

LBNF – DSS Integration & Scope

Dimitar MLADENOV & The entire CERN Team FS Integration/Installation Planning Kartause Ittingen, 02-04 January 2020

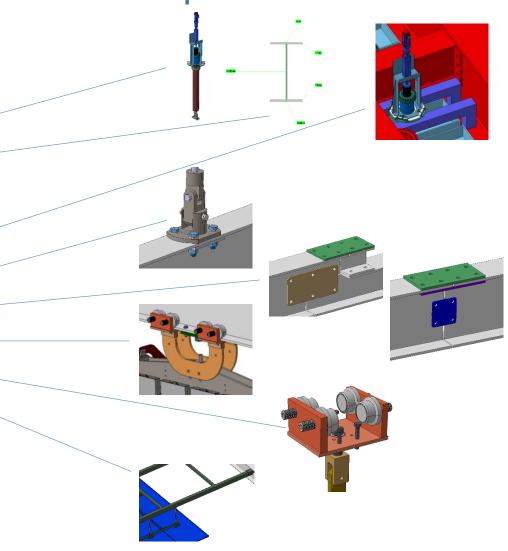


Outline

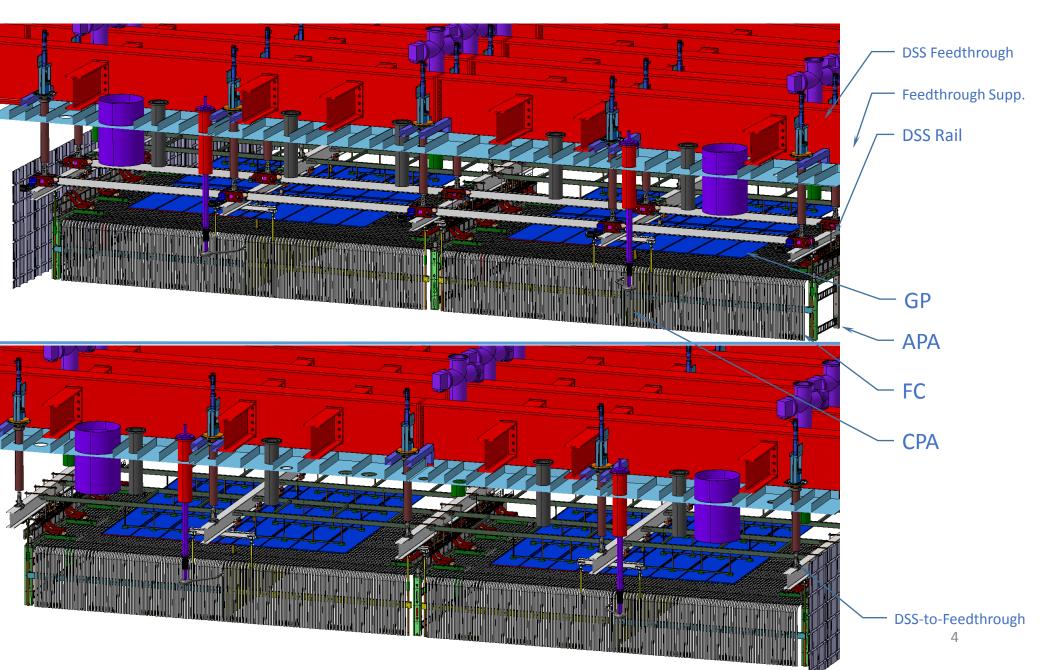
- Design Updates to the structural elements
- Design Updates to the Interfaces
- Installation and operation scenario updates
- To be decided:
 - Clear definition of interfaces responsibilities
 - Clear definition of main elements responsibility
 - Clear definition of the word "responsibility"

List of the updates

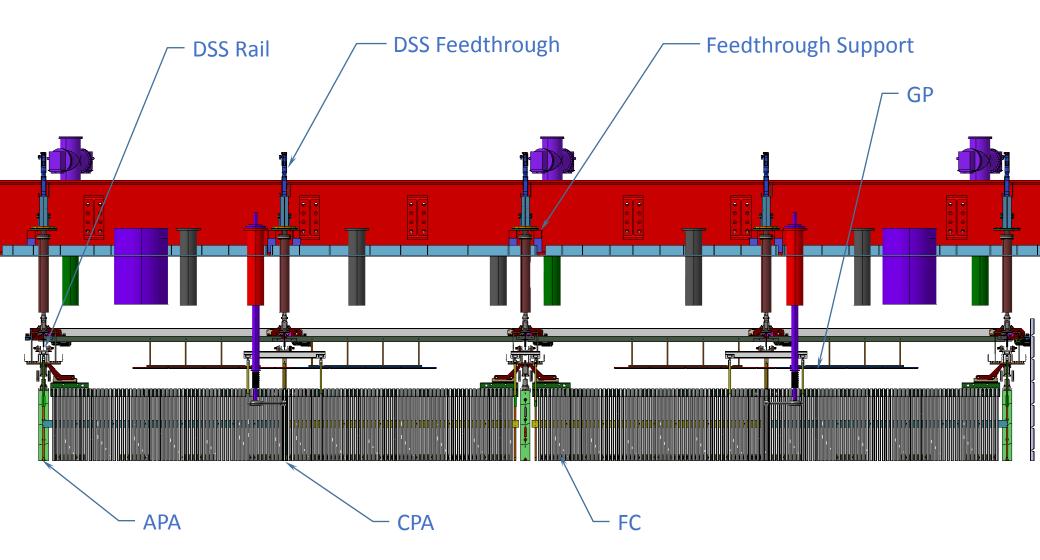
- Feedthrough
- DSS Rail
- Interfaces:
 - Feedthrough-to-roof
 - Feedthrough-to-DSS
 - DSS-to-DSS
 - DSS-to-Yoke
 - DSS-to-CPA
 - DSS-to-GP



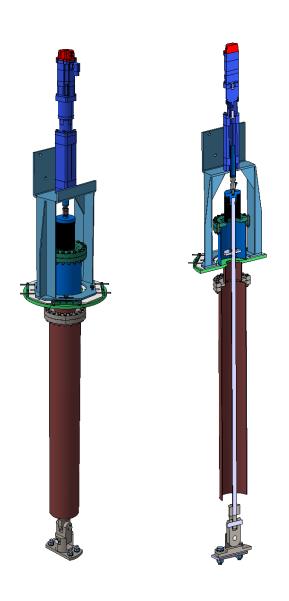
DSS

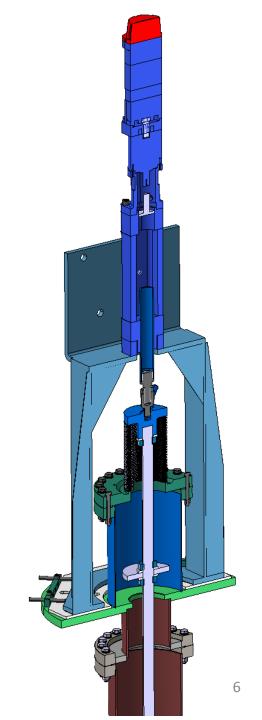


DSS

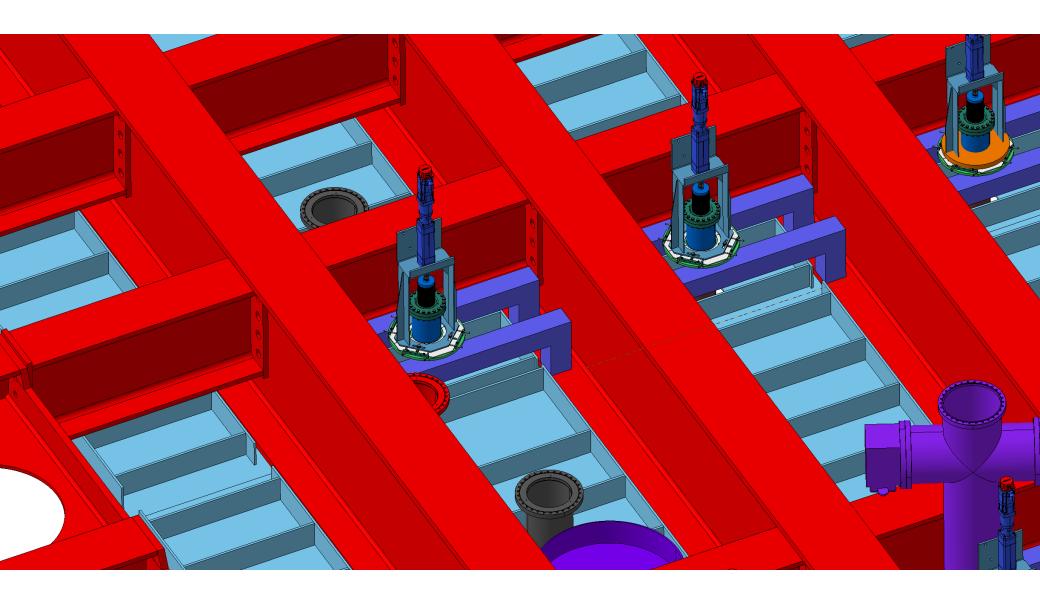


The Feedthrough

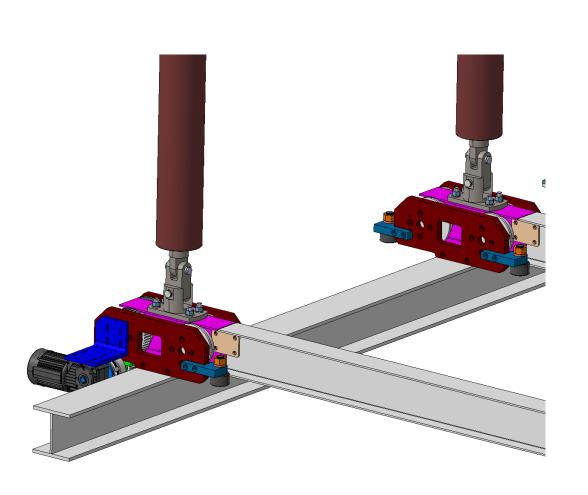


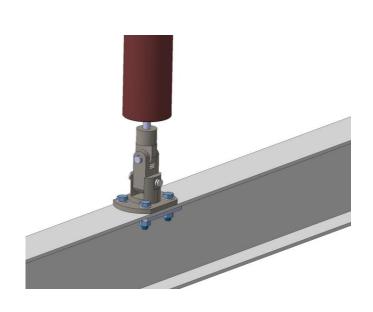


Feedthrough – to – Roof

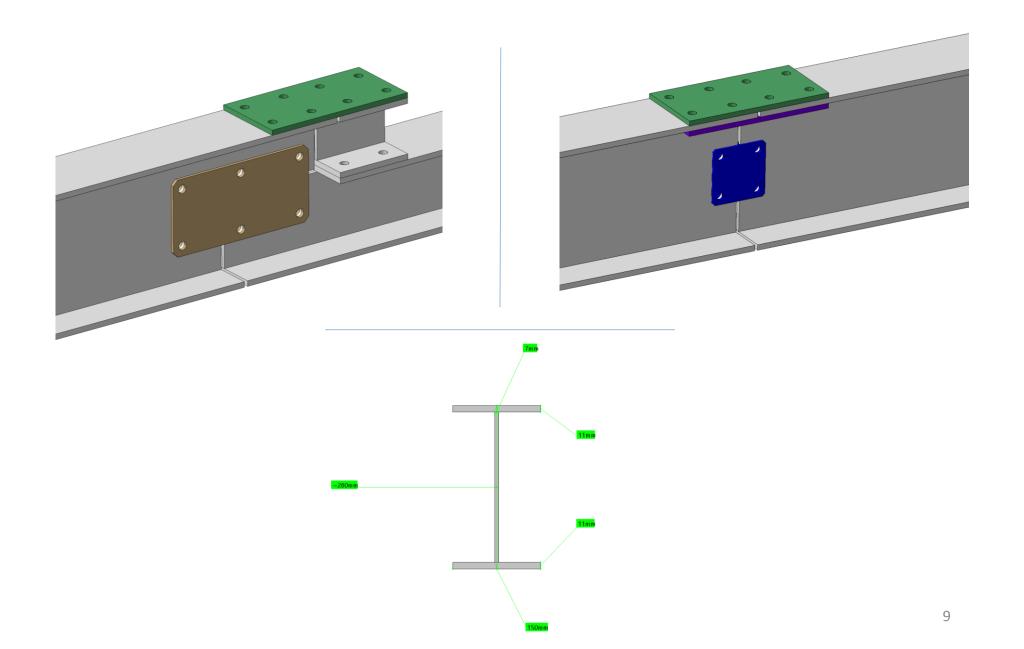


Feedthrough – to – DSS

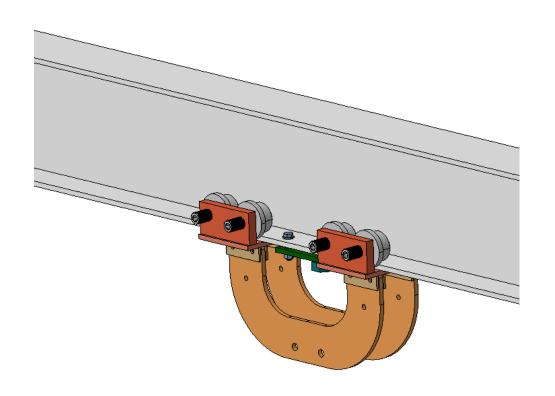


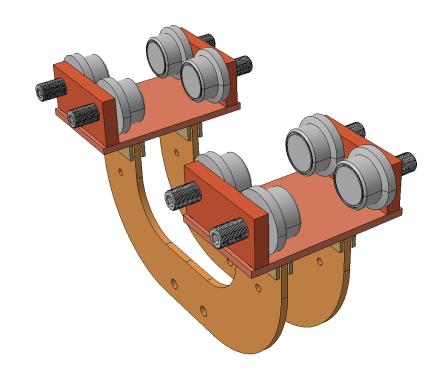


DSS - to - DSS

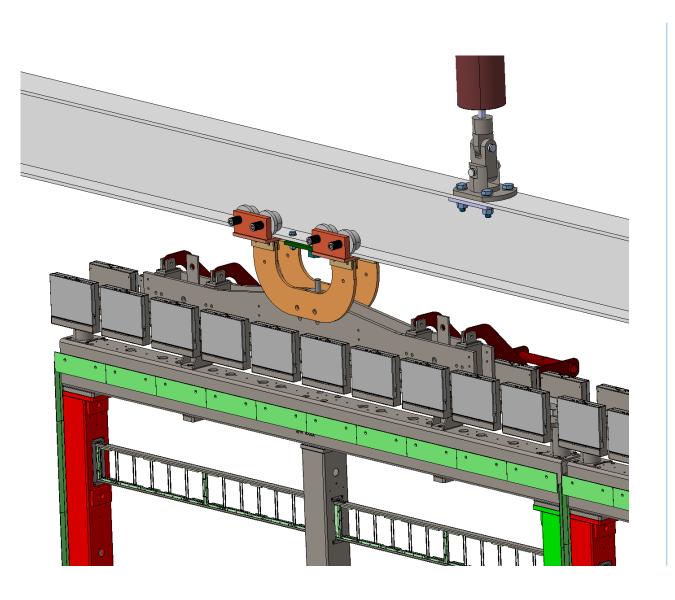


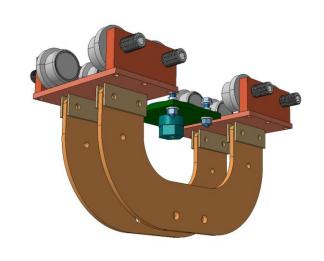
DSS - to - Yoke (APA Trolley)



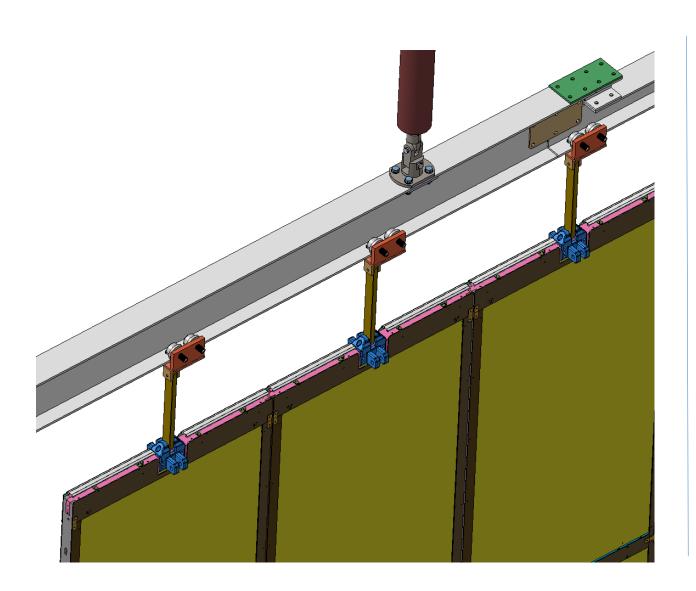


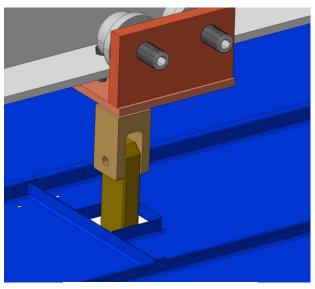
DSS – to – Yoke (APA Trolley)

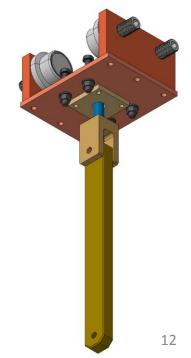


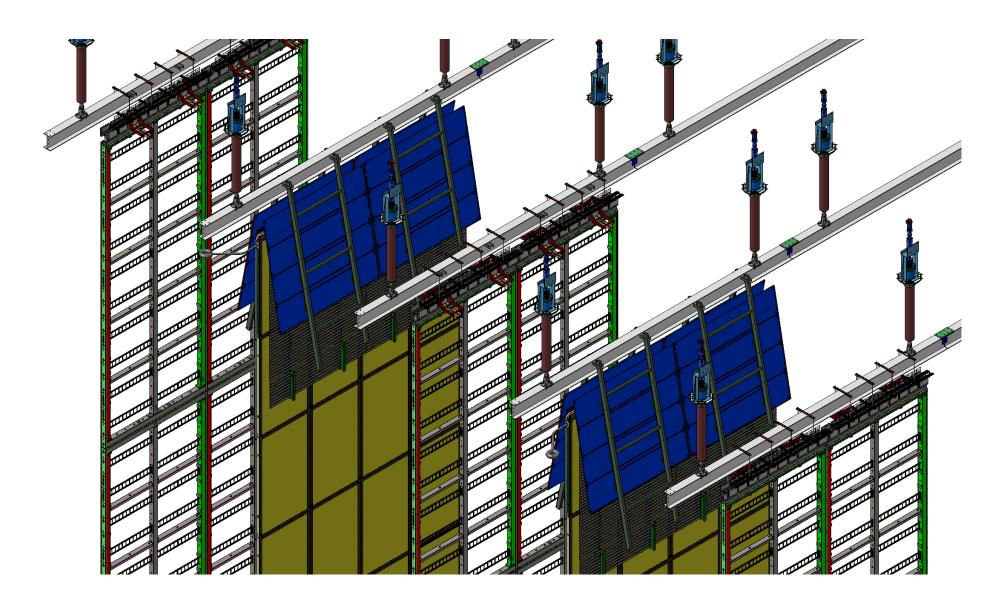


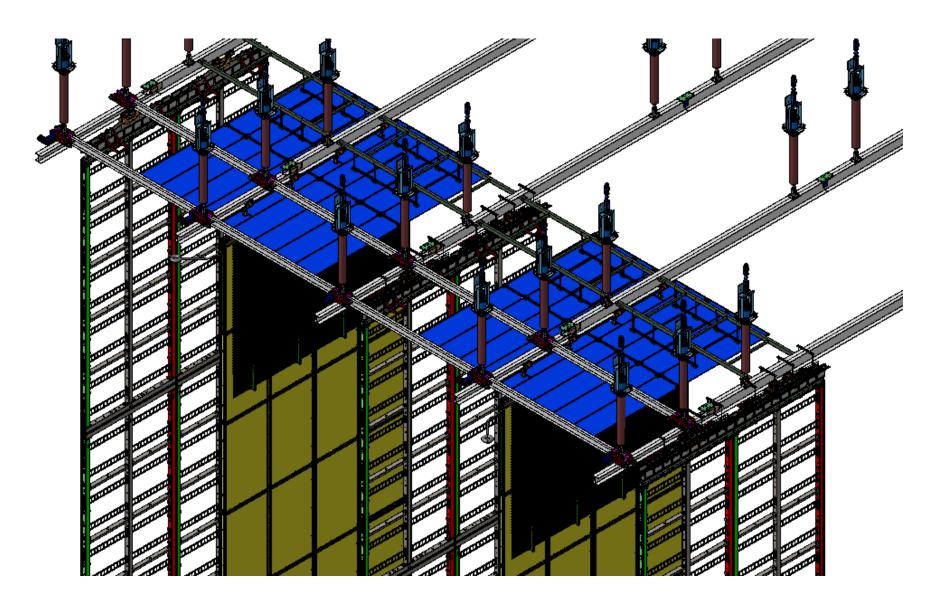
DSS – to – CPA (CPA Trolley)

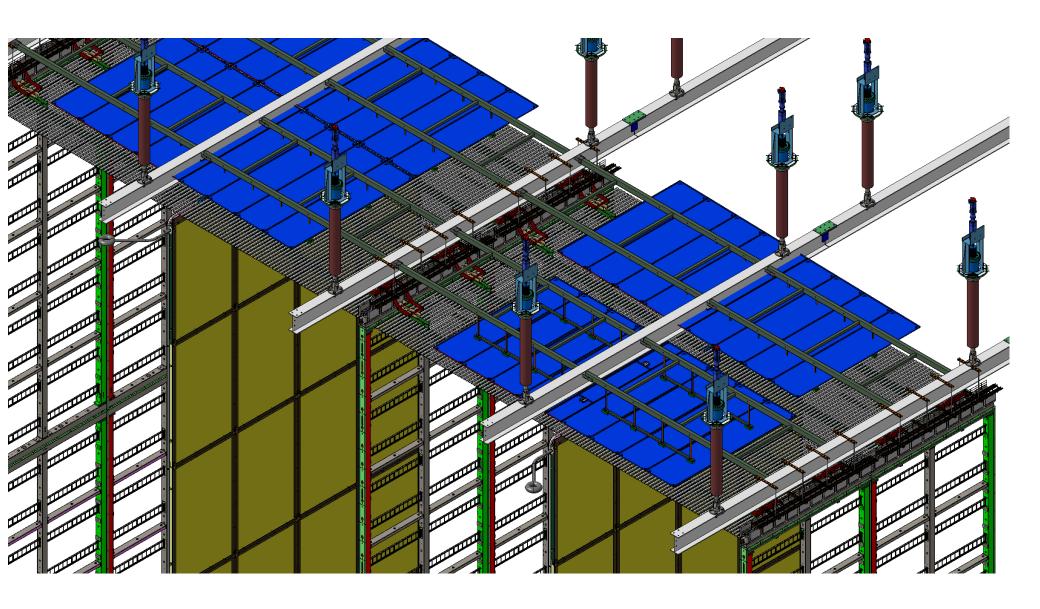


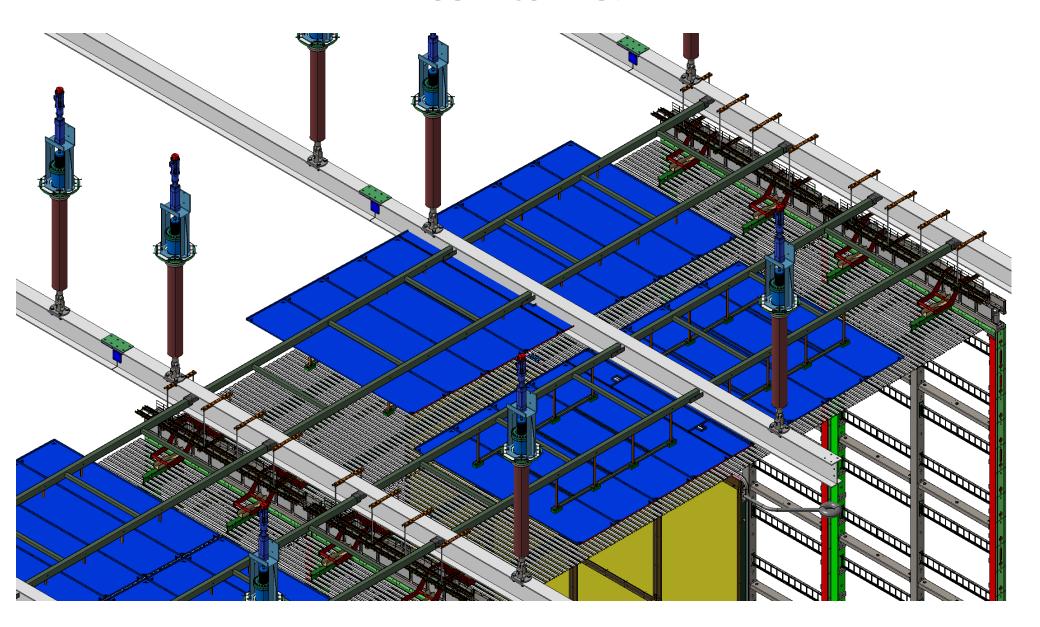


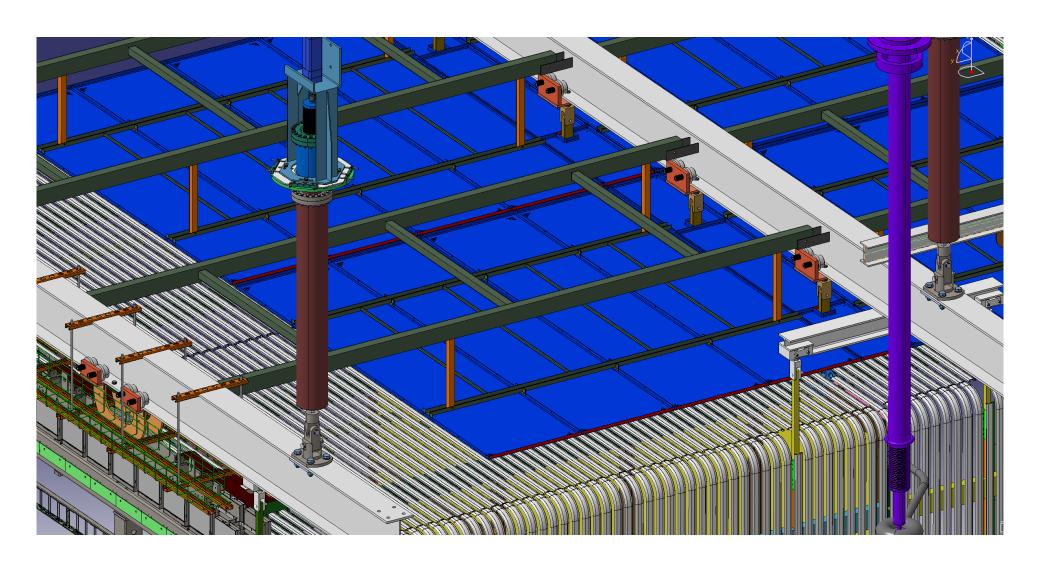




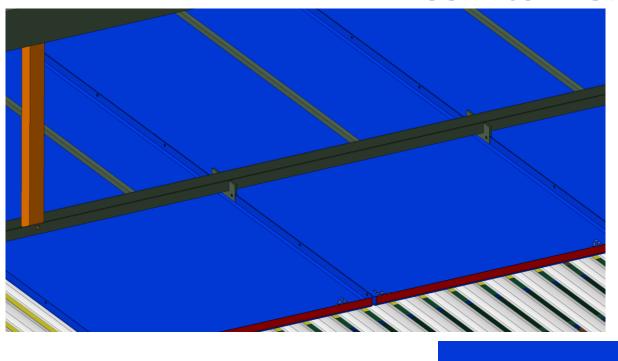


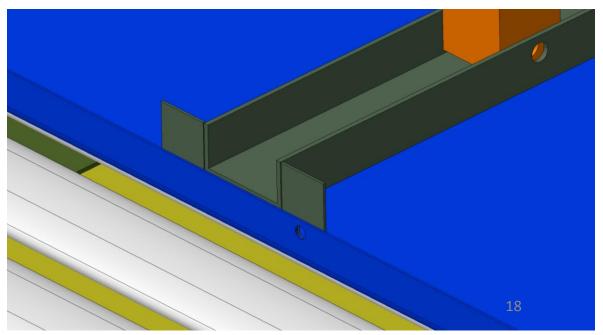


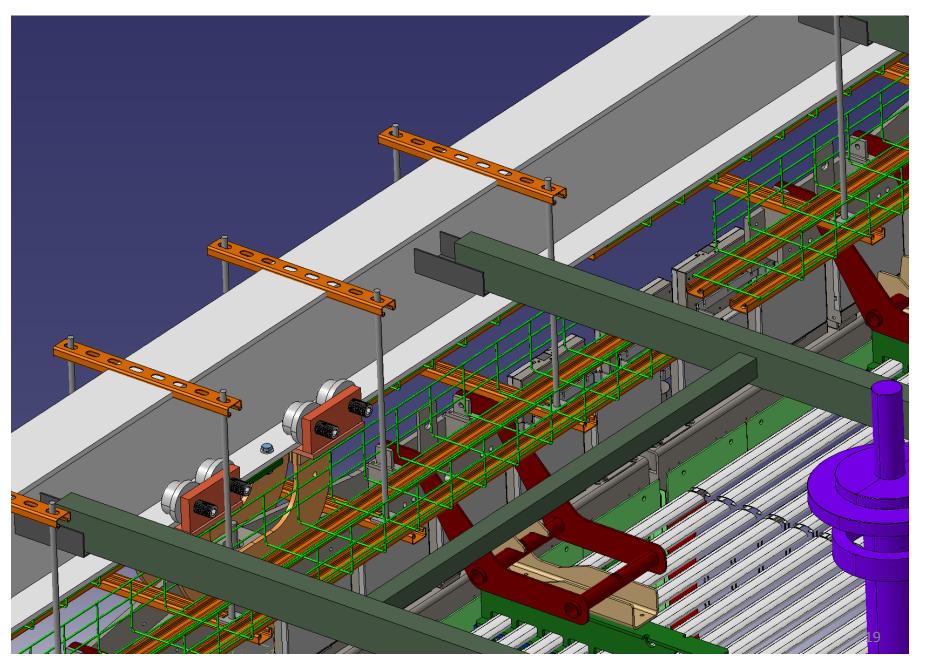


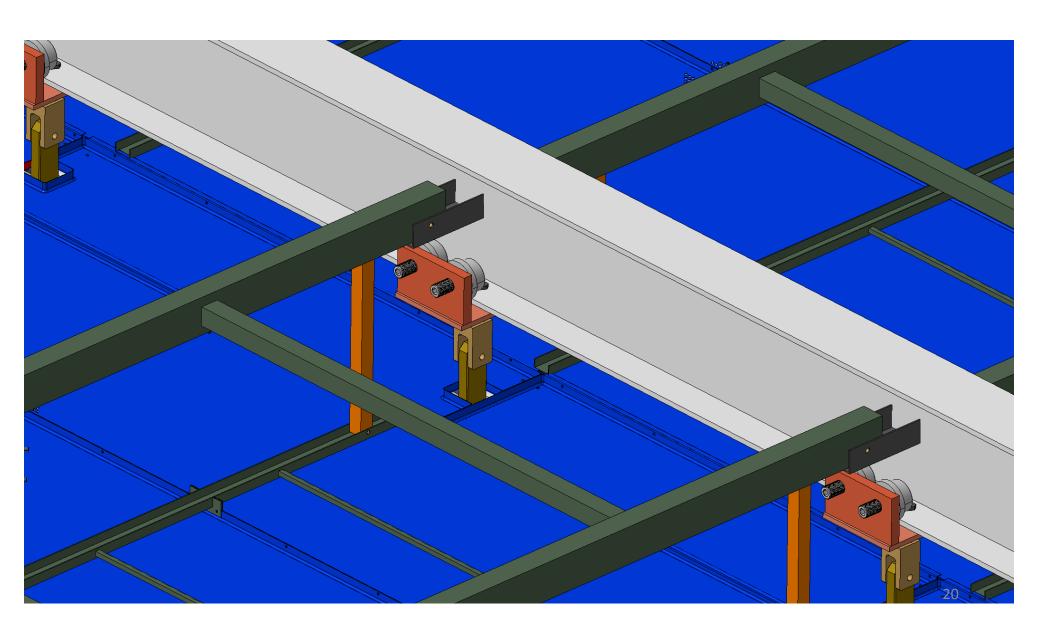


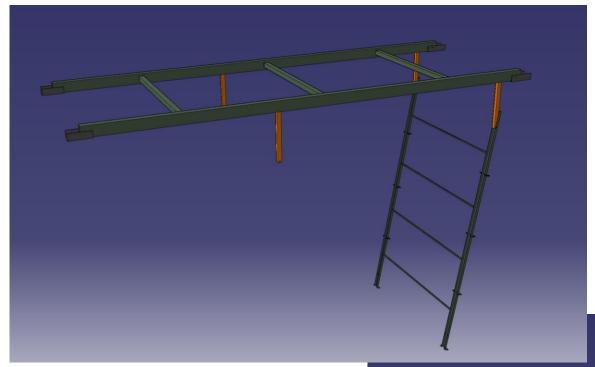
DSS - to - GP

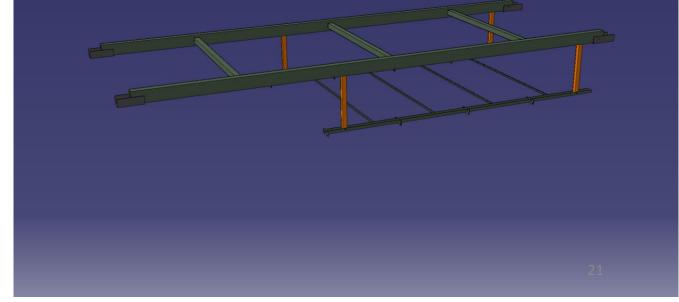


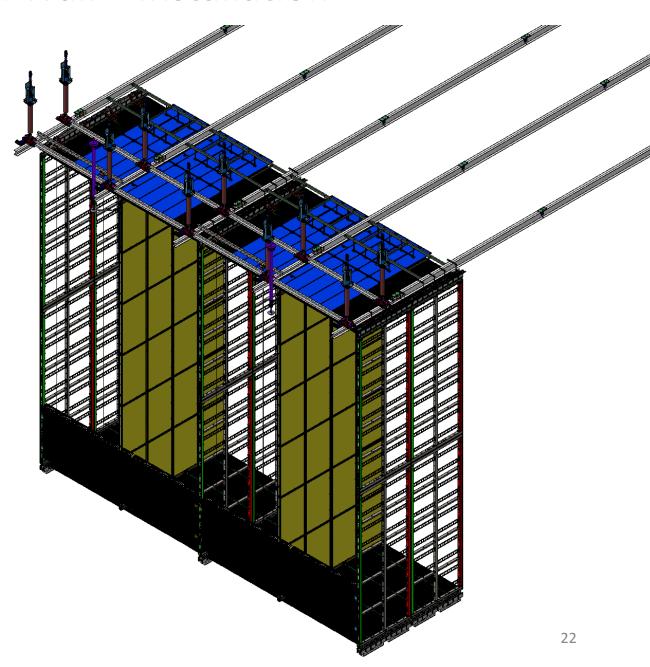


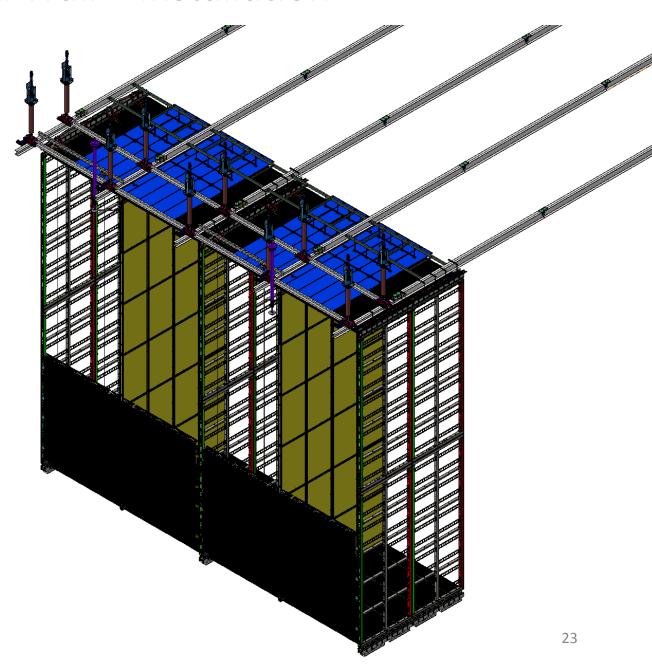


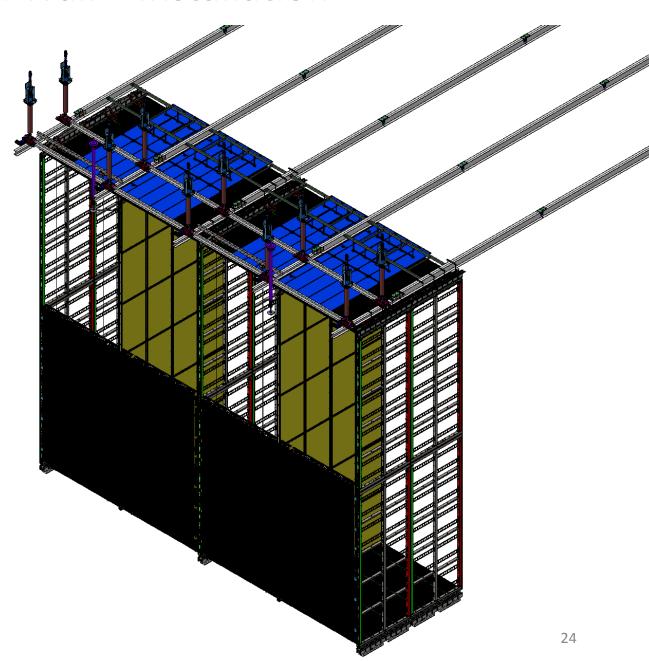


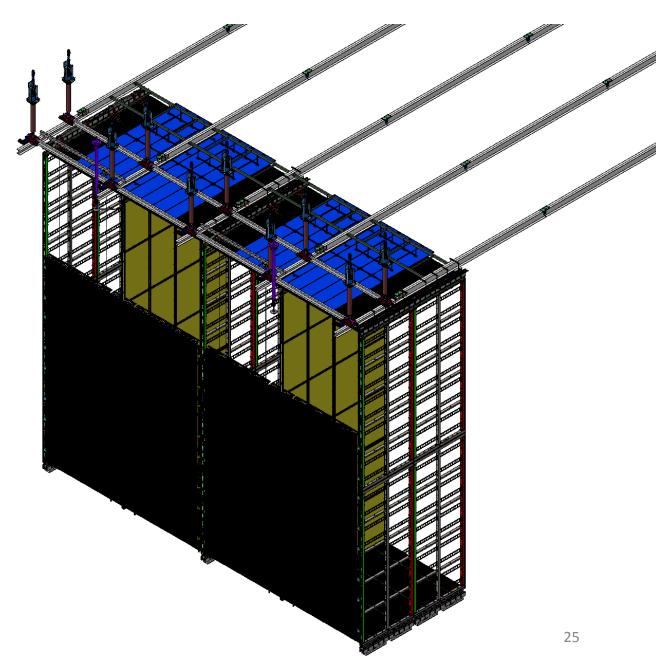


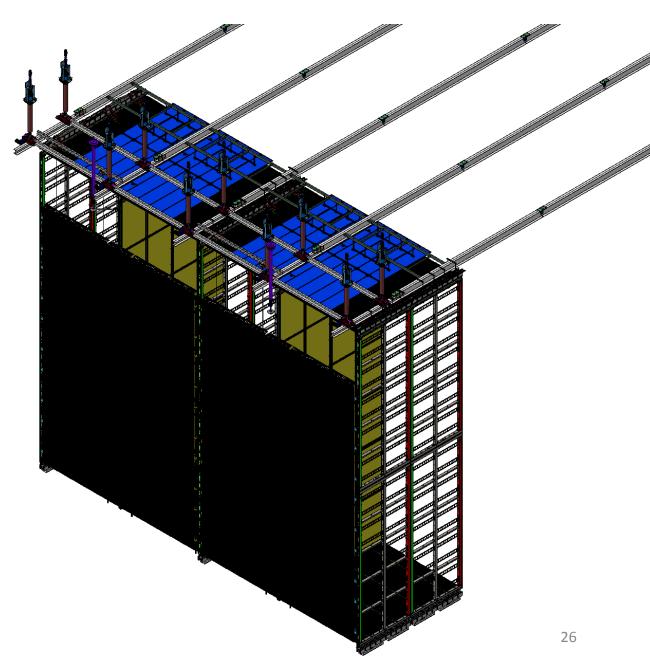


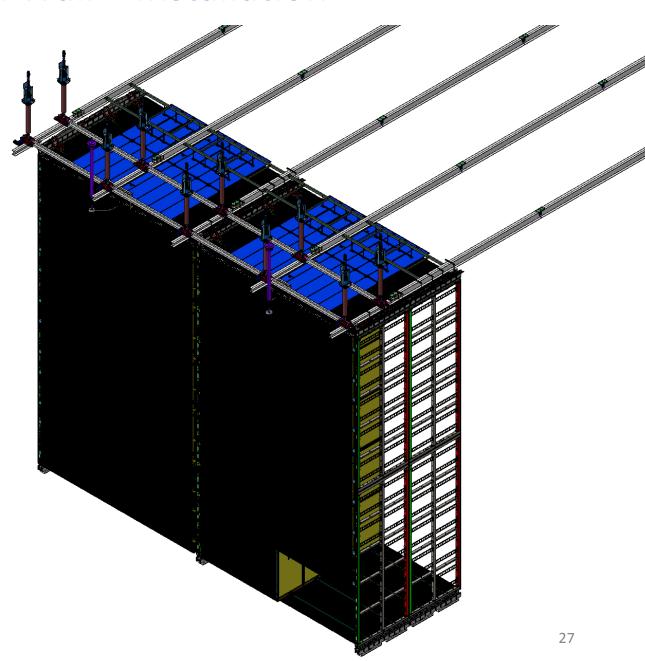






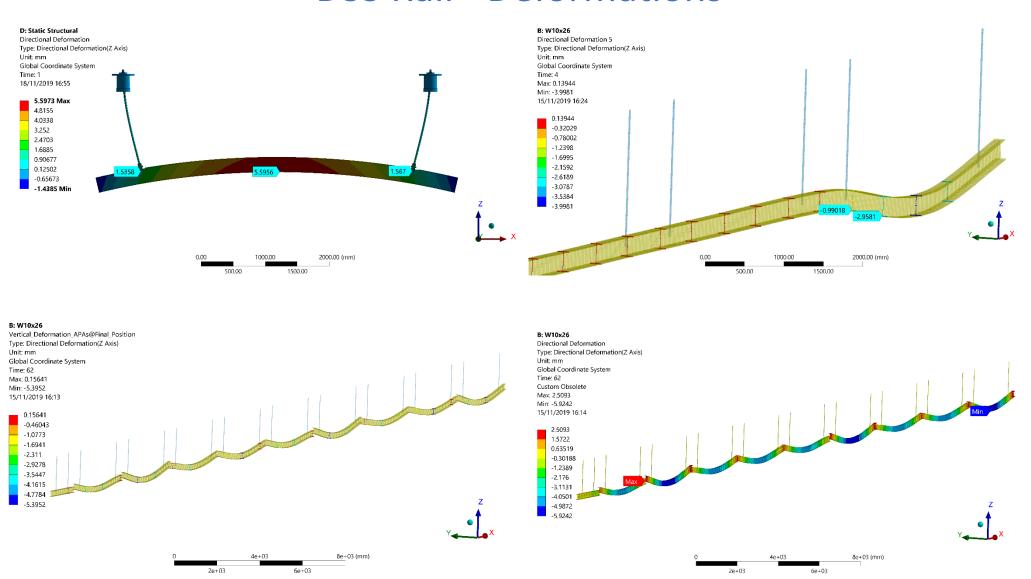






Thank you!

DSS Rail - Deformations



2mm rail misalignment

DSS Rail - Deformations

