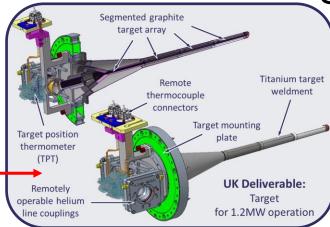
- Targetry
 - Includes

Target

Baffle



- Helium gas cooling system for target
- Remote handling for target
- AD Recent Work
 - Support UKRI/RAL for Target, Baffle,
 & Cooling System
 - Understanding code compliance
 - Procurement Readiness Review for UKRI Cooling System components

- Horns
 - Includes





- Stripline Block
- Utilities penetrations



- AD Recent Work
 - Design/Drawings/Review of Horns B and C inner & outer conductors
 - Horn A prototype assembly
 - Procurement continues
 - Some re-design as needed
 - Design/Drawings/Review of modules and their drive systems

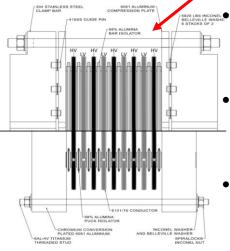


- Horns Power Supply
 - Includes
 - 32 cell system (16 cabinets) to provide current
 - One supply for Horn Test Stand and another for LBNF Target Station
 - AD Recent Work
 - Single cell prototype testing is ongoing
 - Final design is complete
 - Procurement for Horn Test Stand
 Power supply has commenced





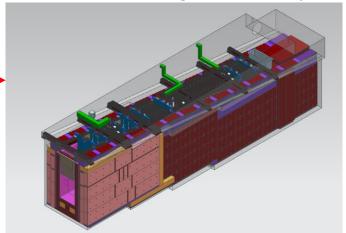
- Includes
 - Electrical Bus for carrying current to horns (in series) from Horns Power Supply
 - 9 conductor layers for 300,000A
- AD Recent Work
 - Finished design/drawings/review of part of stripline where Horns Power Supply connects
 - Finished design/drawings/review of common elements (straights and corners) and stands
 - Starting full design of Horns Test Stand Stripline



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Gollwitzer

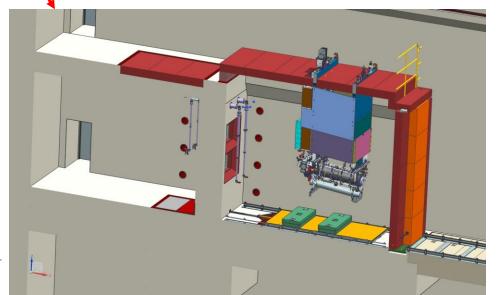
- Target Shield Pile
 - Includes
 - Bulk steel for CF to install
 - Top layer of steel which hangs from bulk shielding
 - Hatch cover system that is gas tight
 - Shielding outside of the hatch
 - AD Recent Work
 - Some support for drafting
 - Work is being done mainly in PPD



- RAW
 - Includes
 - Six RAW systems
 - Two intermediate systems
 - Two water exchange systems
 - One Hydrogen & Argon gas control system
 - Water cooling skid for Horn Test Stand
 - AD Recent Work
 - Four systems are designed
 - Others are at different levels of completeness
 - Gas control system prototype is being assembled
 - Finishing Horn Test Stand water skid design and preparing for procurement

- Remote Handling
 - Includes
 - Outfitting Work Cell with Operations Room and Morgue area
 - Equipment used during remote handling including vision system
 - 8 Shield doors with motorized drives
 - AD Recent Work
 - Working on remote handling procedures and identifying equipment needed
 - Preliminary design of shield doors complete
 - Overseeing ANL group doing 1 final design

- Test Stand
 - Includes
 - Physical Structure to hold horn during test
 - Magnetic probe/measurement system
 - AD Recent Work
 - Steel frame is assembled and in place
 - Await metrology



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