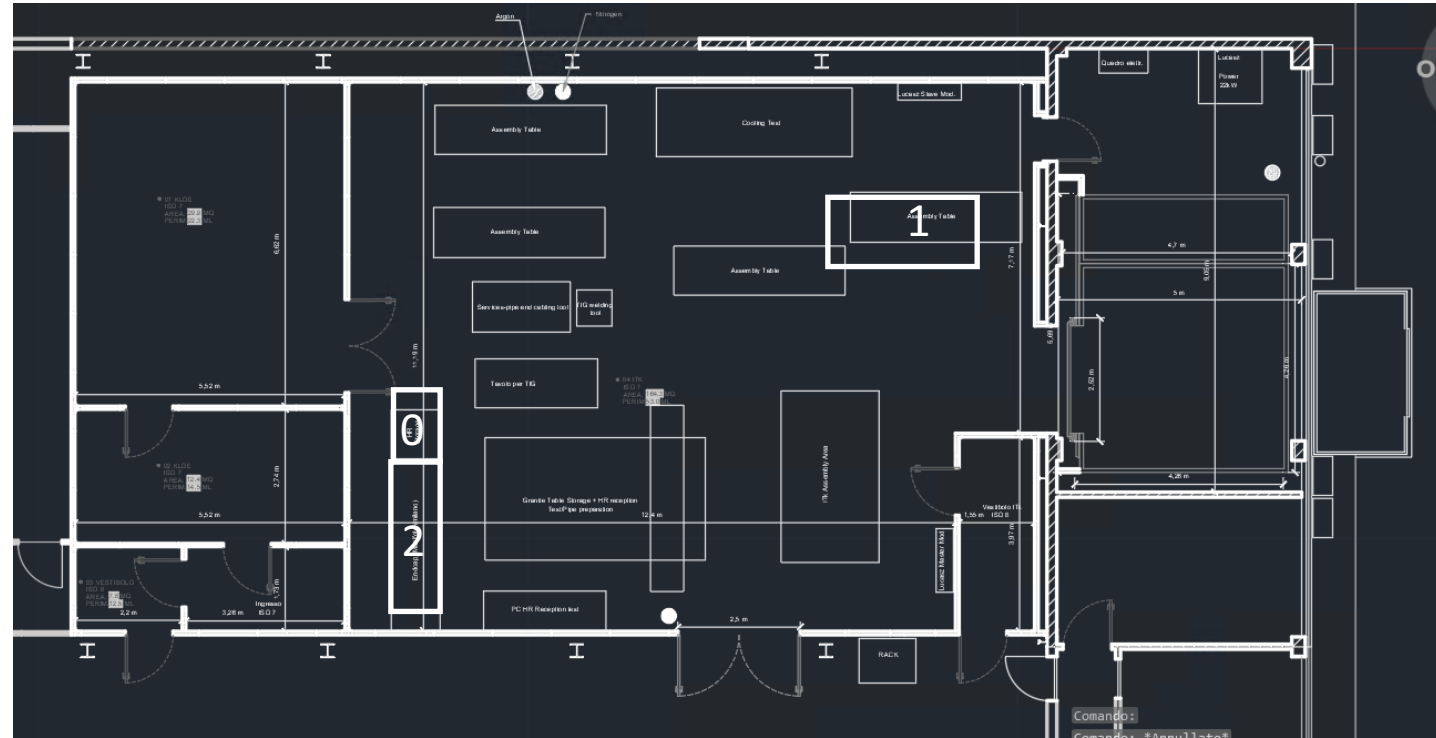
2) tools to install cooling pipe and data harnesses, power cable on half-shell



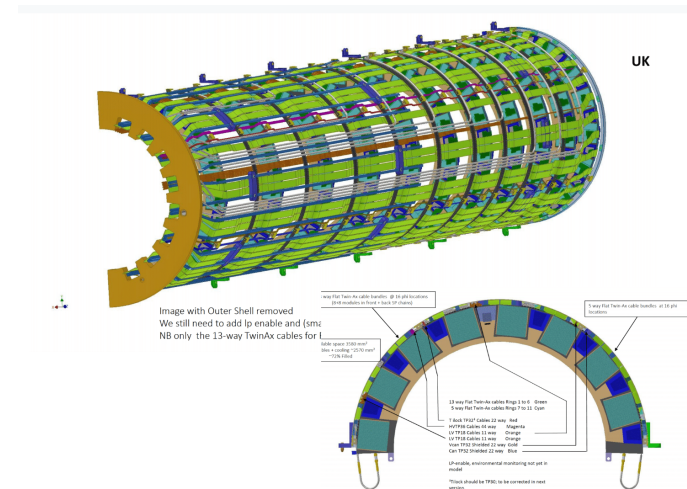
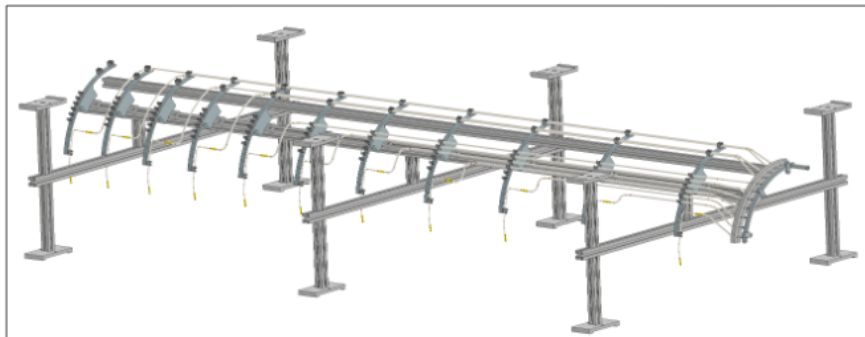
Half ring and services reception: option 3

0) Half-rings storage

1) Half-ring reception test powering and cooling with CO2

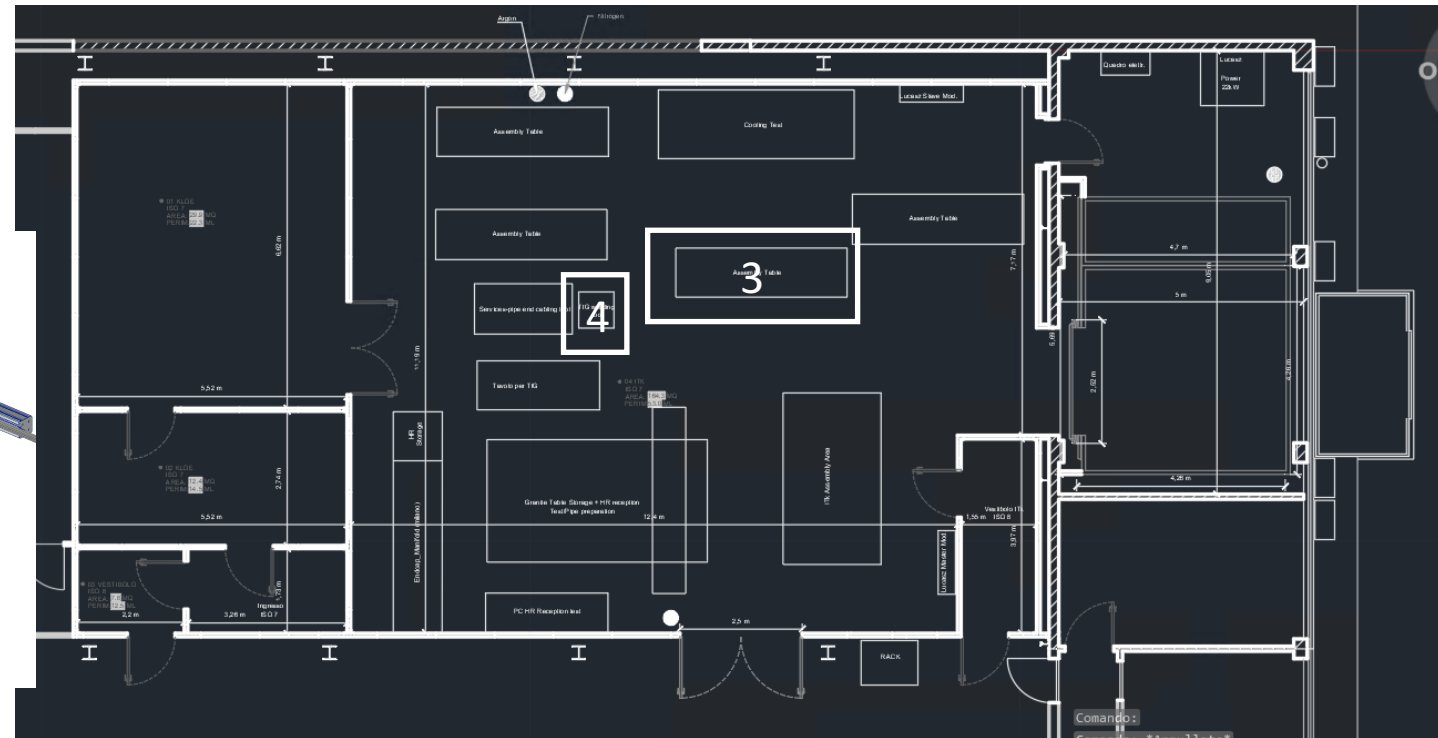
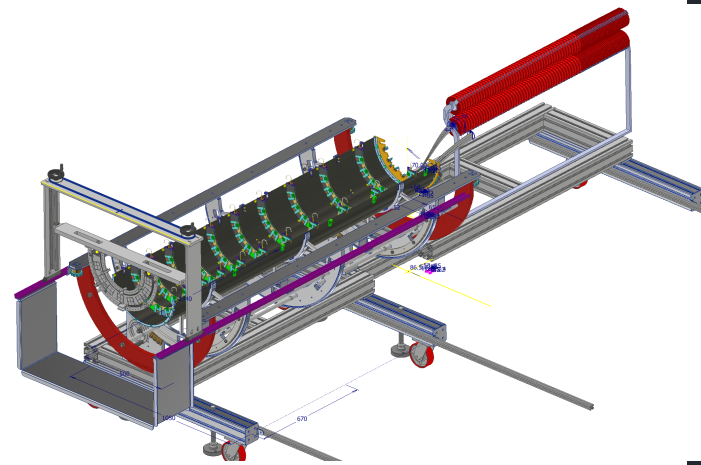


2) tools to install cooling pipe and data harnesses, power cable on half-shell

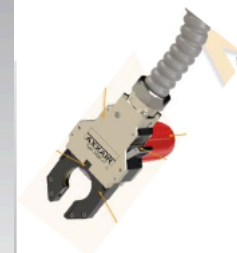
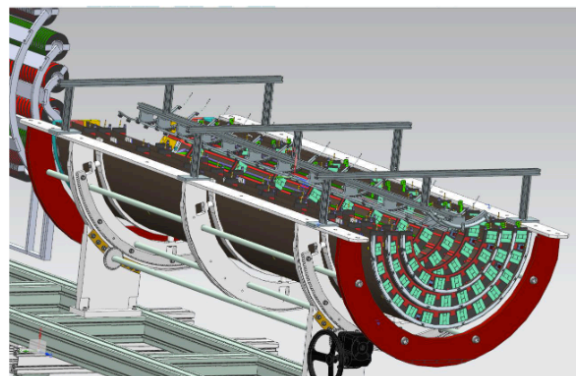


Half ring installation

3) Install services and Half-rings into half-shell



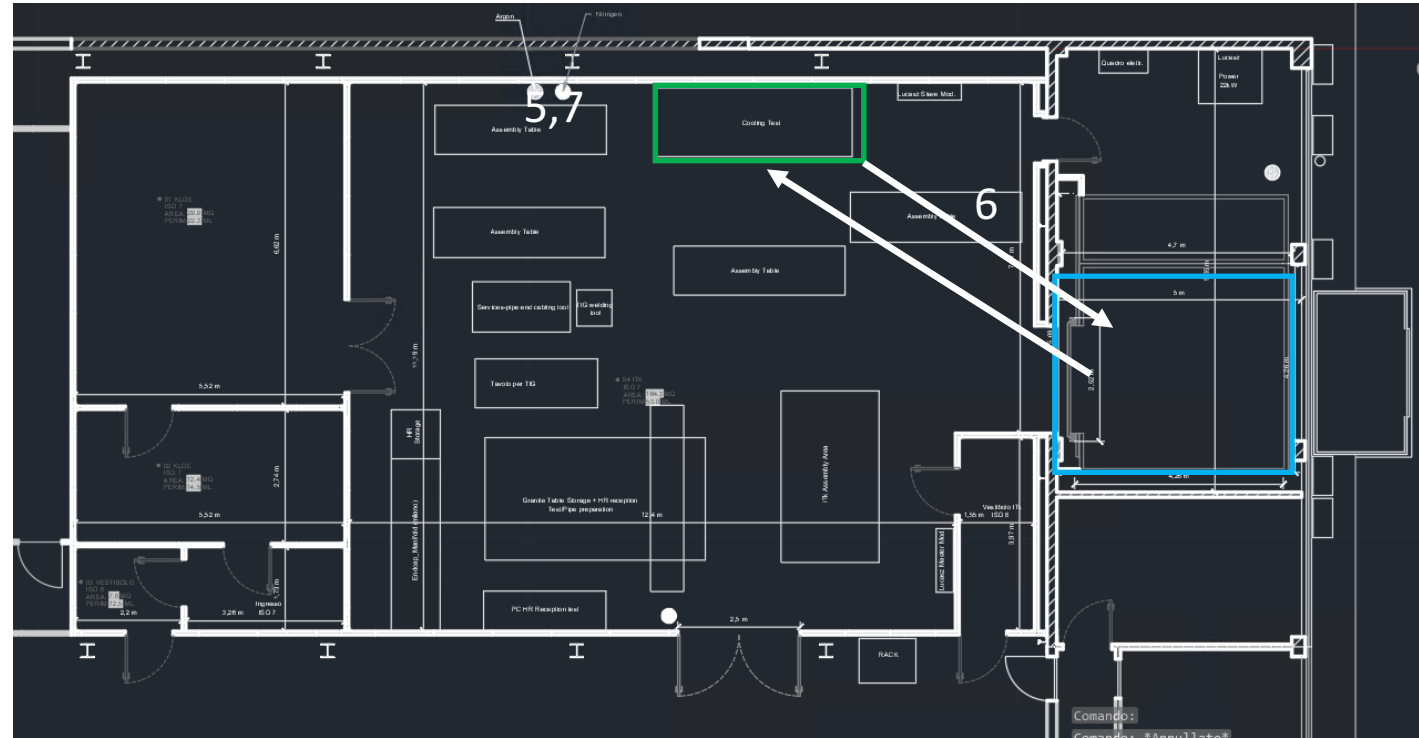
4) Tungsten Inert Gas welding of HR to manifold



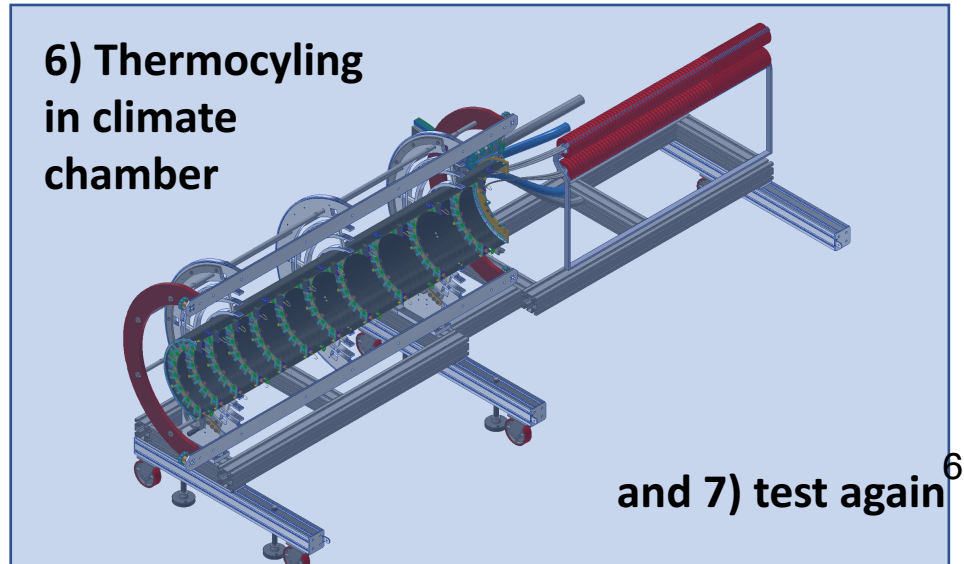
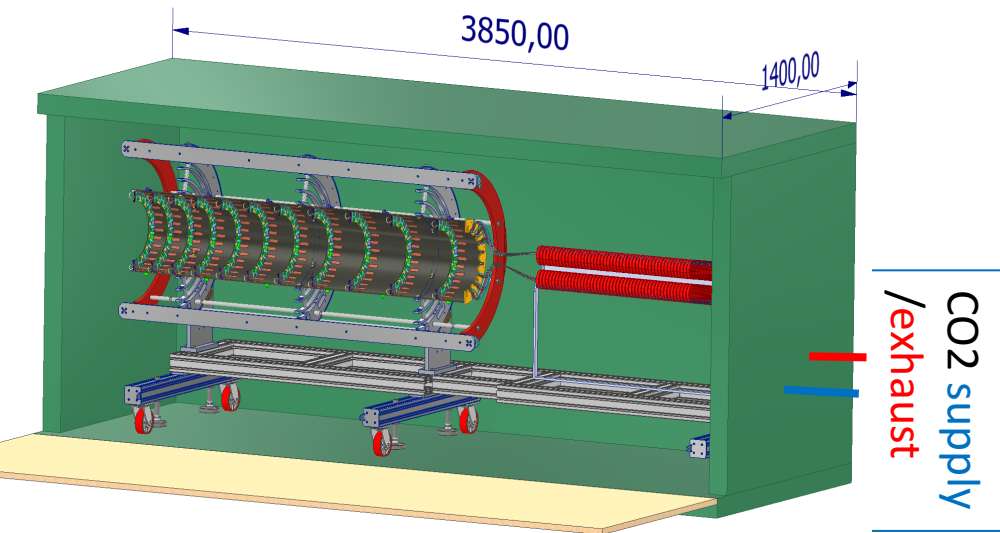
Orbital TIG
welding head

Half cylinder tests

- 5) Test with cooling at -35C
 - caveat: a -35 potenza lucasz fortemente limitata
 - decisione per FDR Q1 2022



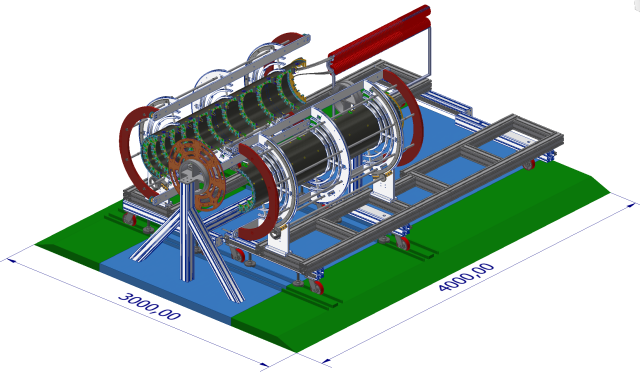
DAQ/
PWR



Half cylinder and endcap assembly: Opzione 1 e 3

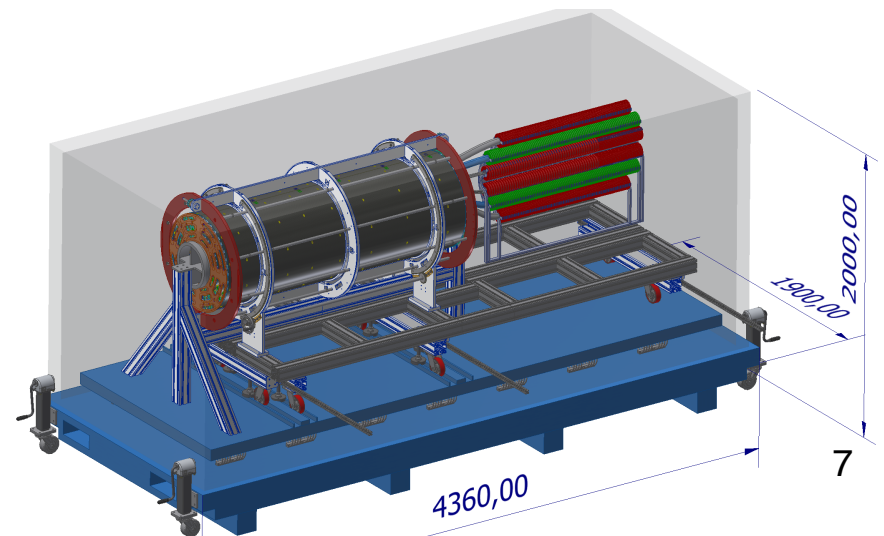
8) Repeat 1-7 the same for the twin half cylinder

9) Mating of pairs of half cylinder



10) Repeat 1-8 for the other 2 pairs of half cylinders

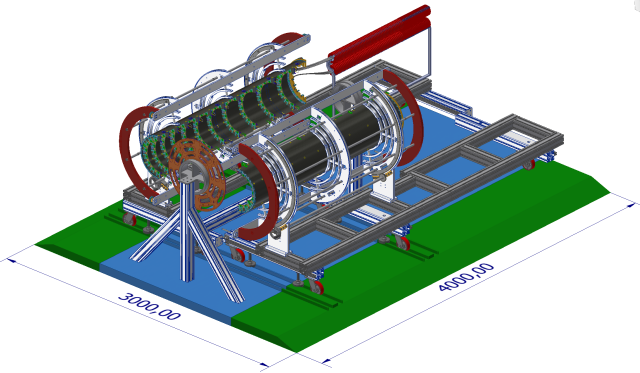
11) Final test for complete endcap



Half cylinder and endcap assembly: Opzione 2

8) Repeat 1-7 the same for the twin half cylinder

9) Mating of pairs of half cylinder



10) Repeat 1-8 for the other 2 pairs of half cylinders

11) Final test for complete endcap

