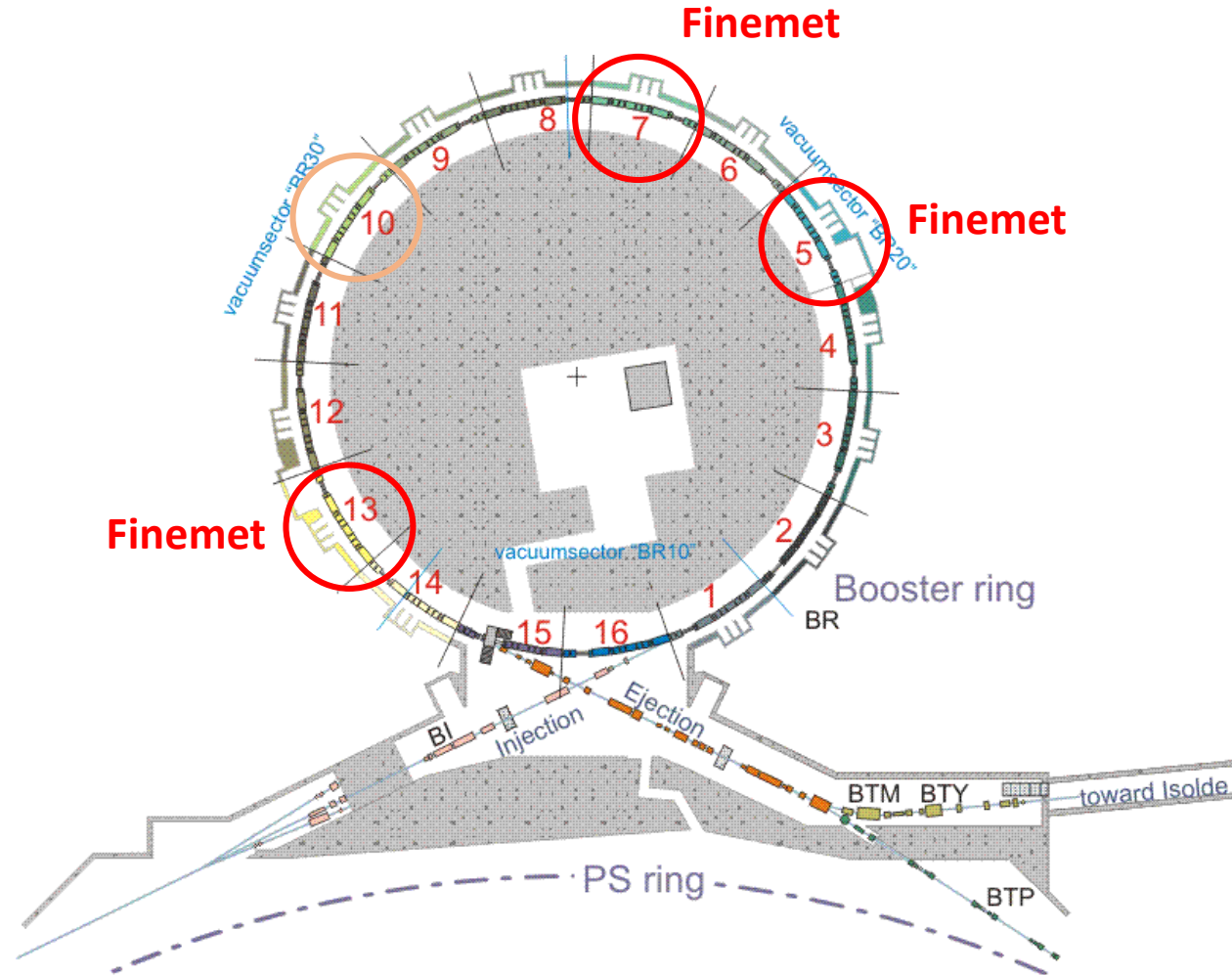




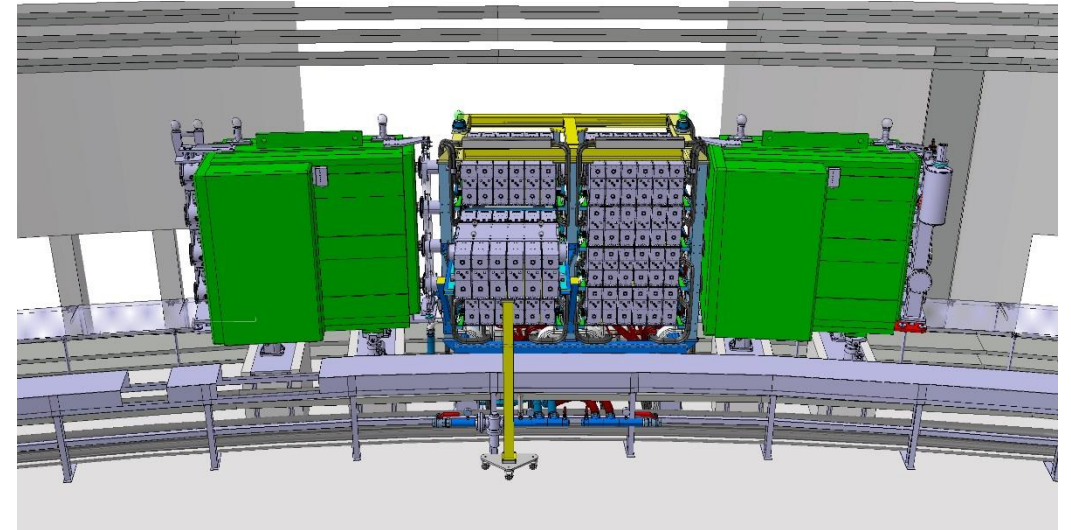
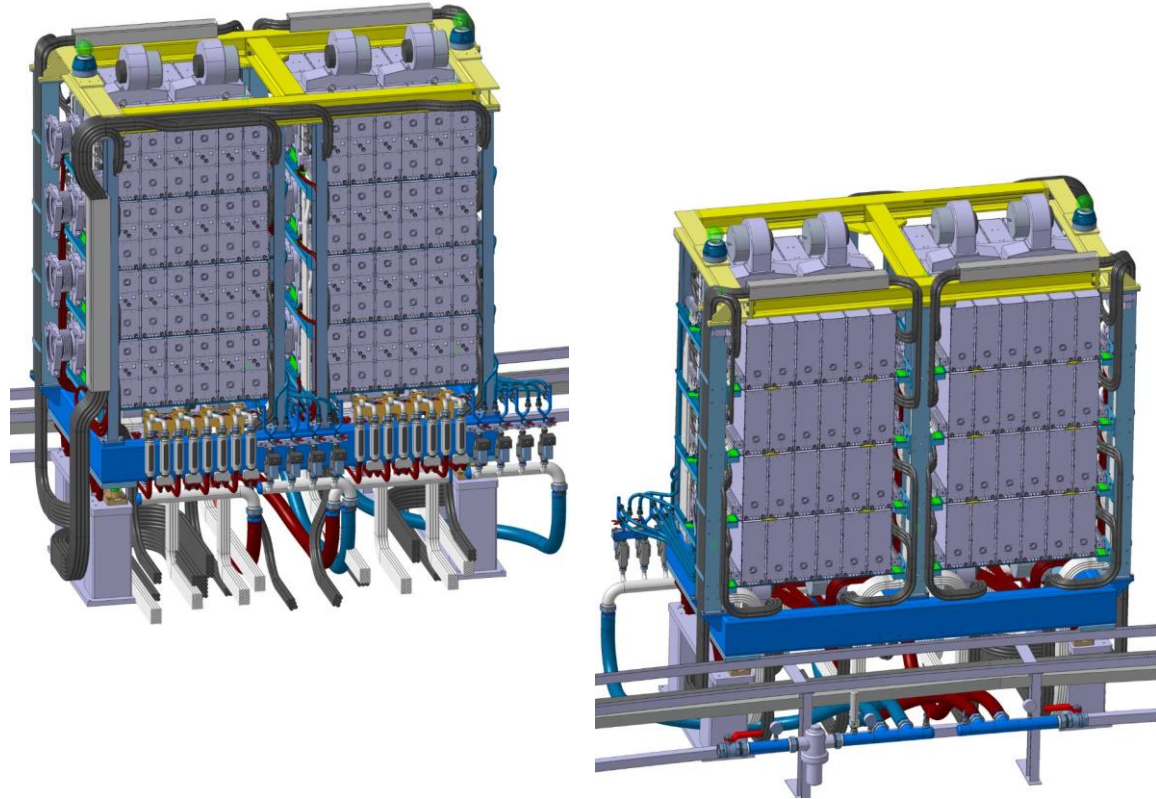
Finemet RF system - Layout in the ring.

Use of three sections for new RF systems: 5L1, 7L1 and 13L1. Section 10L1 in stand-by.



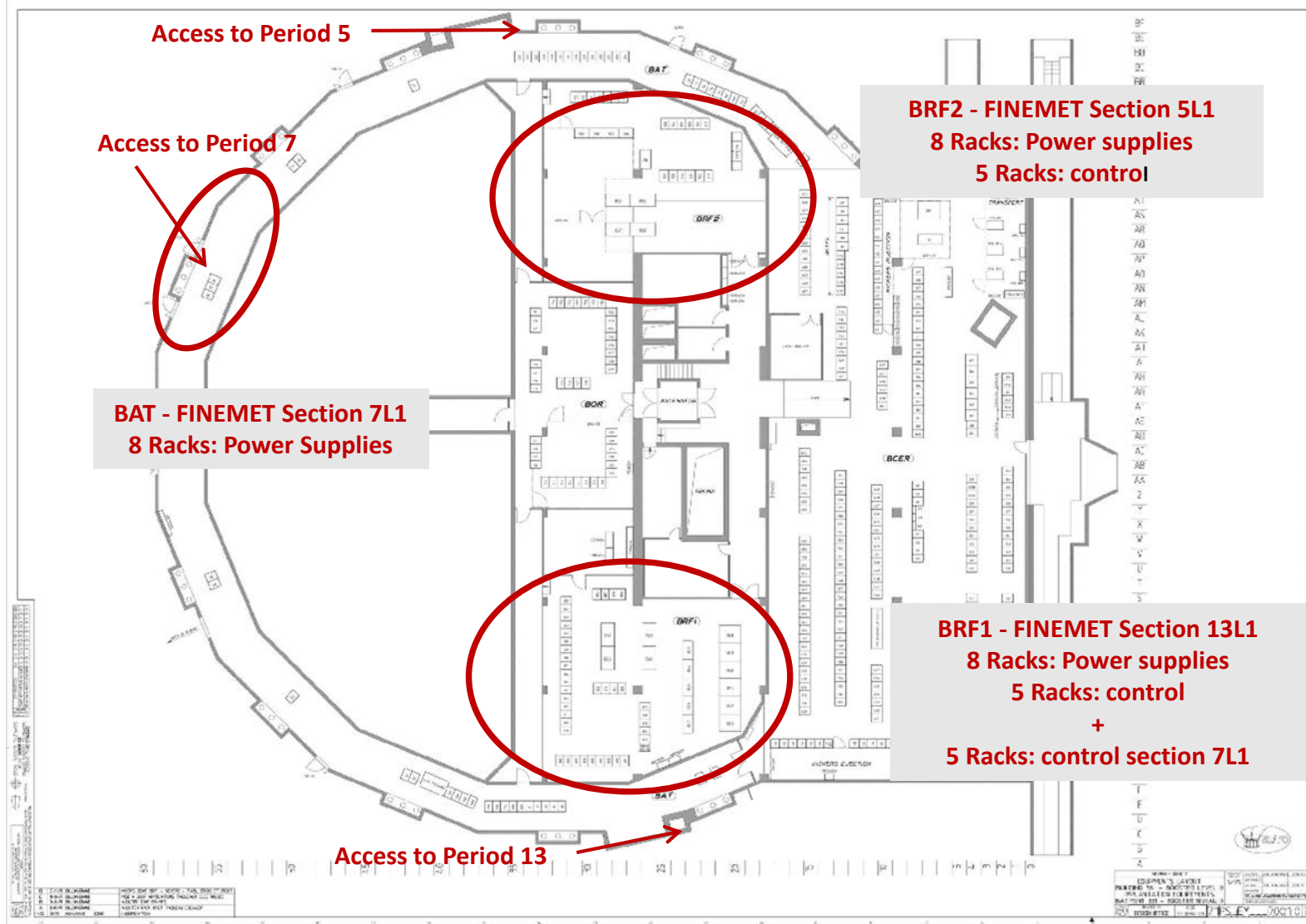


Finemet RF system - 6-cell Cavities Arrangement



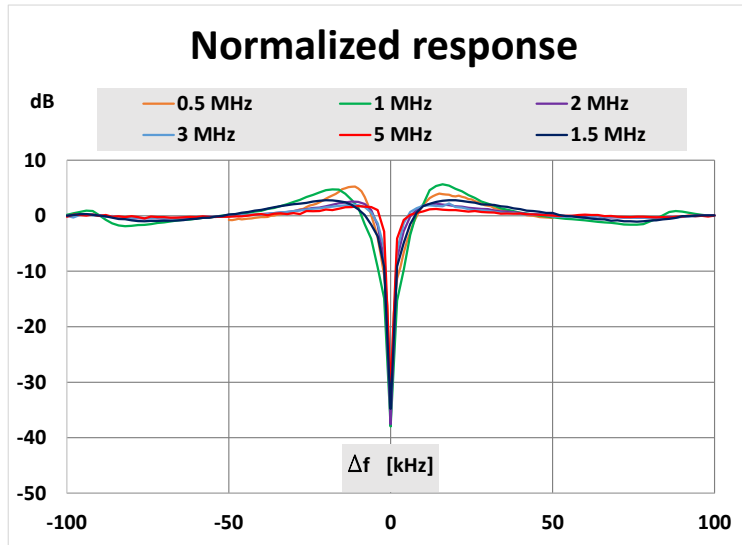
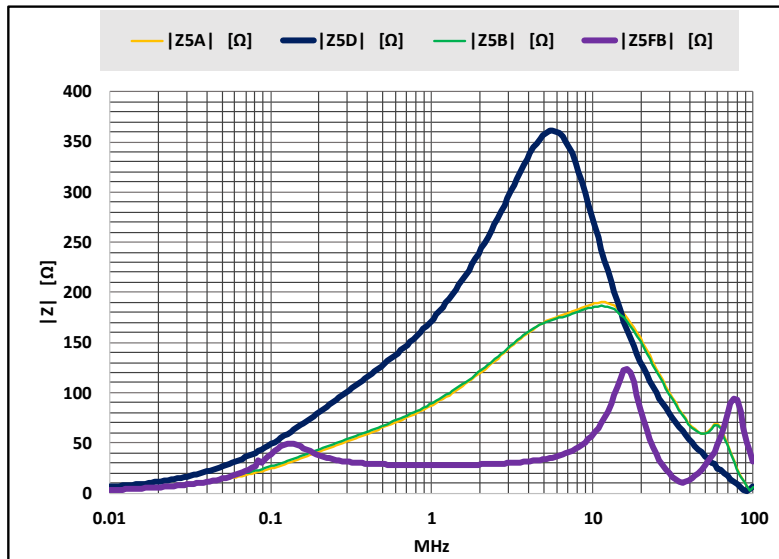
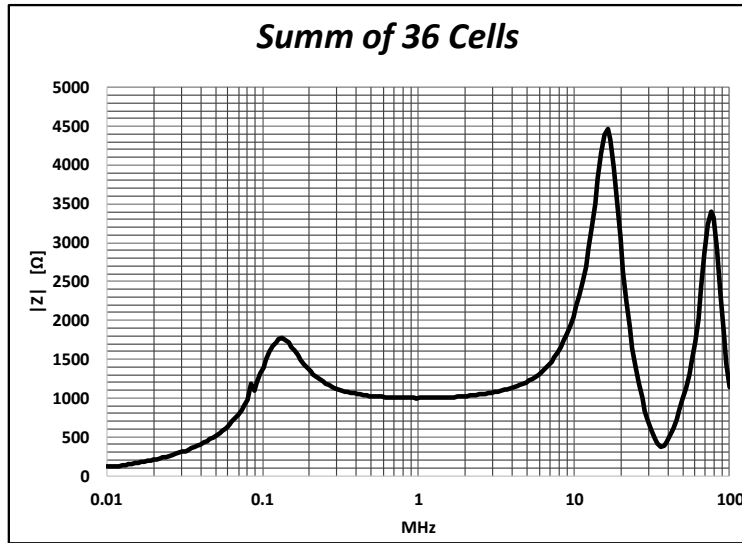
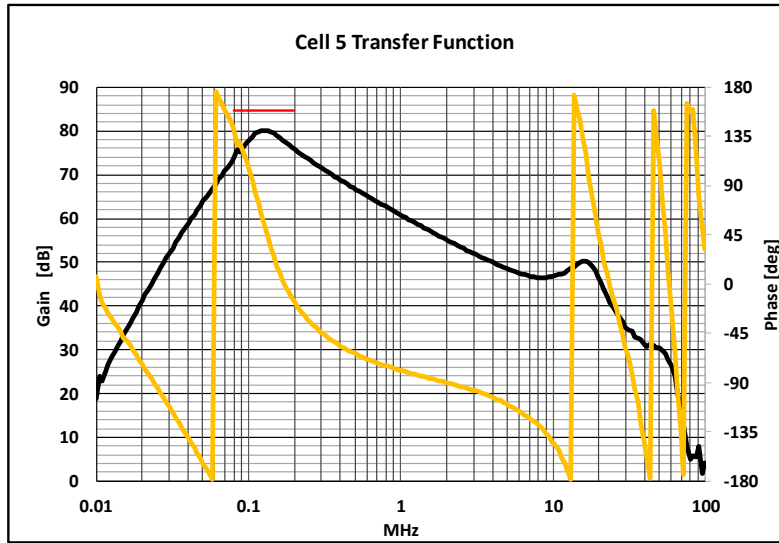


Finemet RF system – Equipment Rooms





Finemet RF system - Cell Response.





Finemet RF system - System characteristics.

Parameter	Value
Operation Frequency	1 MHz to 18 MHz
Operation mode	Single frequency or multi-harmonic
Single cell voltage Freq < 4 MHz Freq > 4 MHz	700 V _{pk} Linearly de-rate to 150 V _{pk}
Total nominal voltage Freq < 4 MHz Freq > 4 MHz	24 kV _{pk} Linearly derating to 4 kV _{pk}
Cell length	130 mm
Number of cells in a cavity	6
Number of cavities per ring	6



Finemet RF system - RF Block Diagram (1 Section, 1 Ring)

