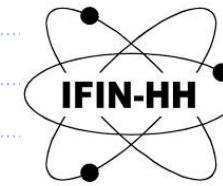


TRD – 2D installation proposal

Bucharest-TRD group

DFH Meeting



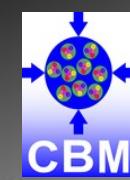
www.ifin.ro



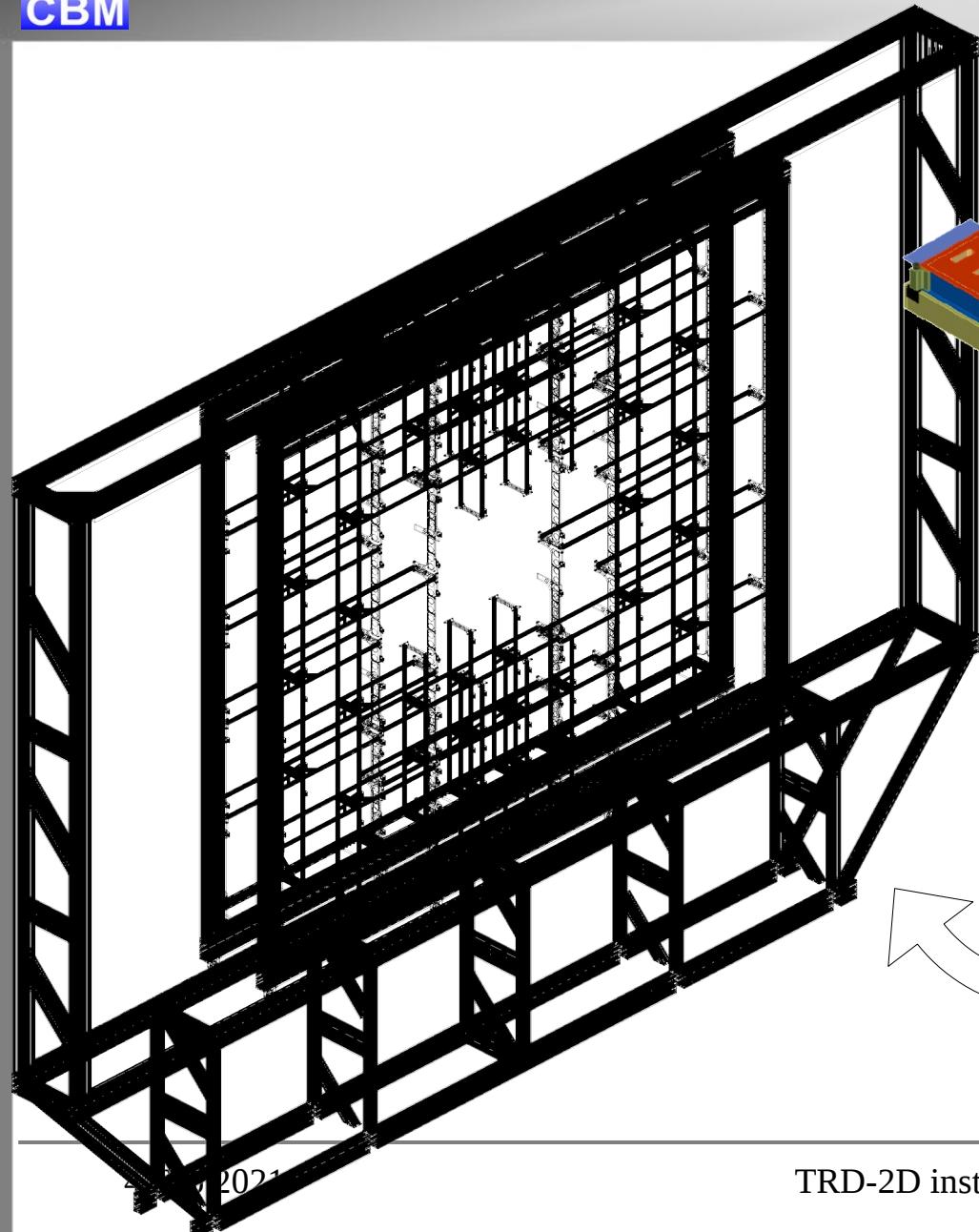
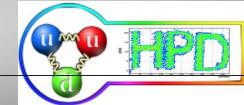
Layout of installation plan document

1. Pre-assembly and QC in home institution: Ready for delivery
2. Transport: packaging, handling during transportation, delivery
3. Interim storage at FAIR or other institutions (needed space, room conditions)
4. Pre-assembly at foreign institutions or at FAIR/CBM
 - a. needed space, needed special equipment, needed tools, needed locations (e.g. assembly and debugging)
 - b. needed resources in terms of people and time (QC before installation)
 - c. identify time window(s) needed, sharing of available space
 - d. installation of detectors/modules

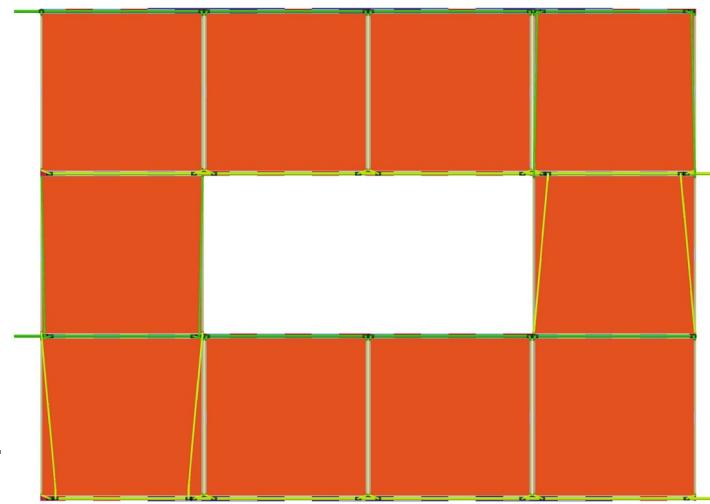
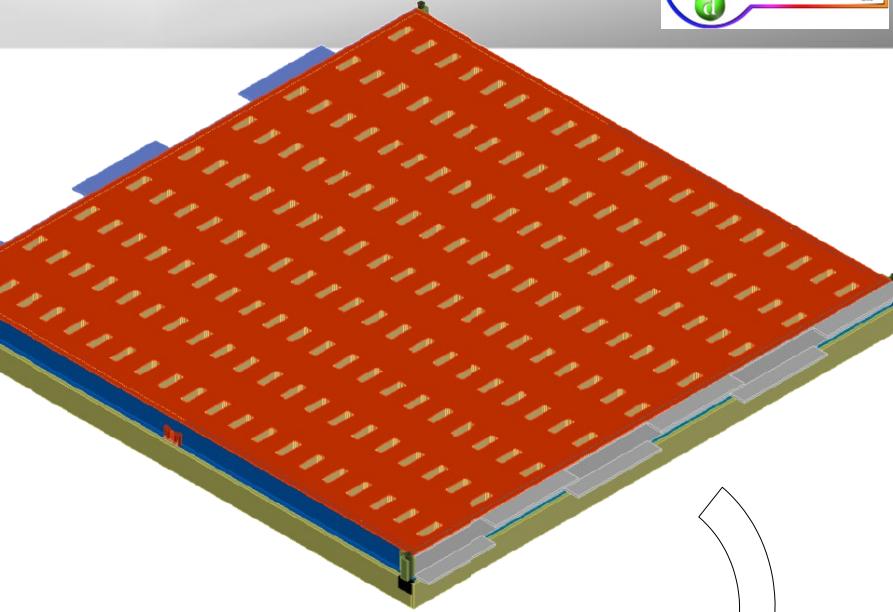
1. Module wise (ROC+FEE)
 - All services ready for connection
2. YES
3. Wooden boxes of 200 kg, 1 m³ (10 modules)
 - Max 4 boxes at a time + fittings
 - Room temperature and cleanliness
4. FAIR (inner super-module = 10 modules)
 - a) At least 10m², no special requirements, permanent usage
 - b) NO (home workers), 1-2 weeks for all
 - c) Depends on other TRD activities
 - d) Inner super modules - TENSION WITH THE BEAM PIPE INSTALLATION

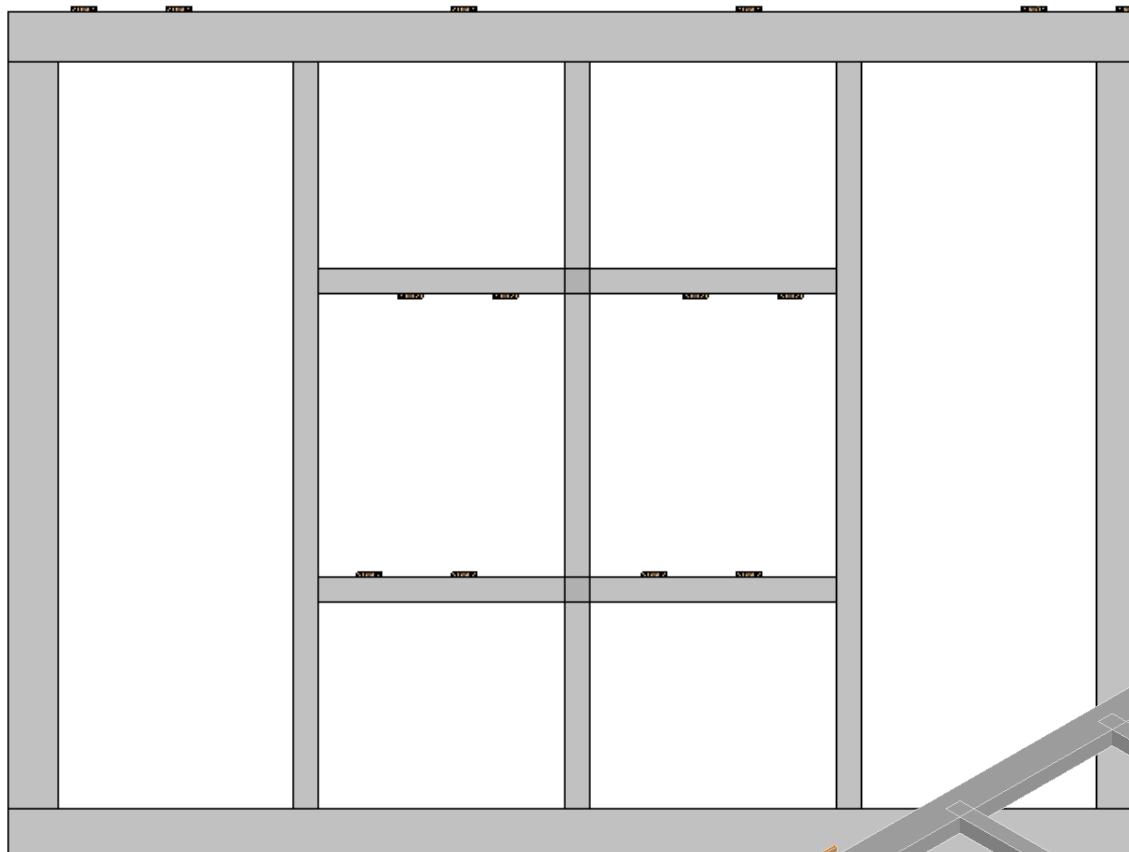


Module → Supermodule → Experimental hall

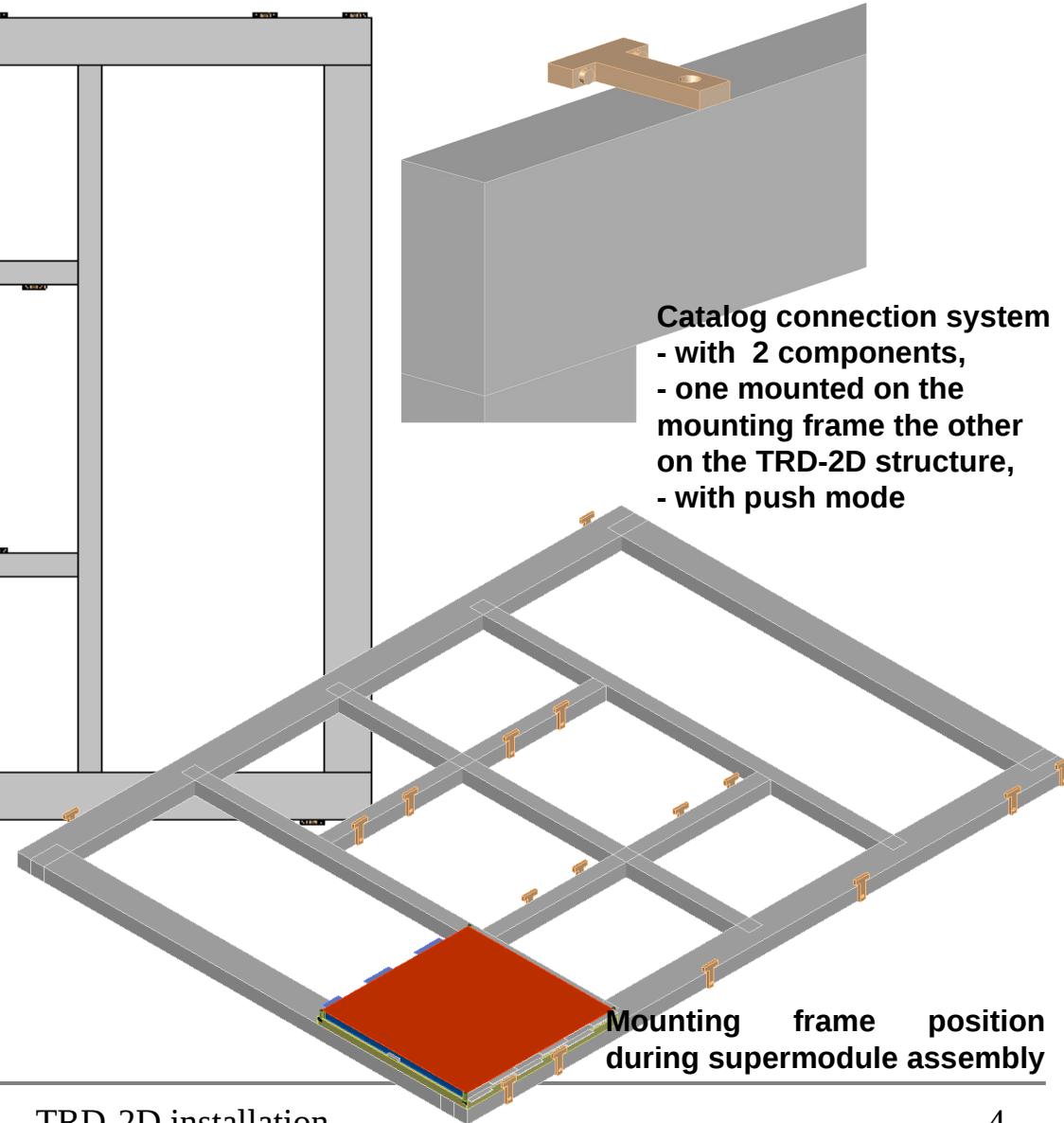


TRD-2D installation

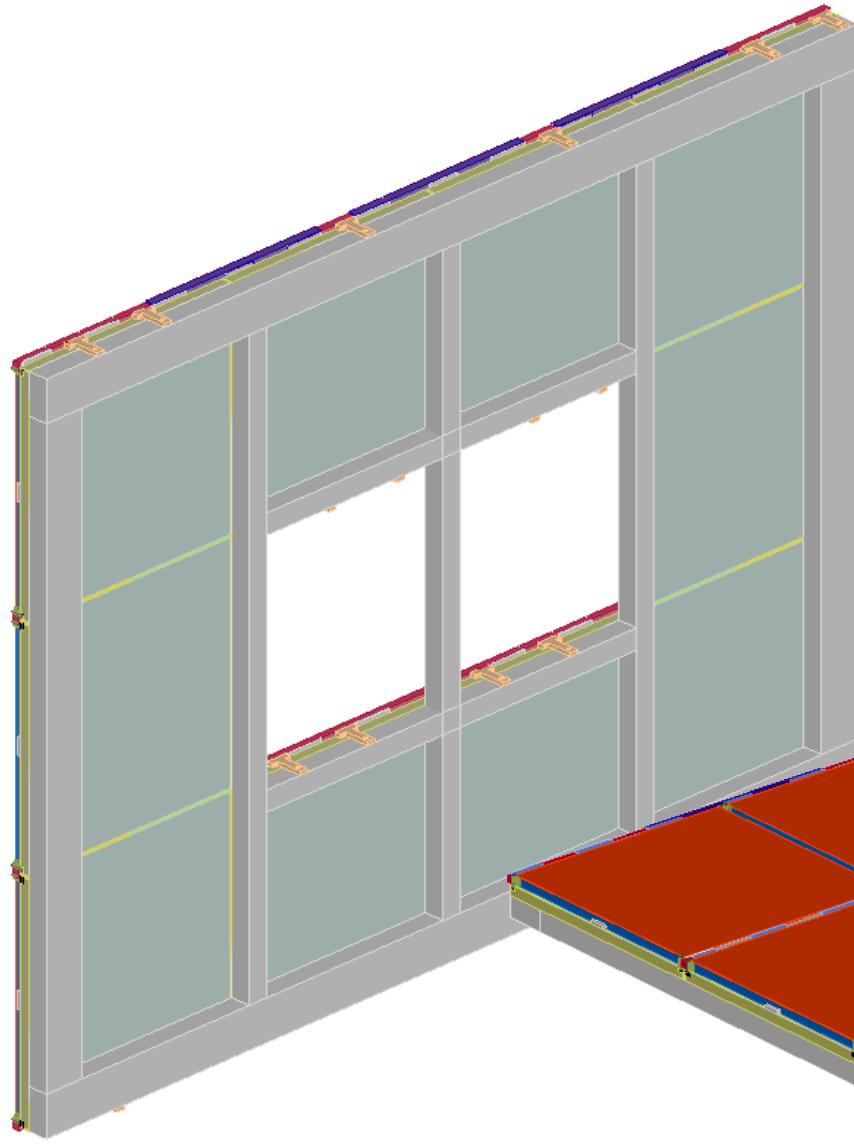




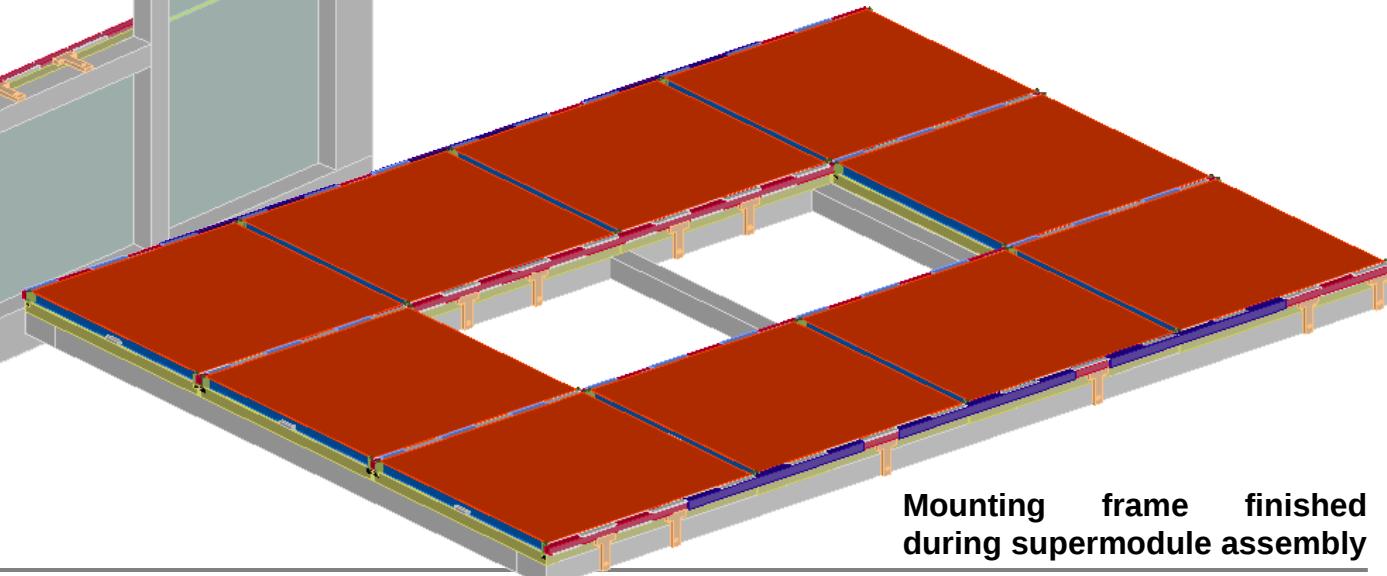
MOUNTING FRAME



Mounting frame transport to experimental hall

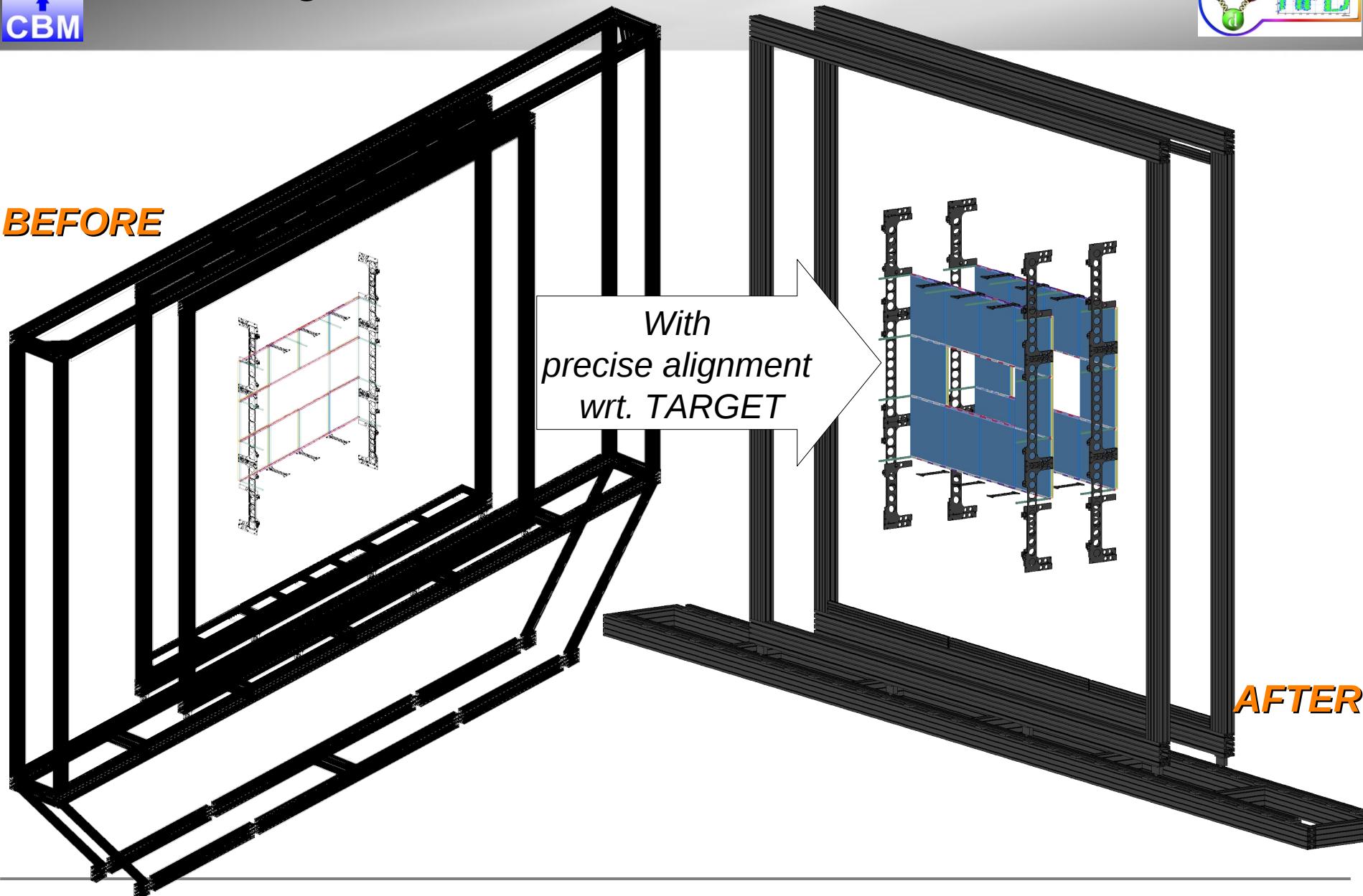


Mounting frame ready for going to experimental hall via elevator and crane

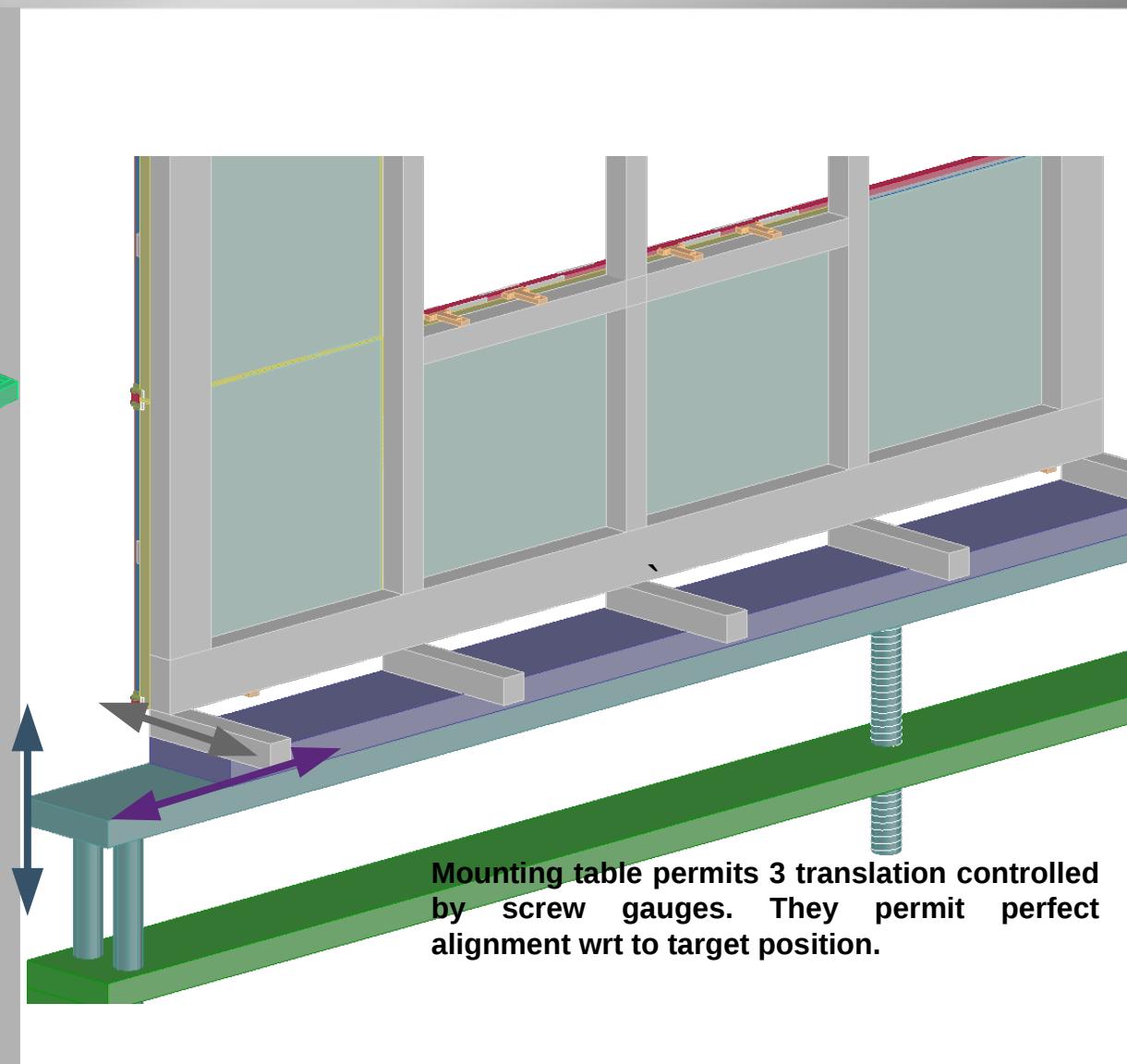
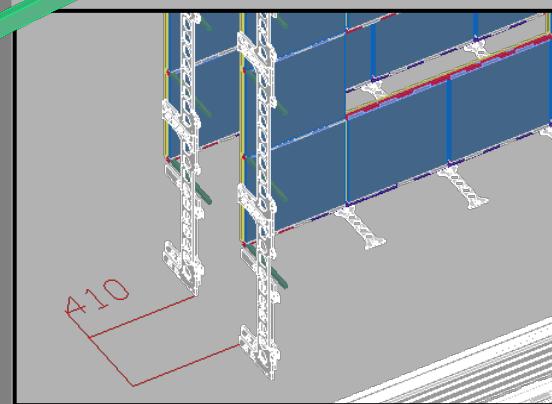
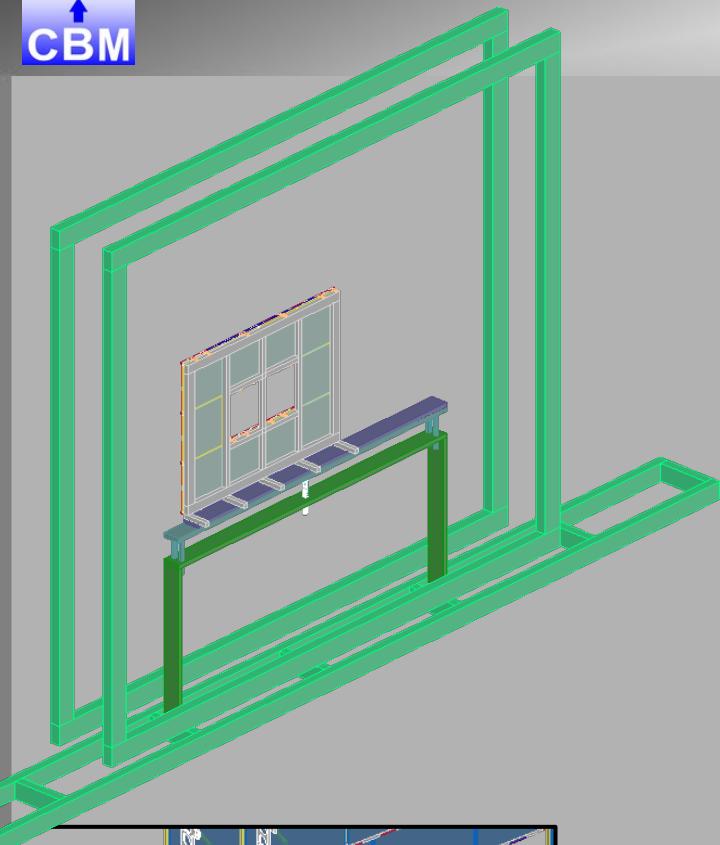


Mounting frame finished during supermodule assembly

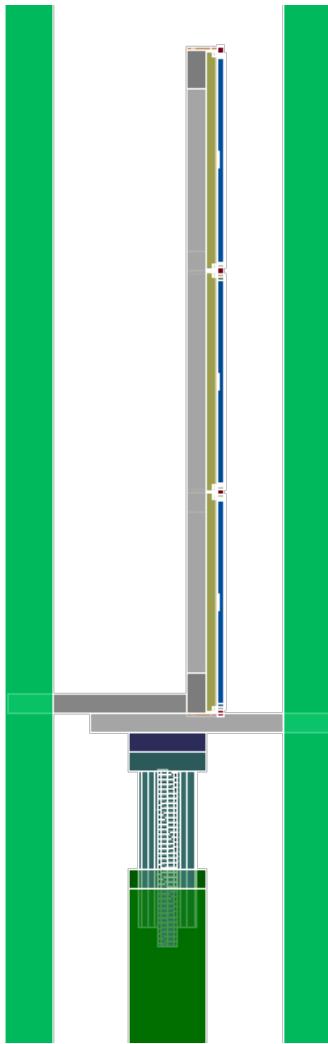
Mounting on the TRD frame



Mounting Table

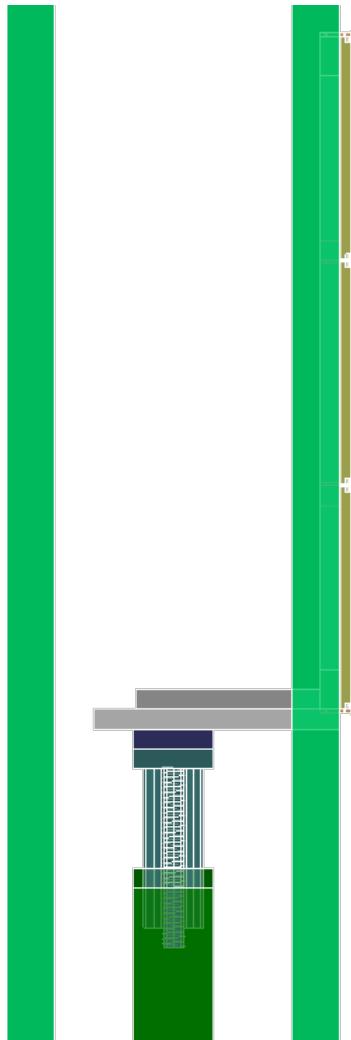


Inserting and extracting the TRD-2D



**Lateral view of the installation system
after adjusting on vertical and parallel
with the TRD frame
And before insertion in the wall**

Inserting and extracting the TRD-2D



**Lateral view of the installation system
after insertion in the TRD frame**

Hanging the TRD-2D in place and fix

Decoupling the connectors

Extract the mounting frame