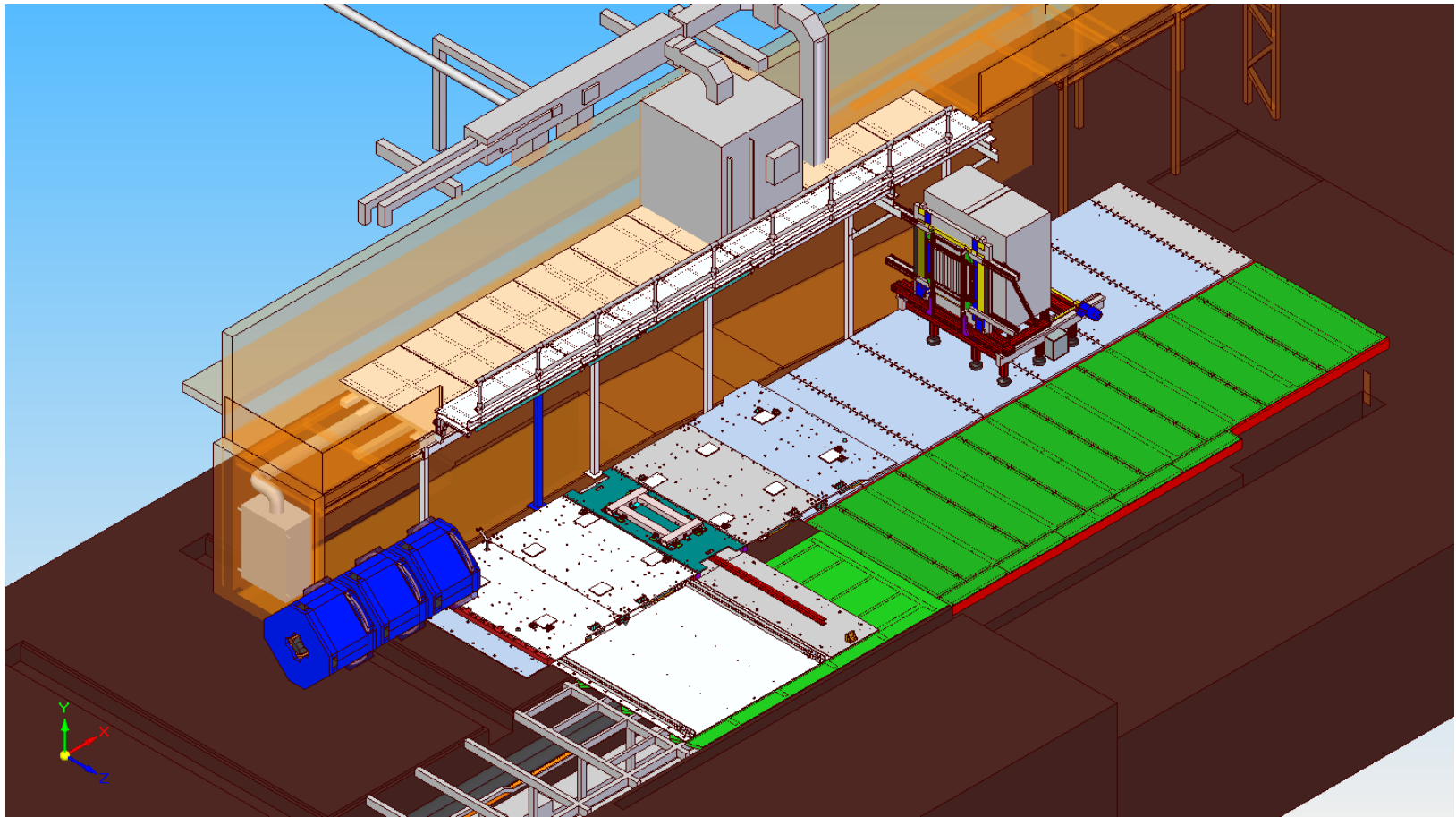


ASSEMBLY PROCEDURE FOR PRY

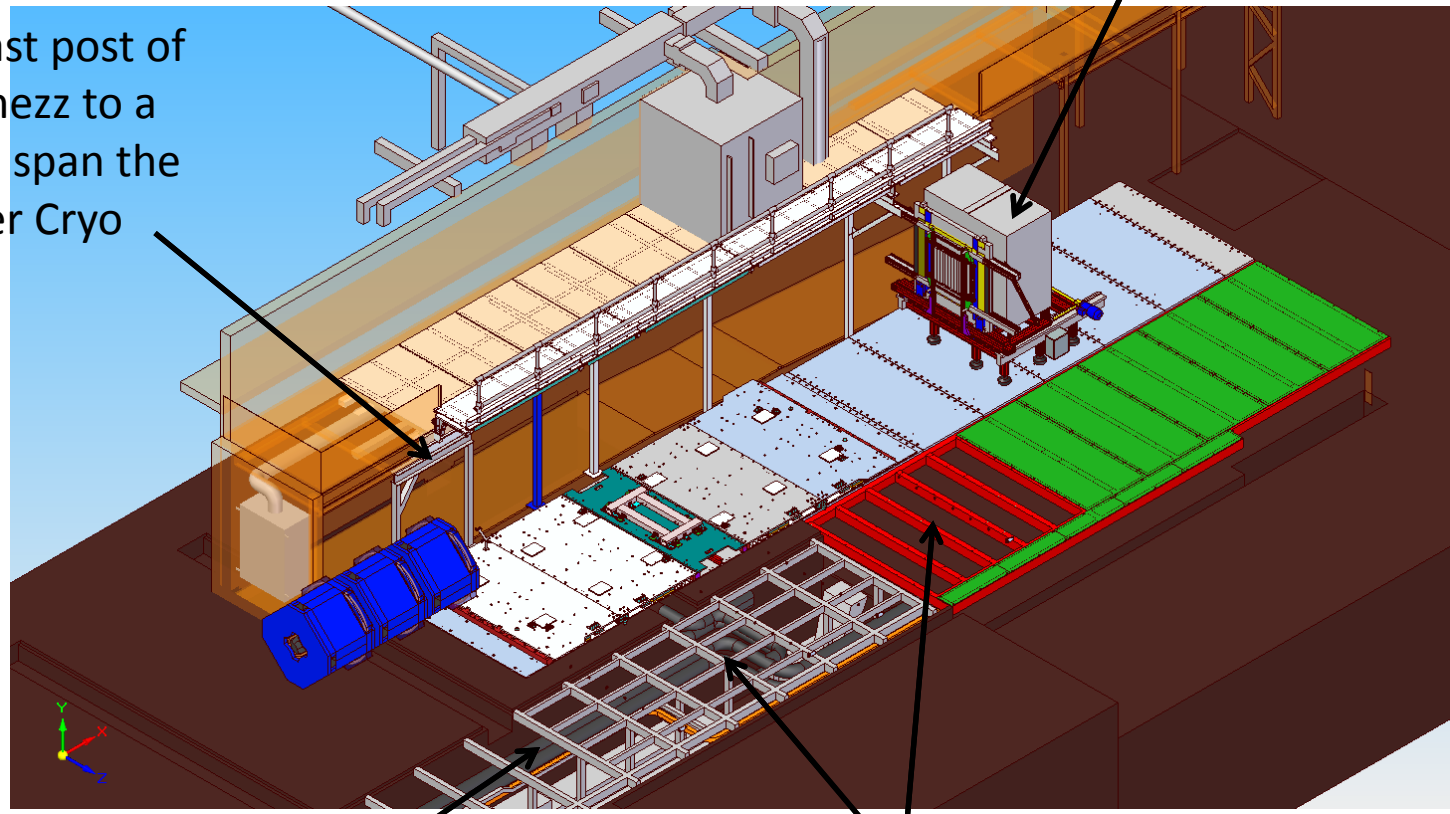
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Mice Hall as it stands Sept 2013
(TD-1189-1697)

KL / EMR might be removed completely for safety & access

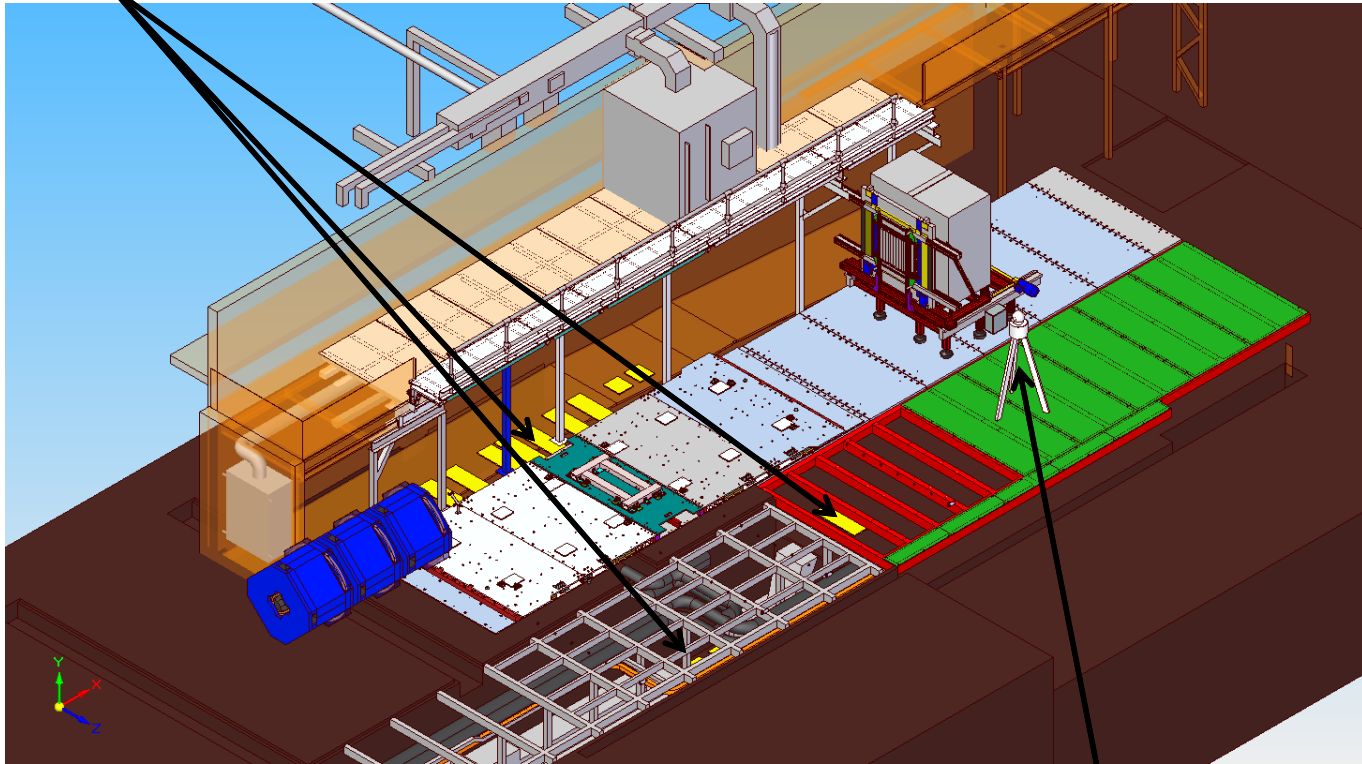
Modify last post of south mezz to a bridge to span the Tracker Cryo



Reconfigure ISIS cable services to sit tight to trench wall (within 200 mm)

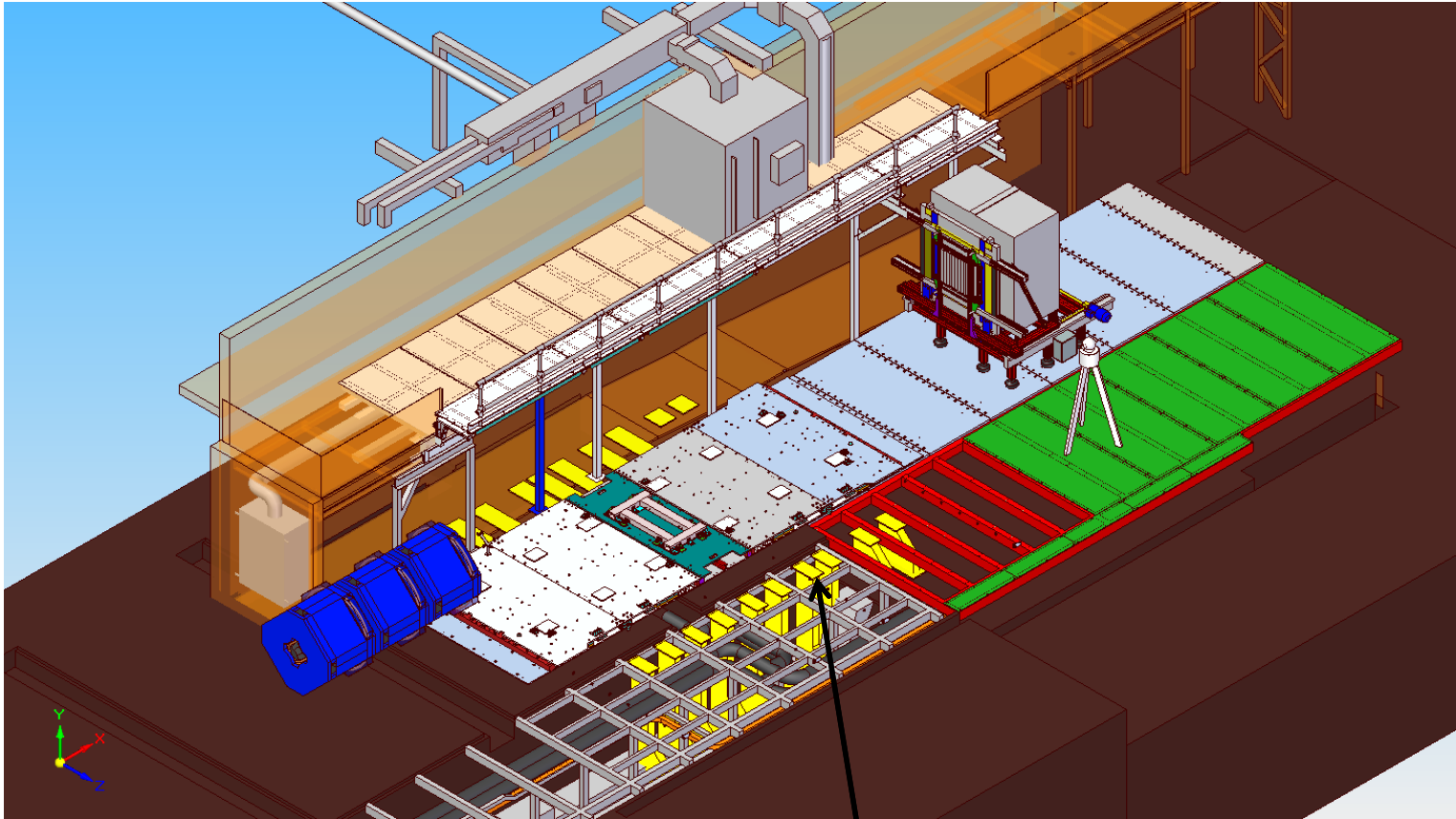
Remove offline moving platforms and flooring to expose sub-floor & trench

Yoke foot pads*

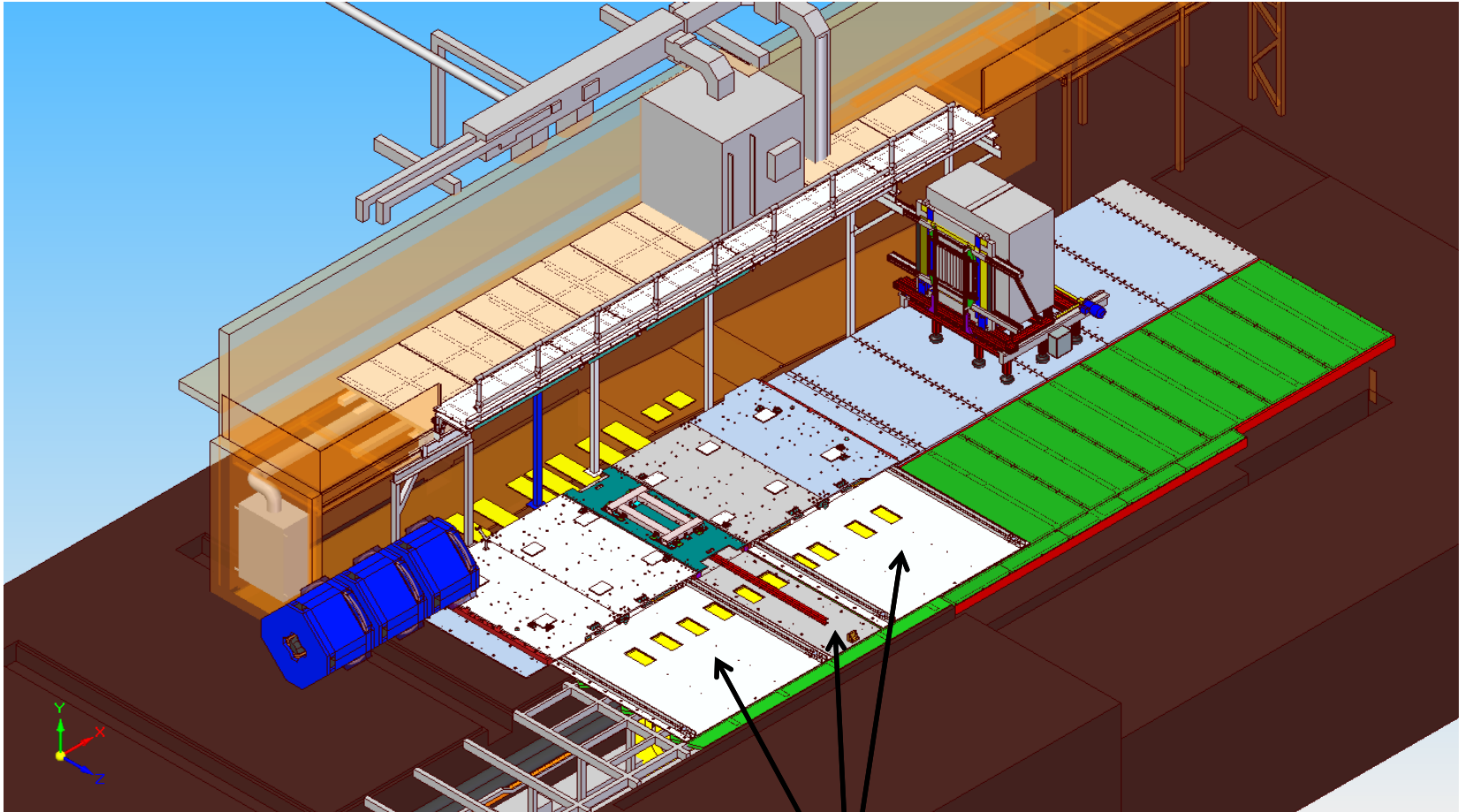


Use laser tracker to locate yoke foot pads before grouting into place = accurate placement for yoke

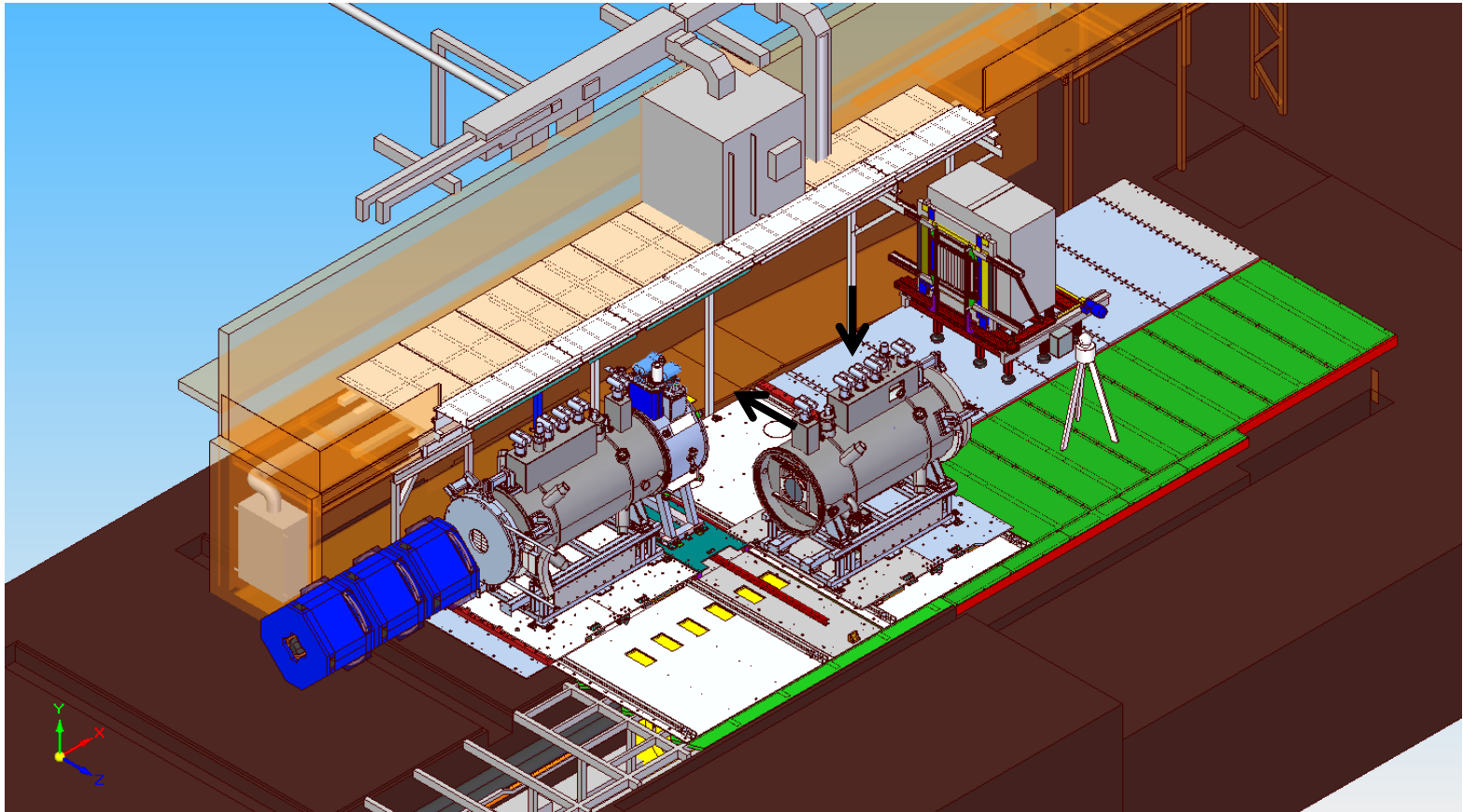
* Some of the raised concrete flooring under the south mezz is of poor quality and strength so may have to be cut away to stronger sub-floor where the footplates can be more securely installed, this would affect the length of the support legs! (TBD)



Fit north side lower legs (note some services or structure may need to be reconfigured to allow the legs to fit)

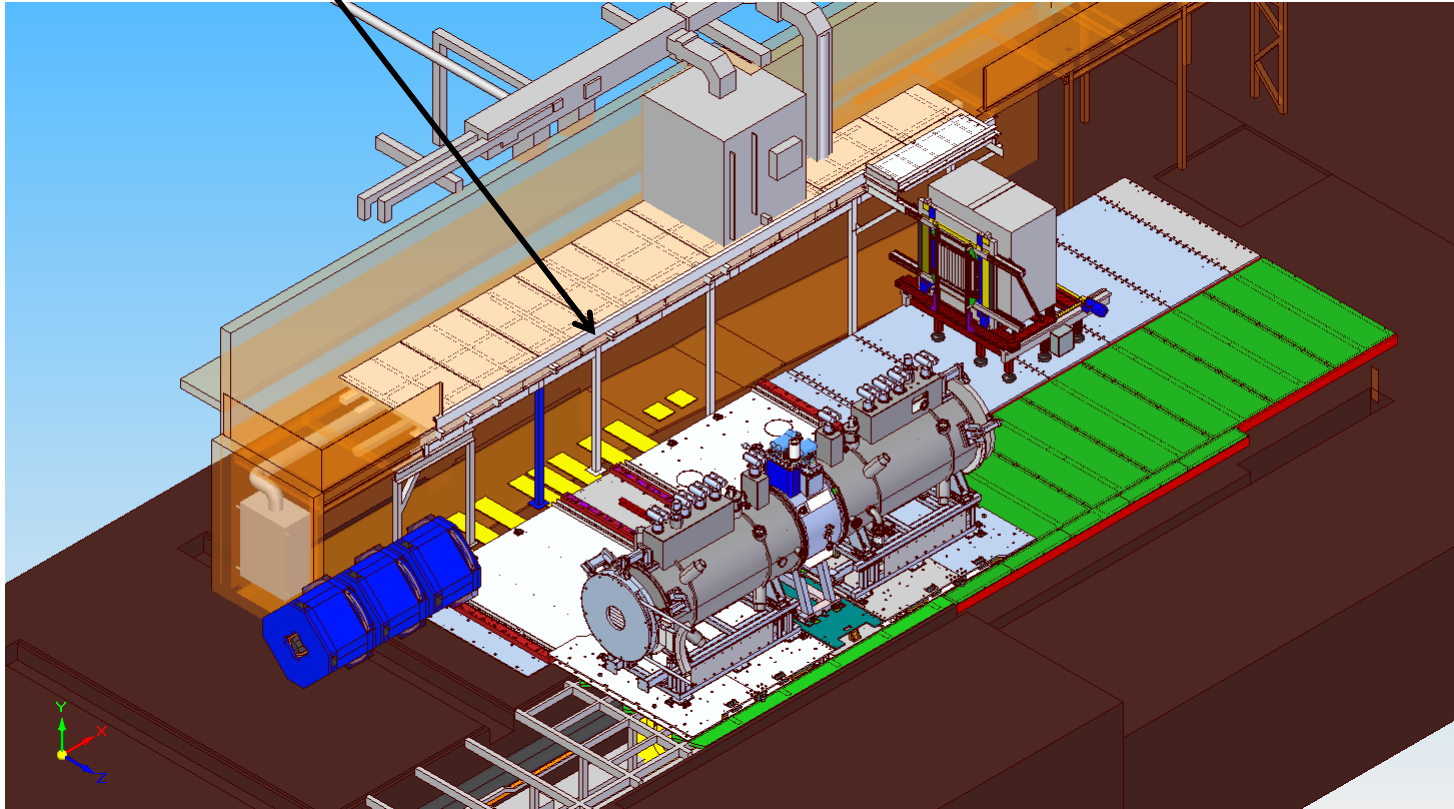


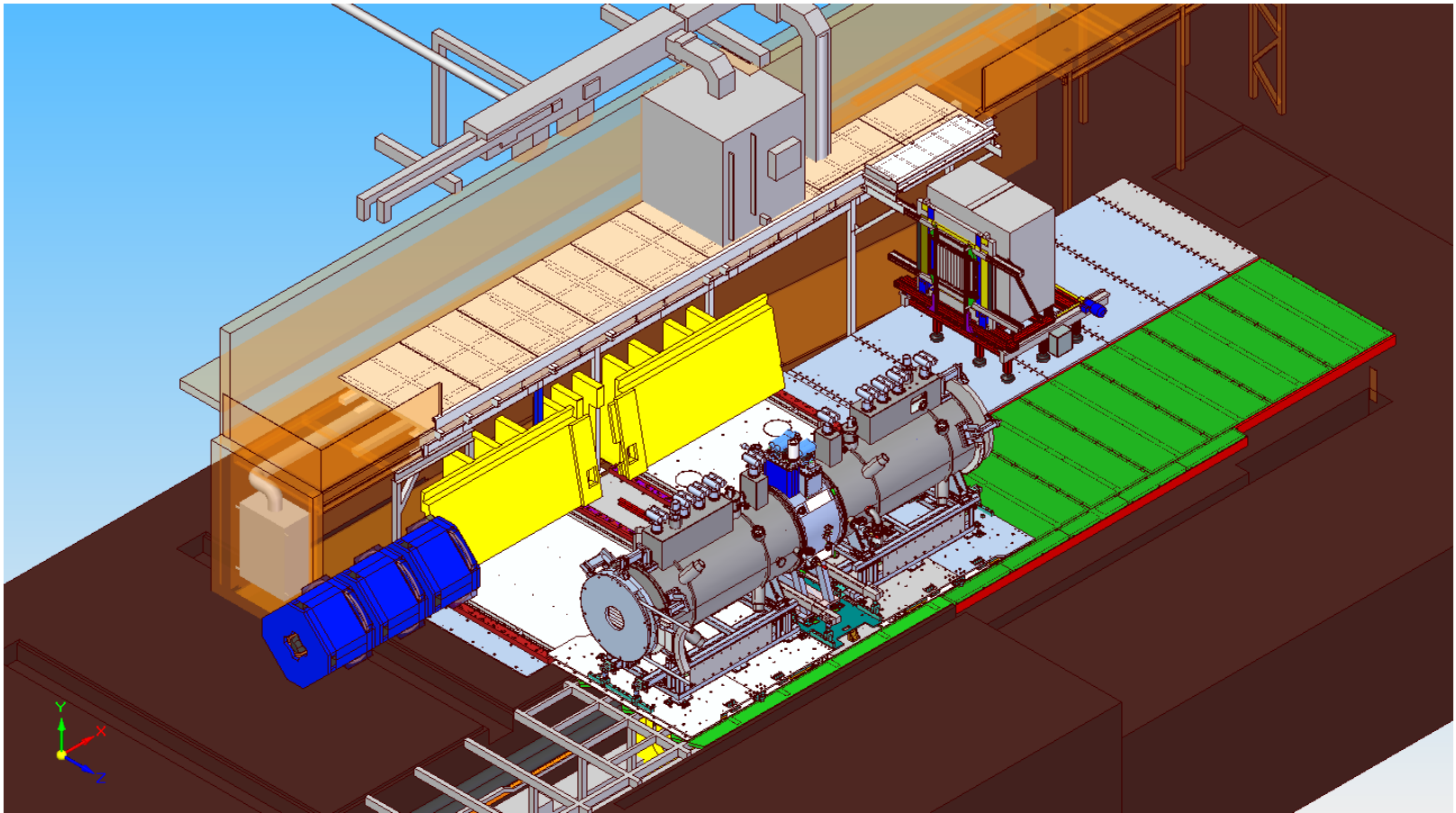
Fit new 20 mm offline plate / trench
roof (cut with apertures aligned with
the north lower legs)



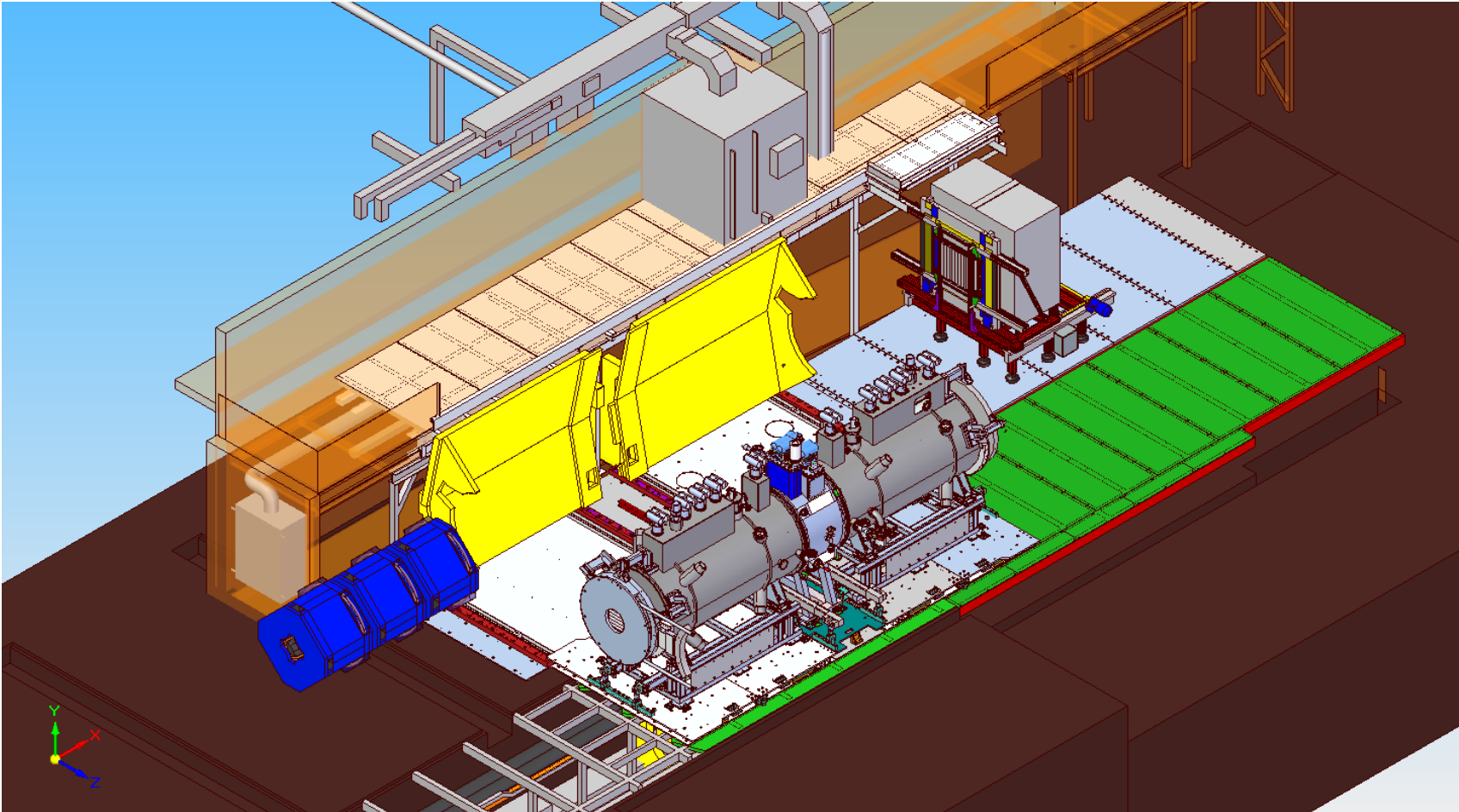
Devices can be added and surveyed into place at this point (or any point from herein) but NOT connected via the bellows. Note that the apertures in the offline moving platforms will need to be filled (not shown), especially for the air platforms for operation.

Remove 4x platforms, cut back beams and remove diagonals,
add 8" riser beam



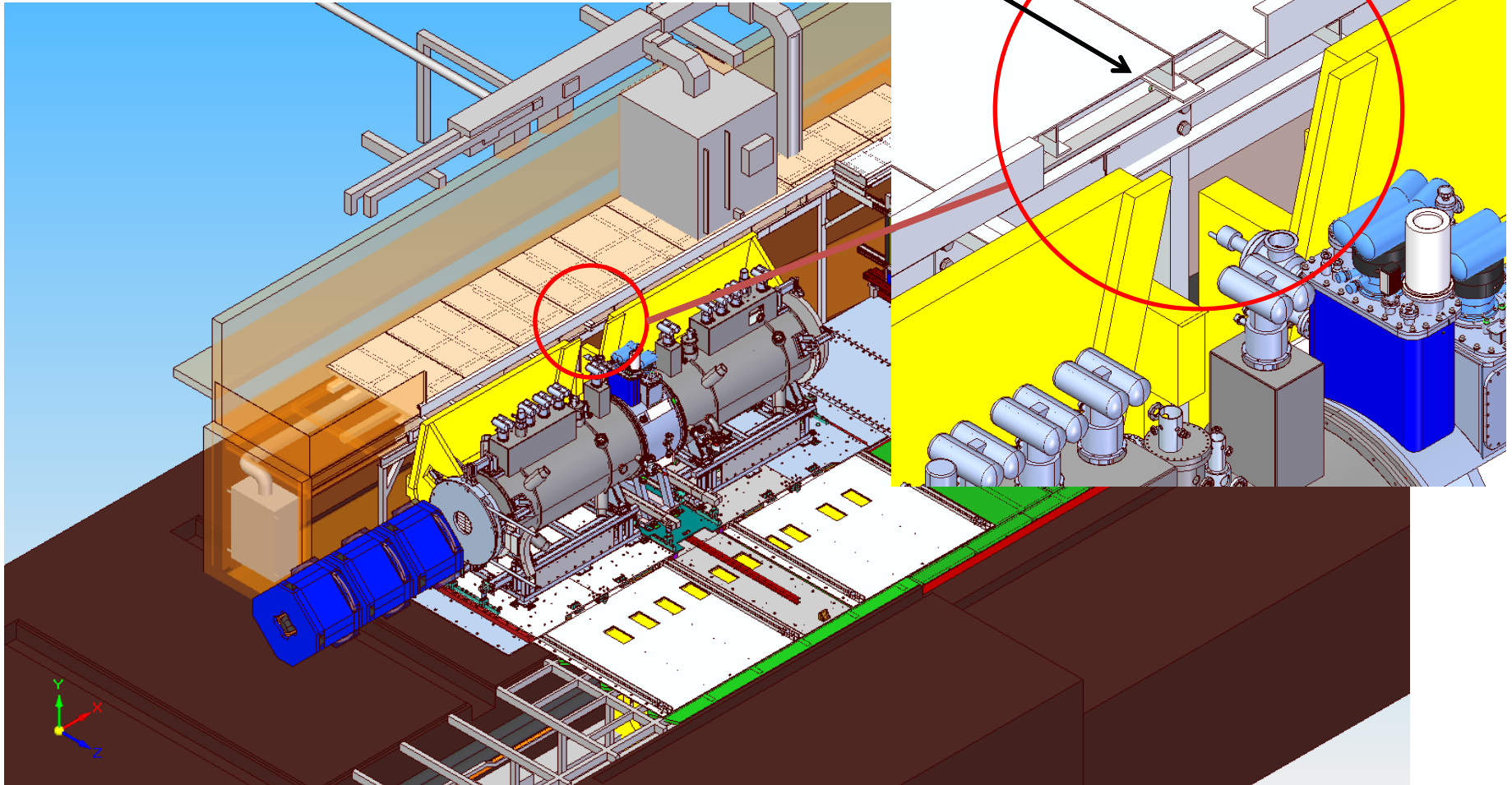


Devices moved offline individually. South east and south west lower PRY added along with legs of south middle section and lower doubler plates (need to optimise legs & doubler size for access to AFC & bellows for initial assembly and future maintenance / absorber changes)

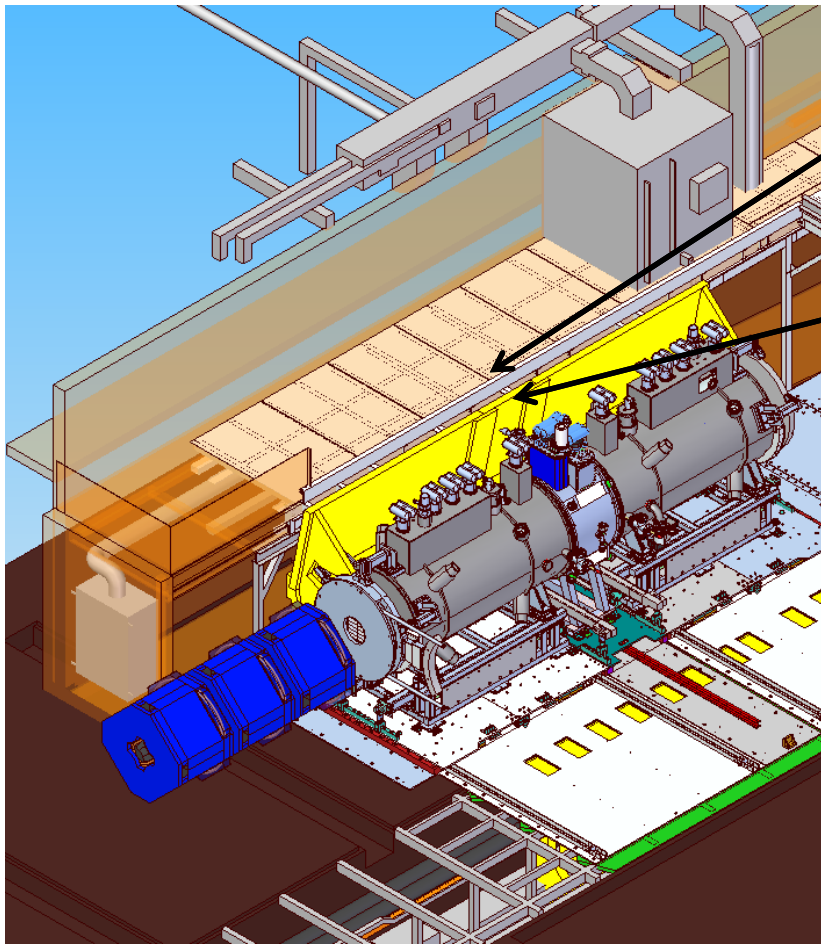


Add upper south sides and inner upper doublers (NOT outers) and the Virostek plate connections

Small removable section
required for middle plate
assembly (next slide)



Move devices to online position. Note that the SS tie-down turnbuckle will have to be temporarily removed so that the beam fits through the aperture in the south side wall (& later north side wall), at this point the '[' & ']' shaped in-fills can be cut to fit neatly round the beam. The bellows between the devices can now be expanded and fastened.

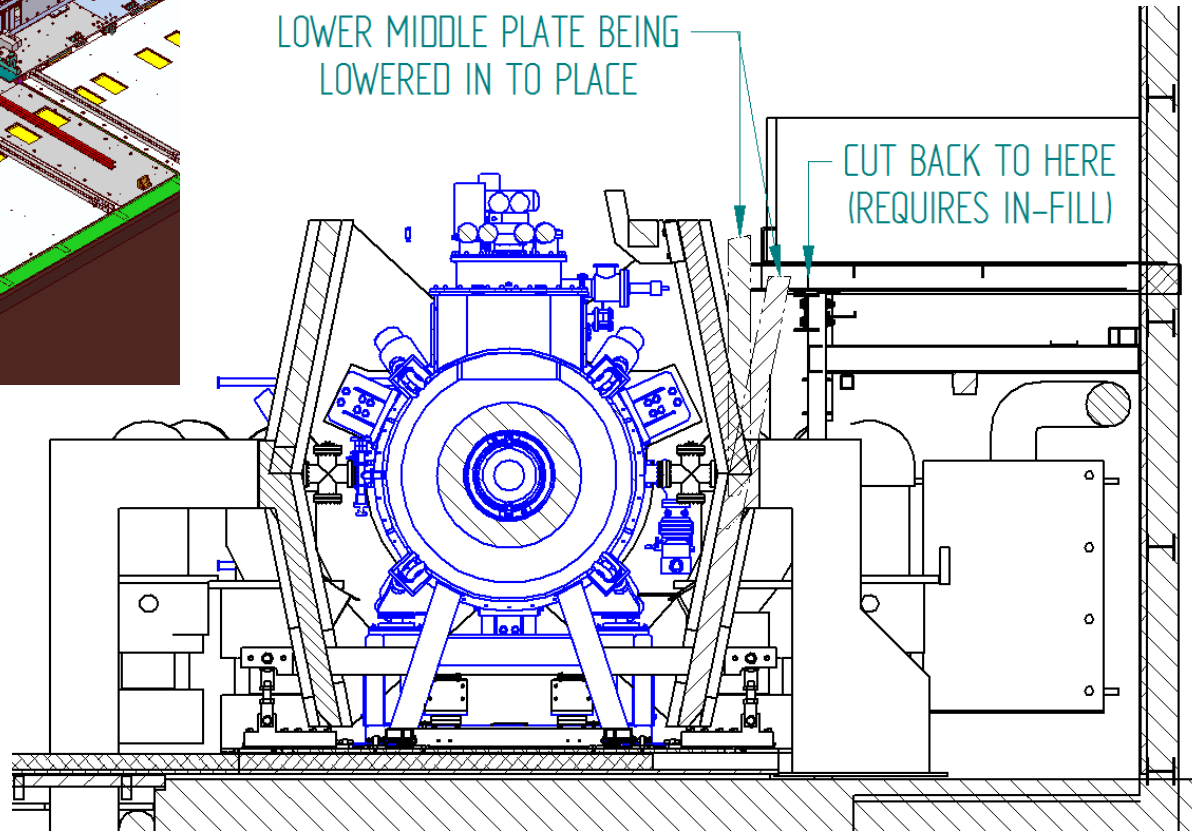


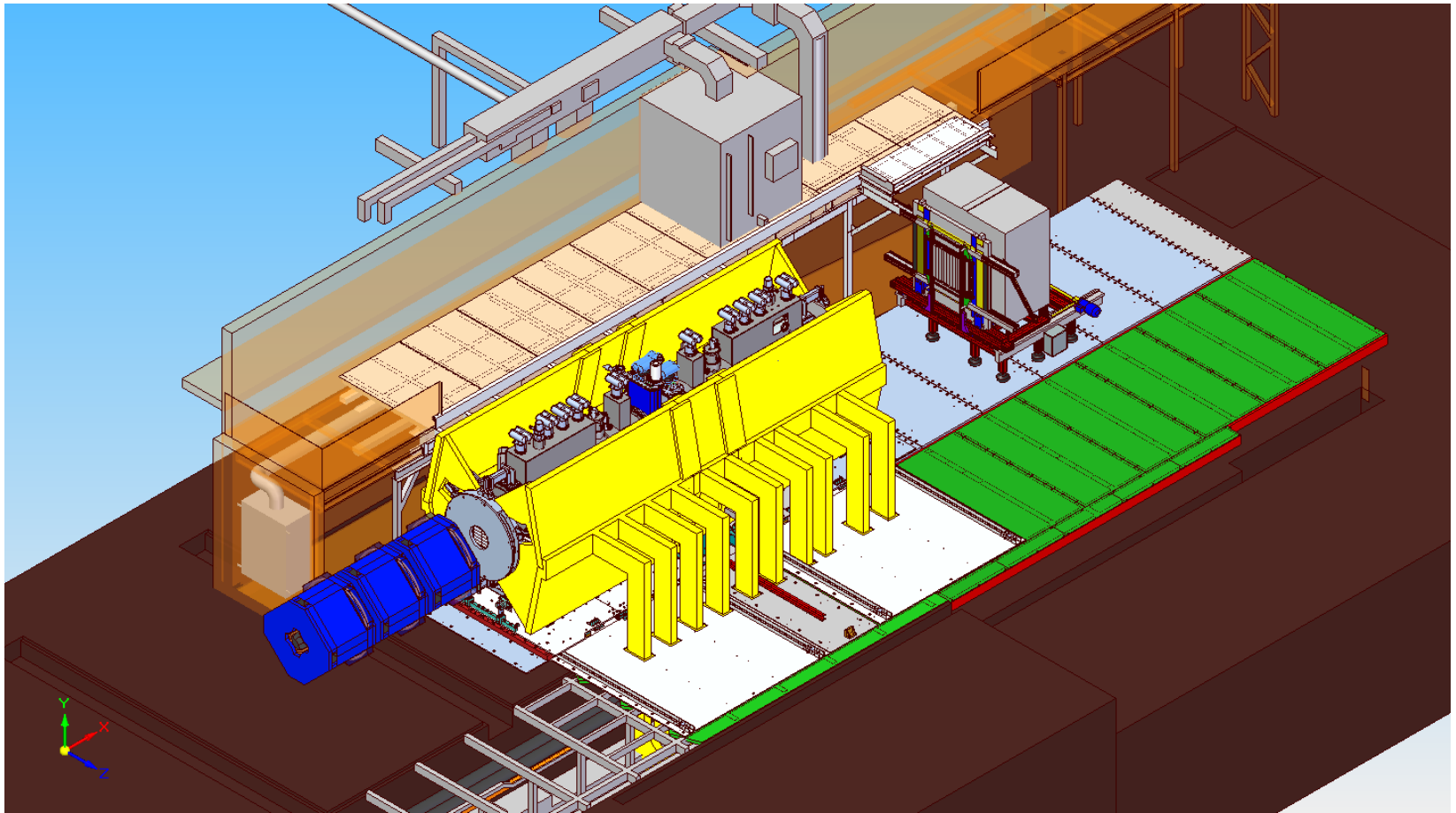
Replace south mezzanine section with in-fill

South side middle section plates can be added using the doublers to guide them into place then fastening to the already assembled legs

LOWER MIDDLE PLATE BEING LOWERED IN TO PLACE

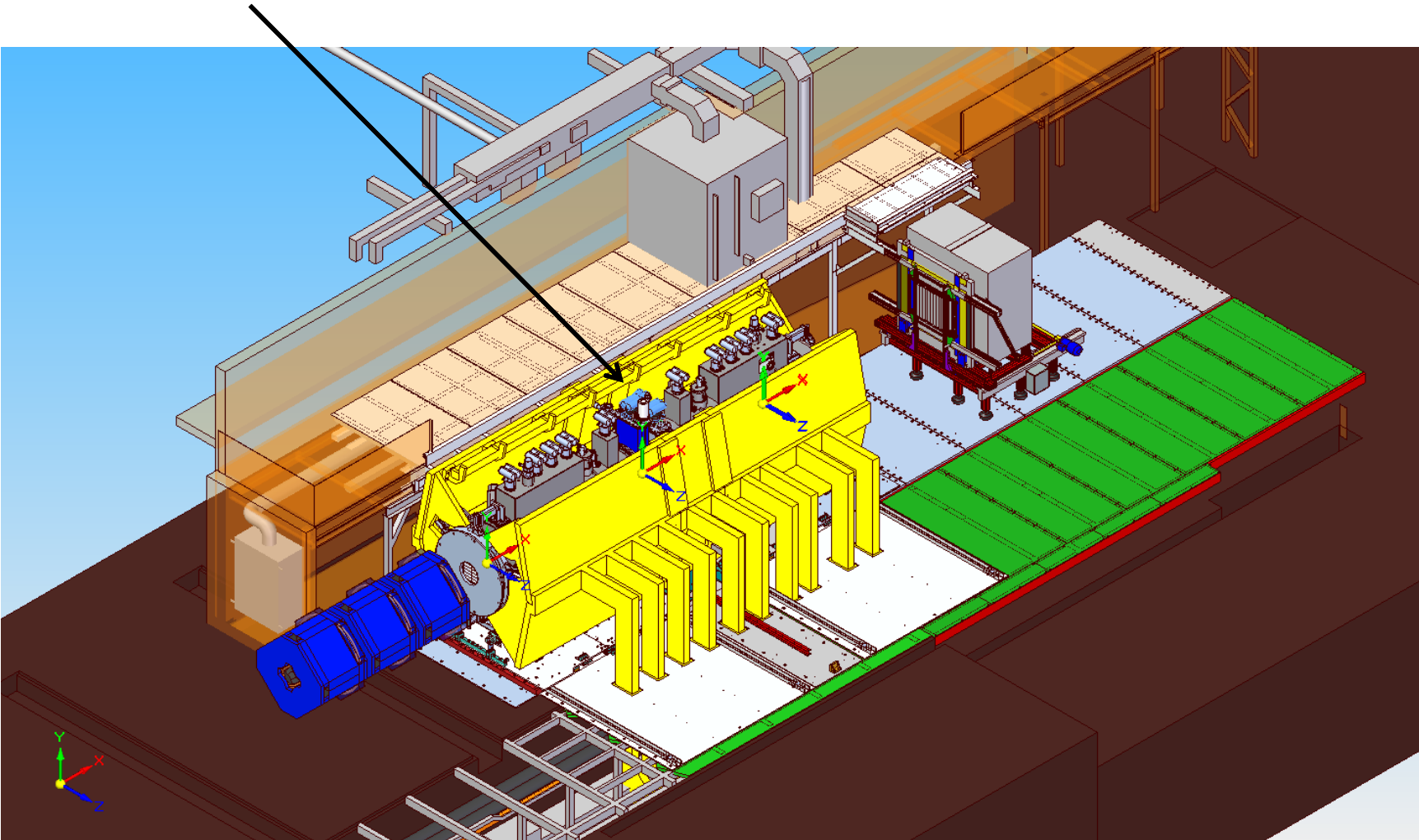
CUT BACK TO HERE (REQUIRES IN-FILL)



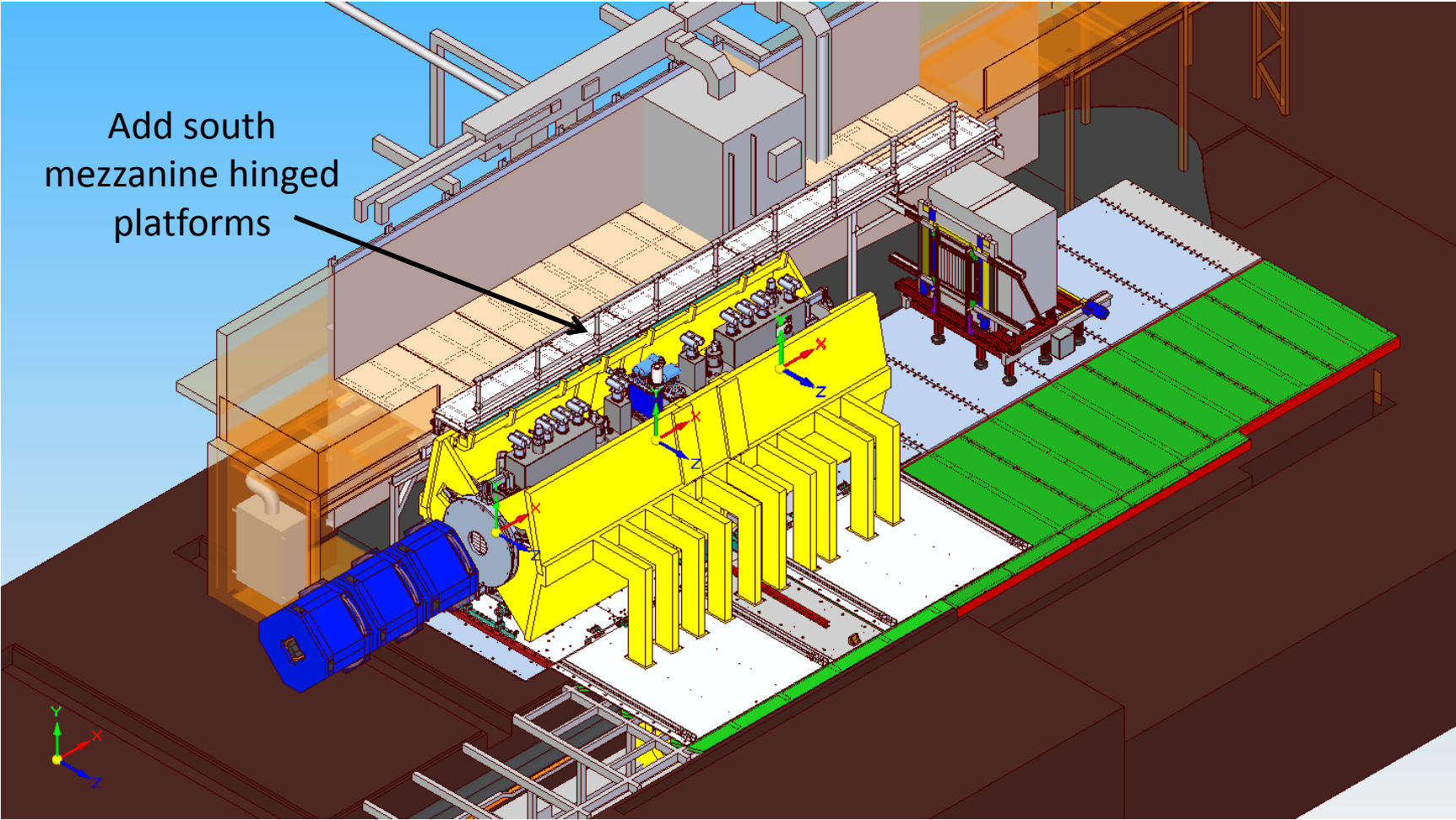


The north side of the PRY and the north Virostek plate connections can be installed.

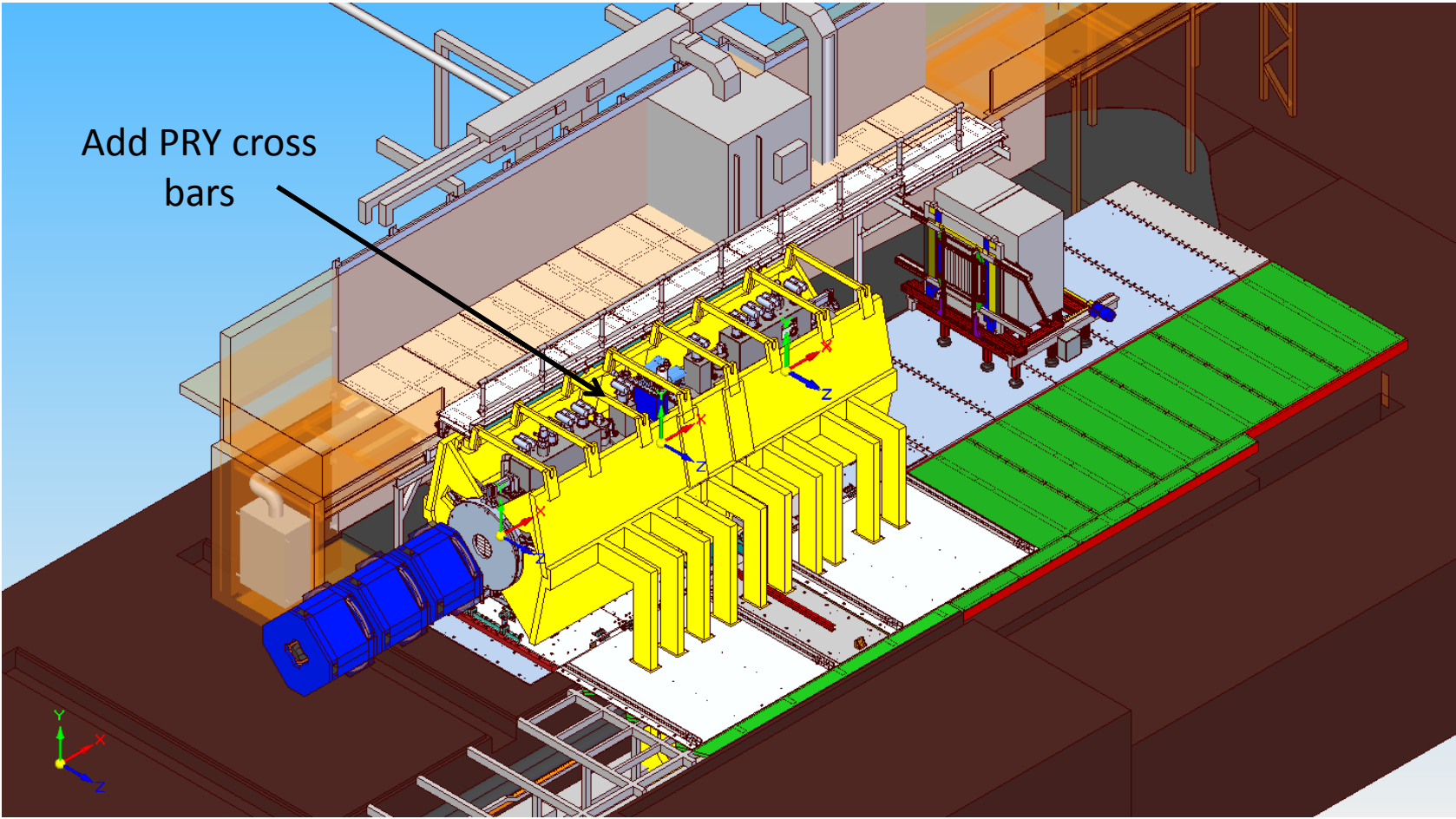
Add cross bar brackets and the south mezzanine hinged platform support bar



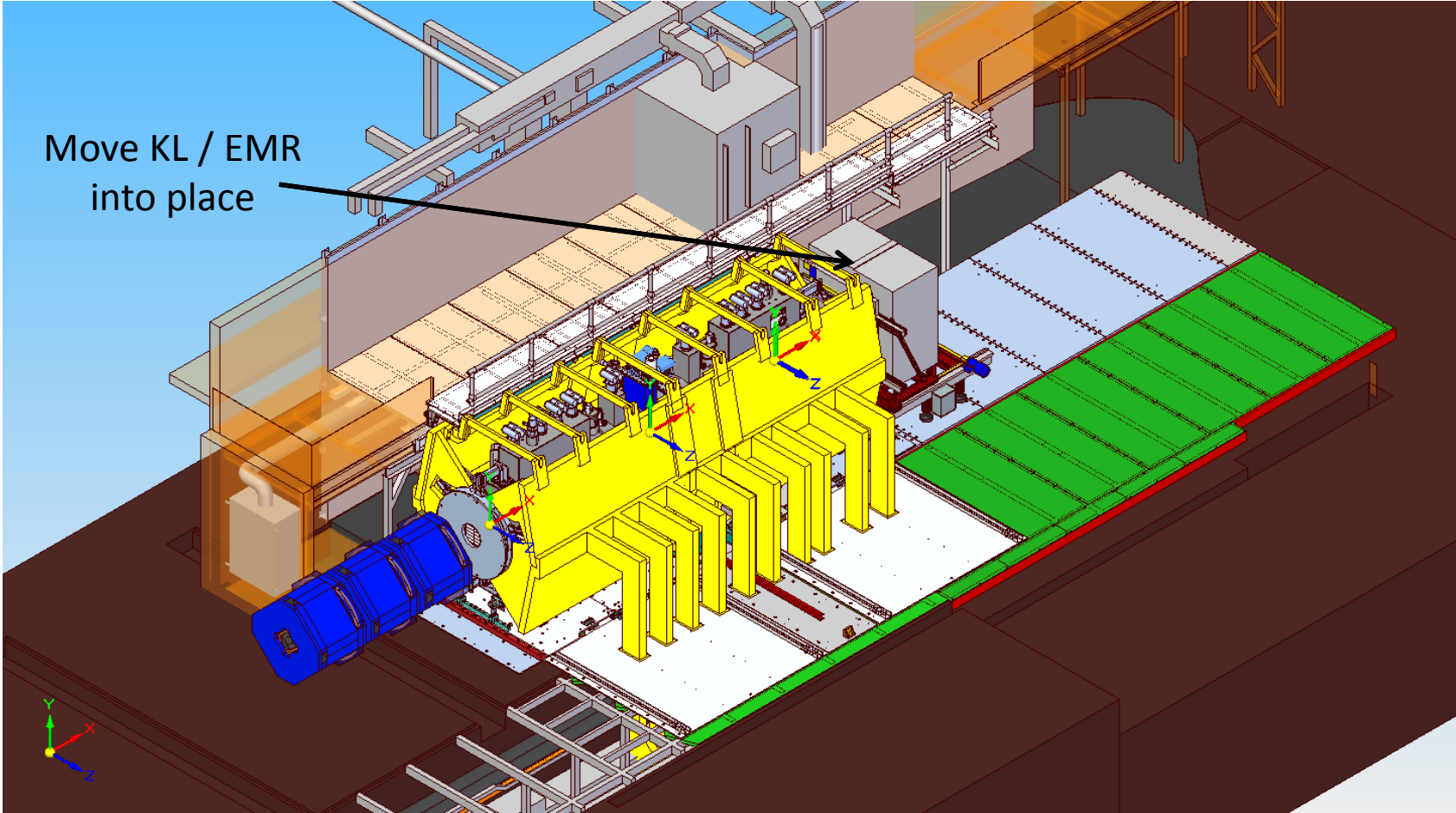
Add south
mezzanine hinged
platforms

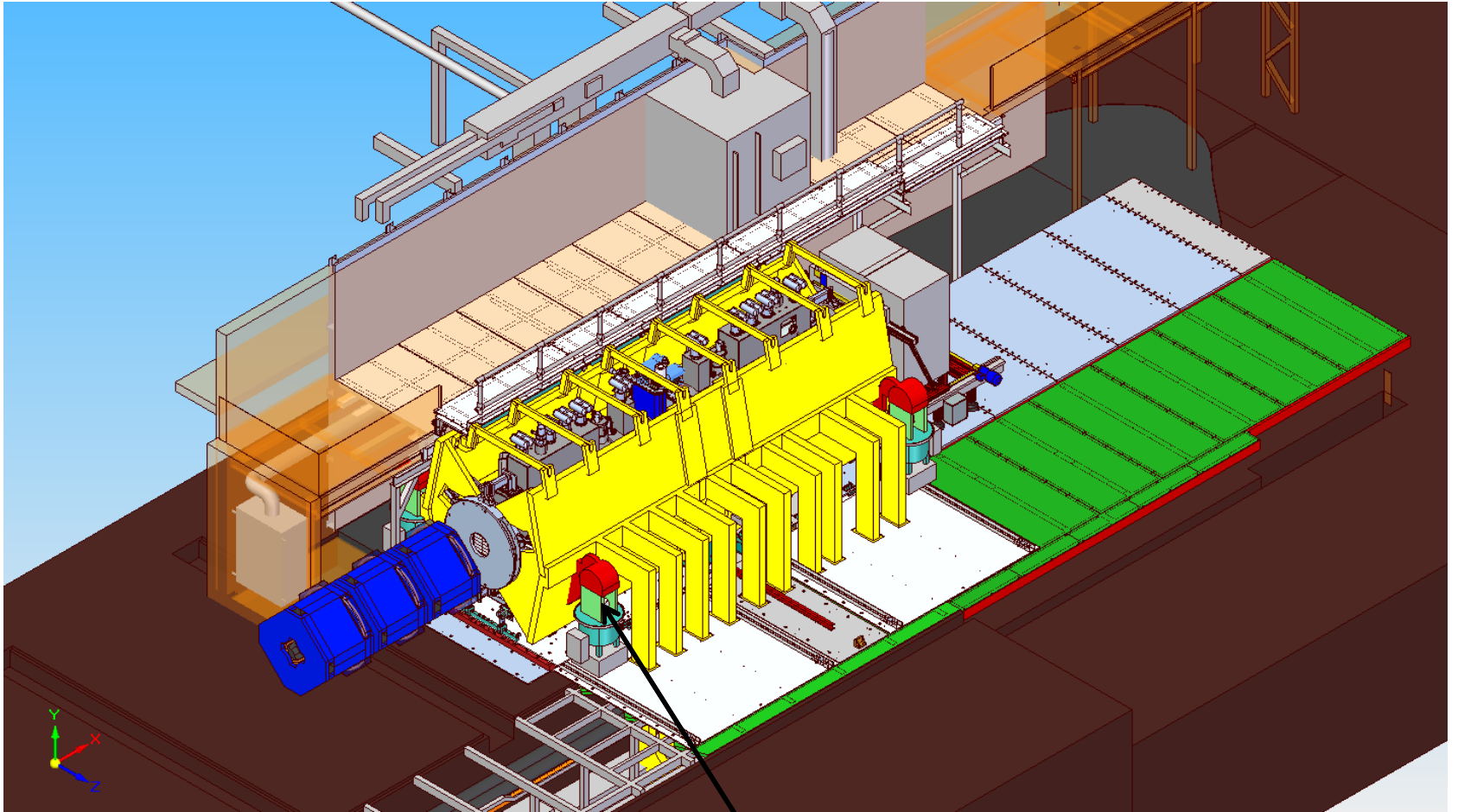


Add PRY cross bars

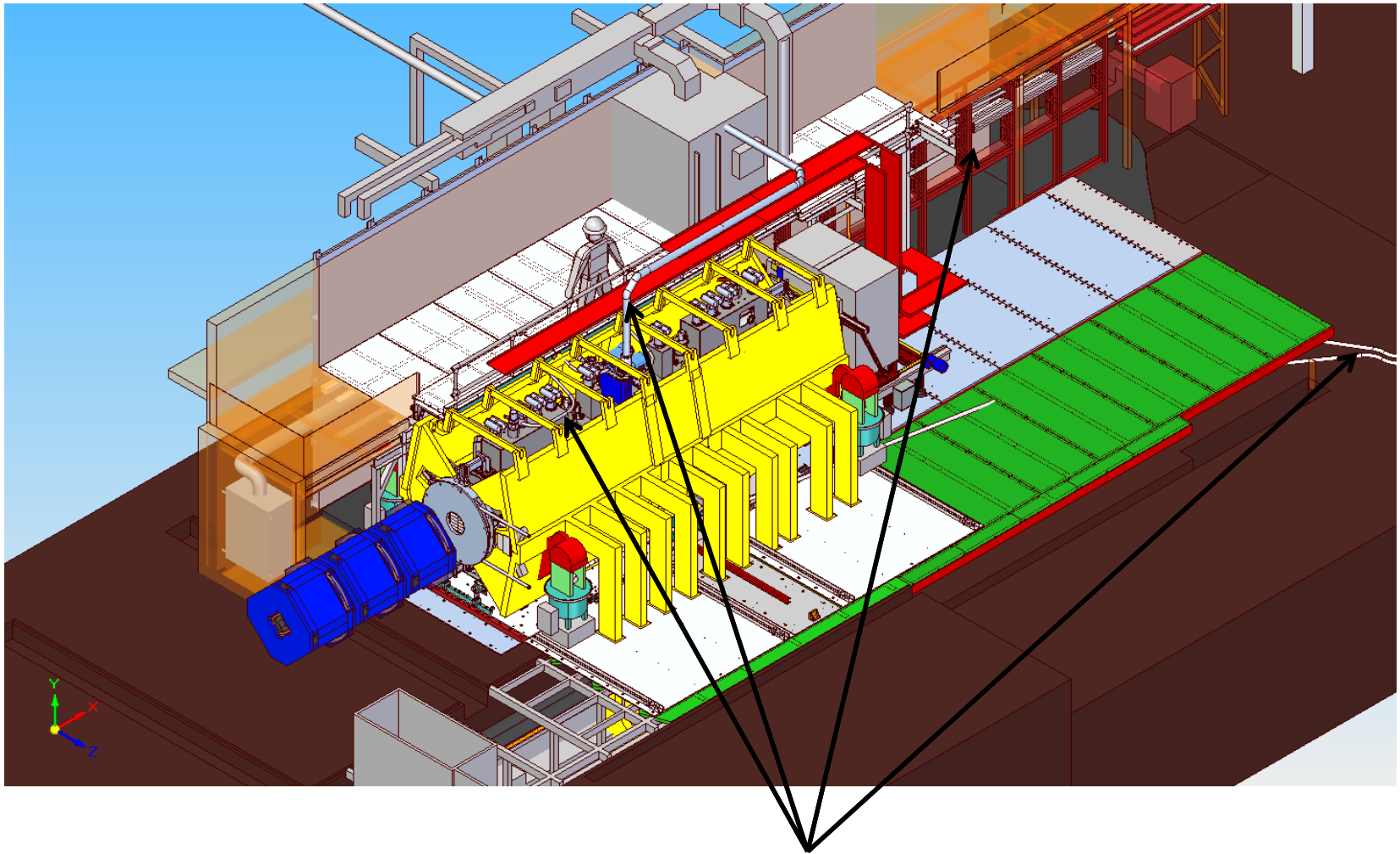


Move KL / EMR
into place





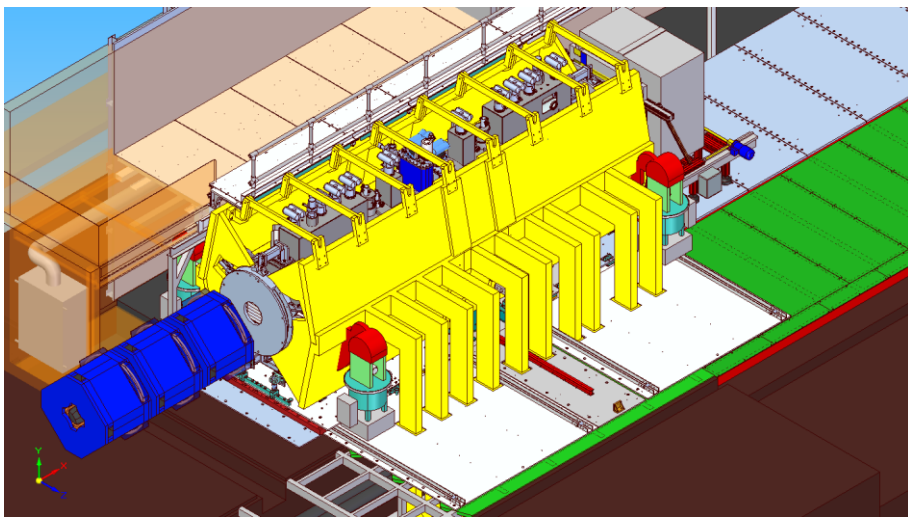
Tracker Cryo



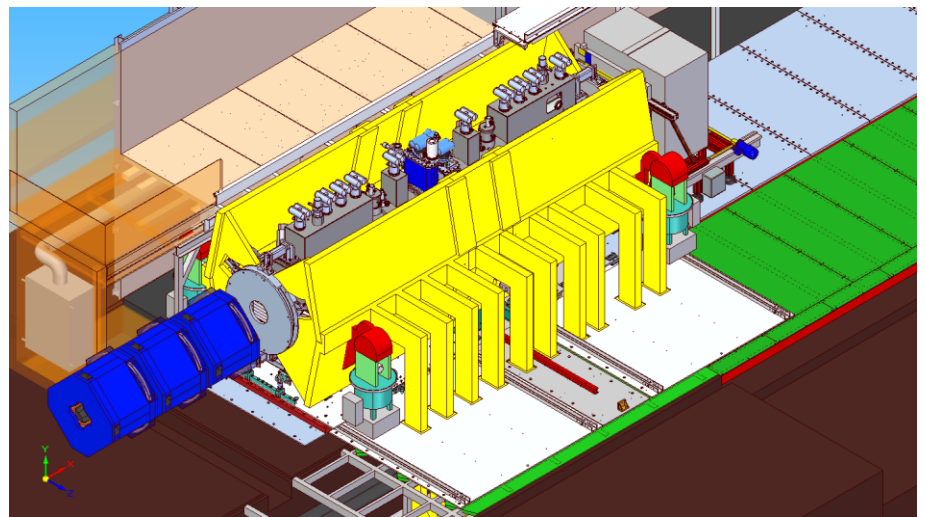
Assemble services

ABSORBER CHANGE PROCEDURE

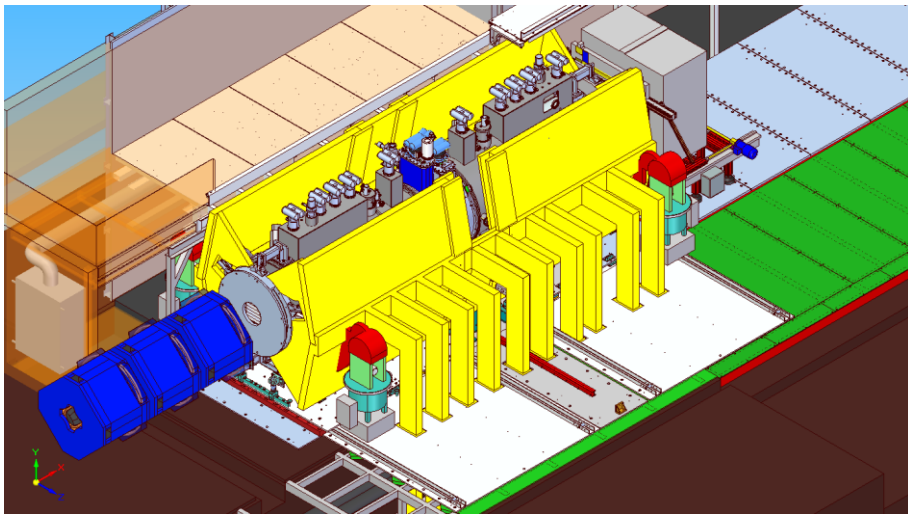
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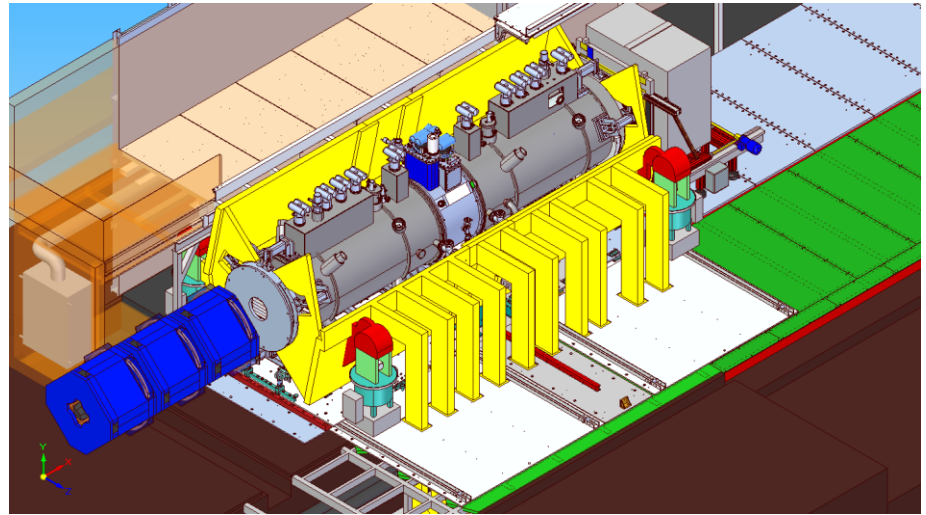
- REMOVE SERVICES [5 days, esp. with H2]



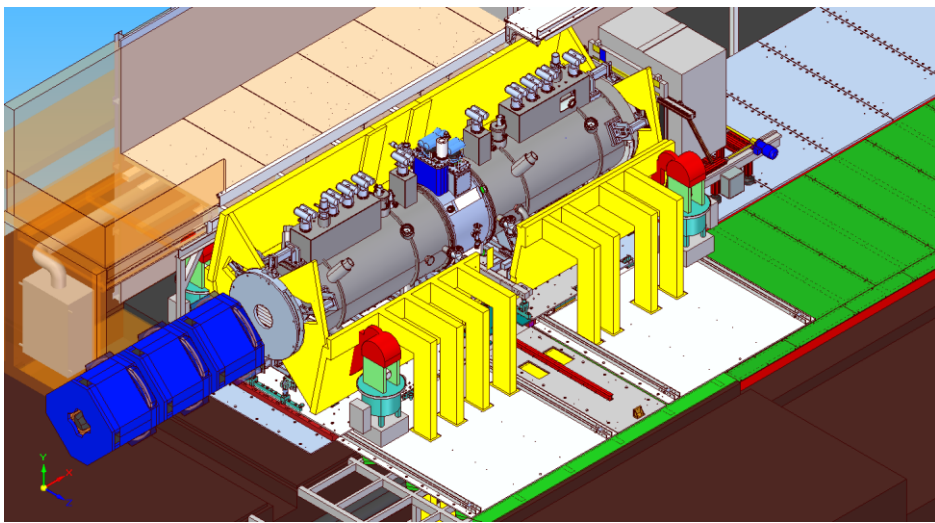
- REMOVE PRY CROSS MEMBERS [0.5 days]
- REMOVE HINGED PLATFORMS [1 day]
- REMOVE PLATFORM SUPPORTS [0.5 days]



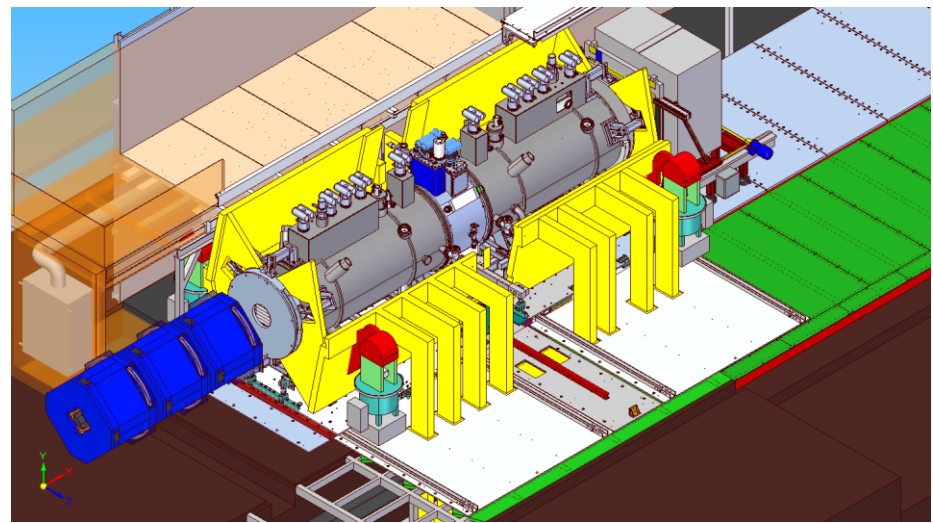
- REMOVE NORTH MIDDLE UPPER PLATE [1 days]



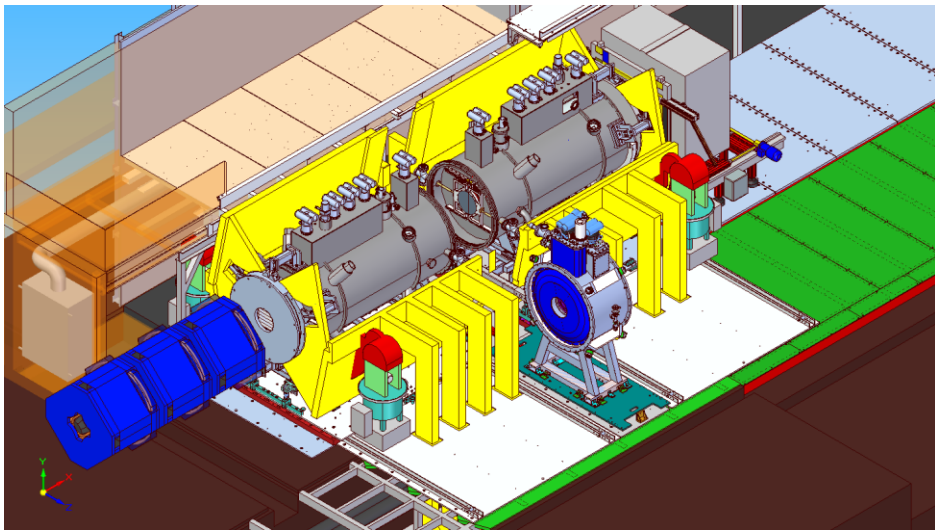
- REMOVE NORTH EAST & WEST UPPER PLATES [2 days]



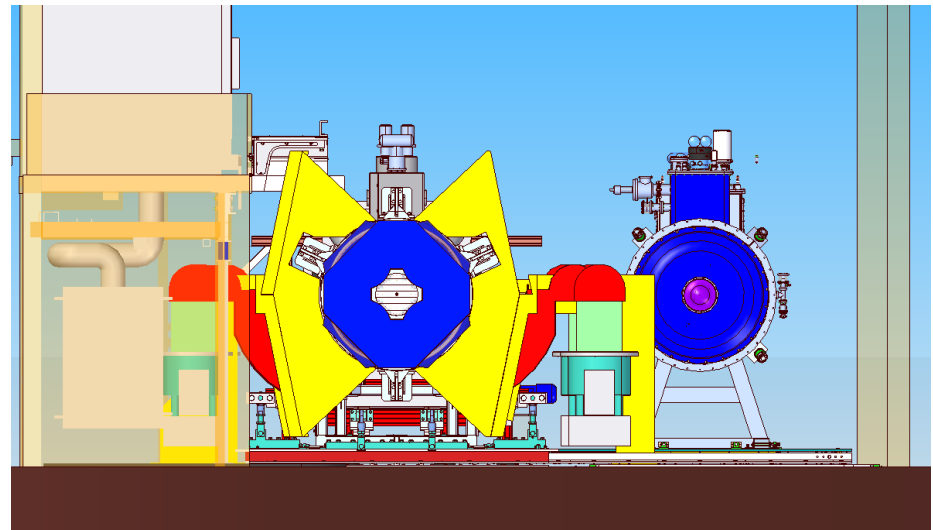
- REMOVE NORTH MIDDLE LOWER PLATE [0.5 days]



- REMOVE SOUTH MEZZ IN-FILL THEN REMOVE SOUTH MIDDLE UPPER & LOWER PLATES [1.5 days]
- DISCONNECT & FASTEN BACK BELLOWS [1 days]



- PULL AFC OFFLINE TO CHANGE THE ABSORBER [1 days]
- CHANGE THE ABSORBER [? DAYS]
- REVERSE THE PROCESS ONCE CHANGED [~14 working days]



- VIEW LOOKING FROM EAST END TO SHOW THAT THE AFC IS SLIGHTLY OBSCURED BY THE PRY LEGS