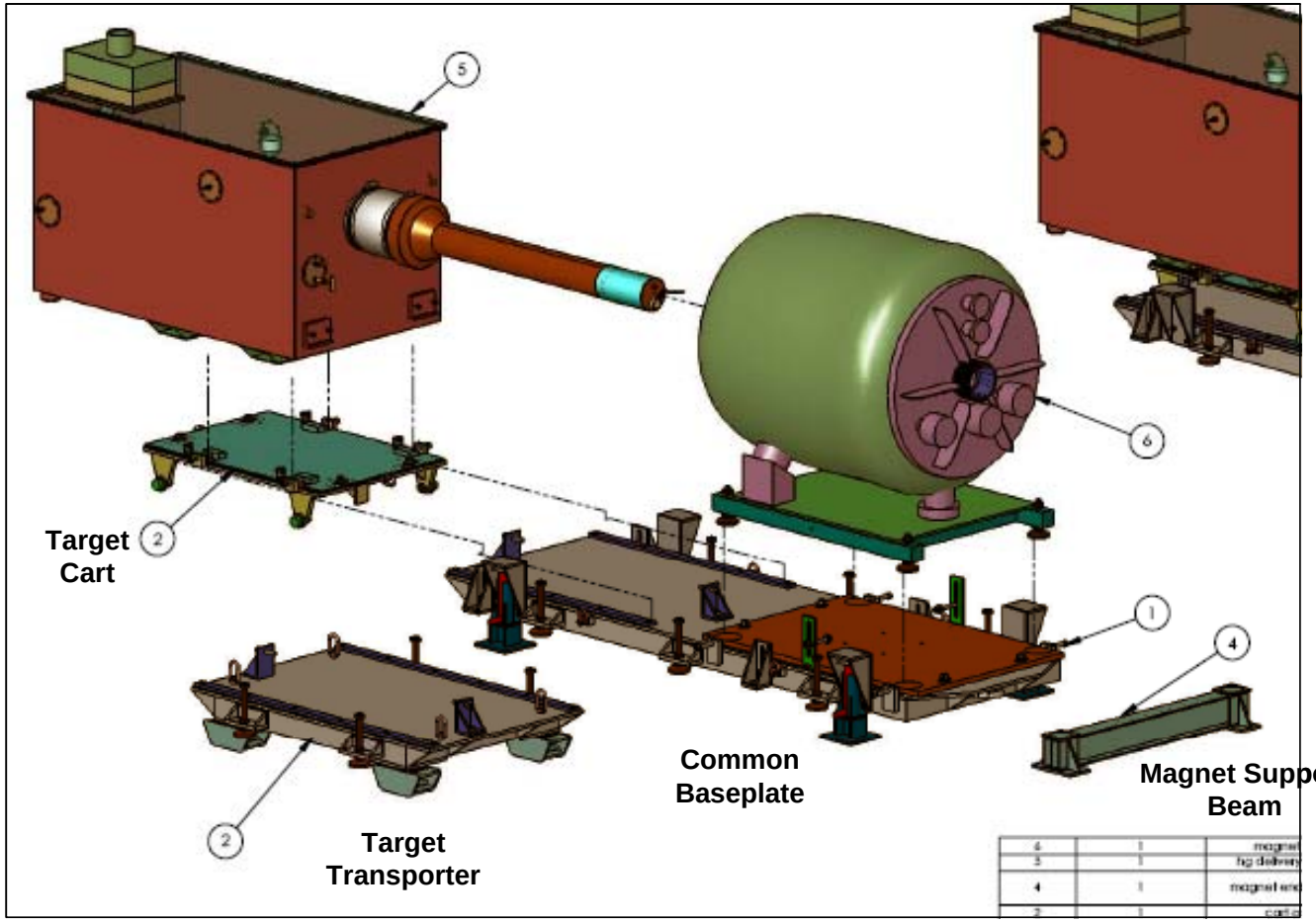
MERIT INSTALLATION

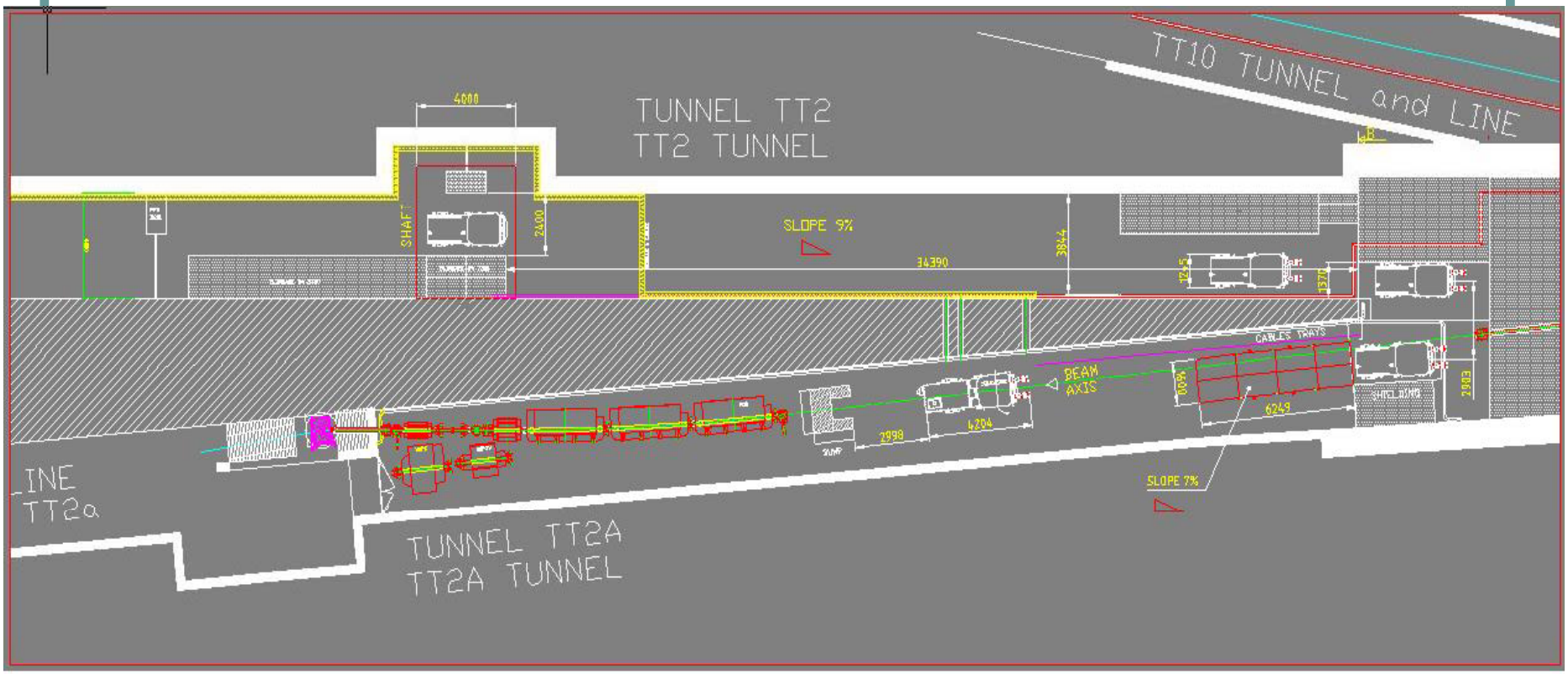


MERIT INSTALLATION

- Total supported weight
  - Solenoid: 5500 kg (12000 lbs)
  - Hg System with 23liter Hg: 1800 kg (4000 lbs)
  - Baseplate: 450 kg (1000 lbs)
- Maximum width of 1.3m (51") to meet CERN facility constraints

MERIT INSTALLATION

- Layout



MERIT INSTALLATION

- Cranes and shaft…

MERIT INSTALLATION

- Solenoid handling with “yellow” cross-bar

MERIT INSTALLATION

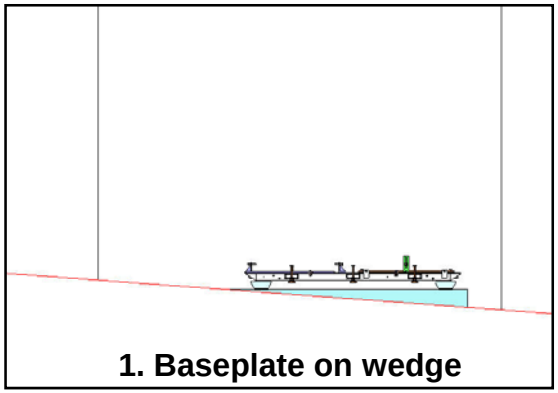
- Mercury loop

MERIT INSTALLATION

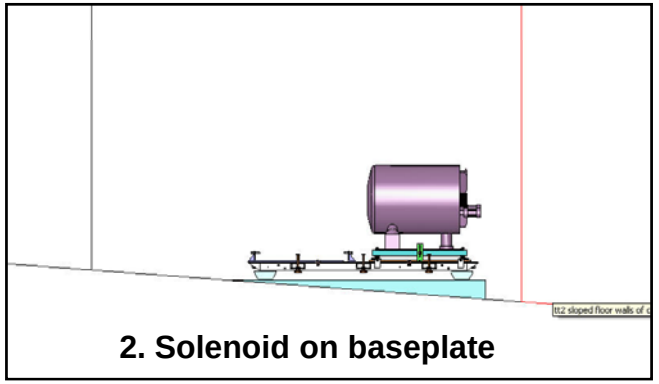
- Mercury loop handling

MERIT INSTALLATION

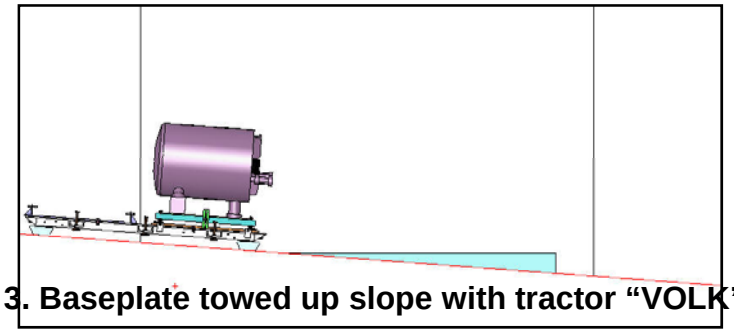
- Placing solenoid on the baseplate



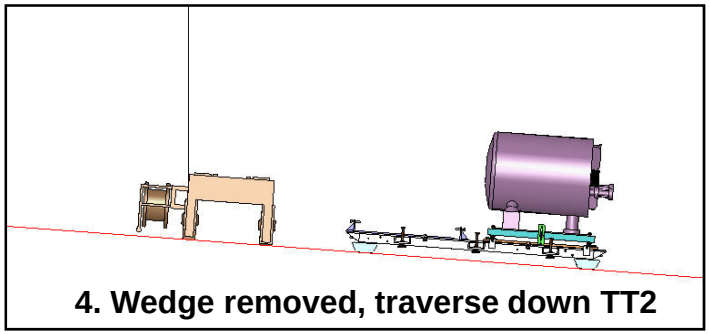
1. Baseplate on wedge



2. Solenoid on baseplate



3. Baseplate towed up slope with tractor “VOLK”



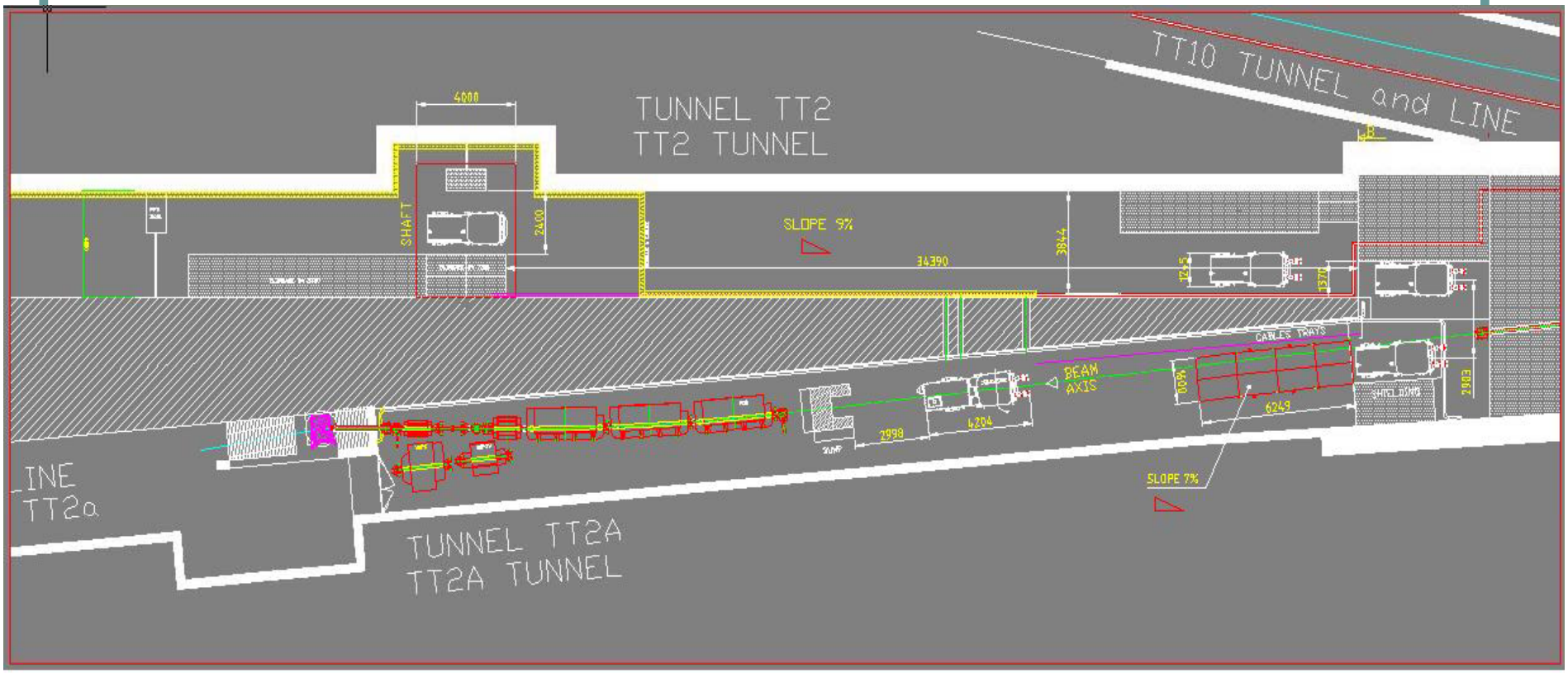
4. Wedge removed, traverse down TT2

MERIT INSTALLATION

- Handling with “VOLK” (testing with a dummy in TT2)

MERIT INSTALLATION

- TT2 to TT2A

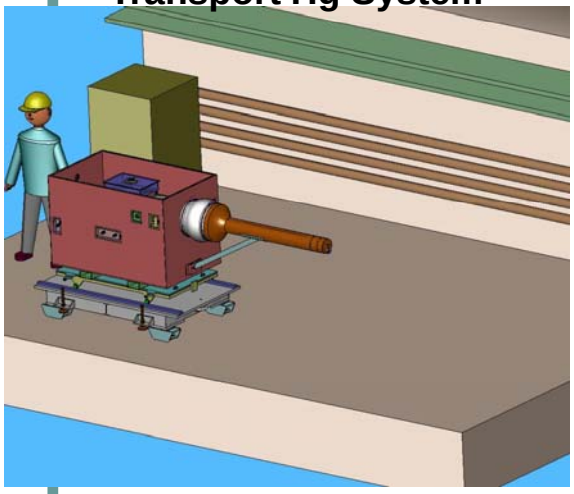


MERIT INSTALLATION

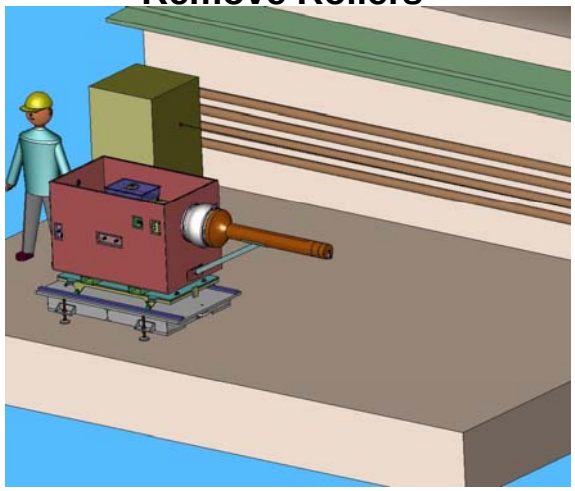
- Same handling procedure for mercury loop…

MERIT INSTALLATION

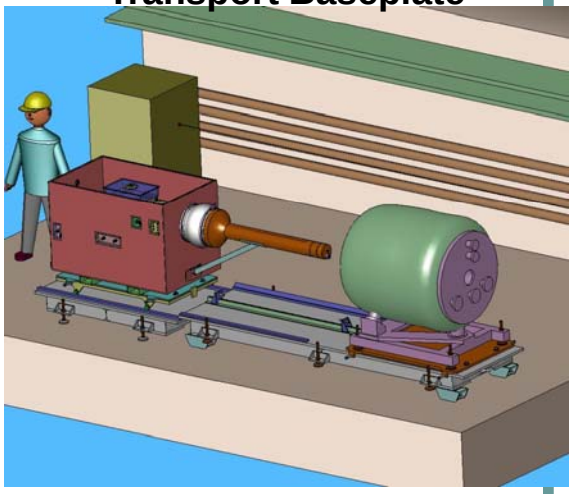
Transport Hg System

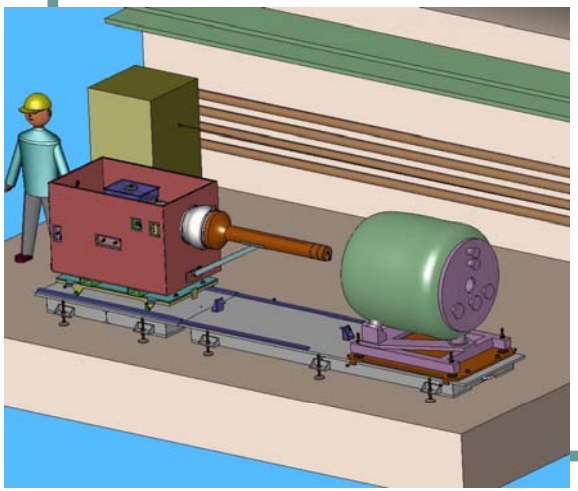


Remove Rollers

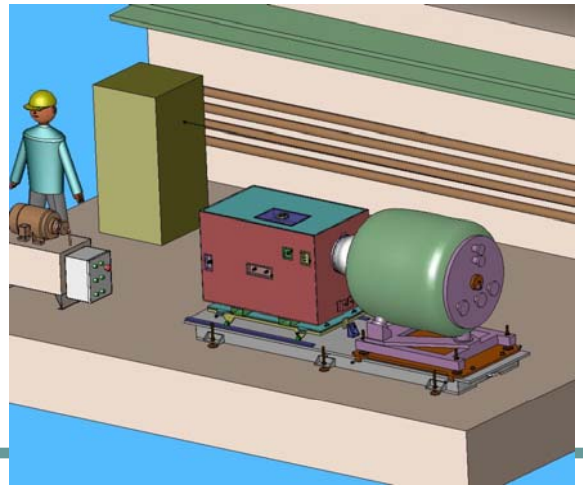


Transport Baseplate

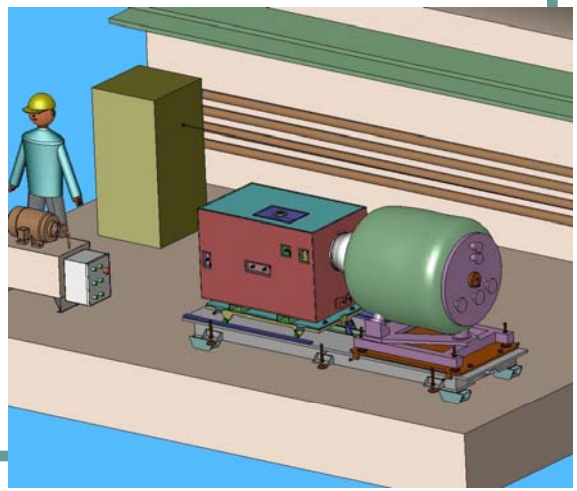




Remove Rollers, Level Magnet

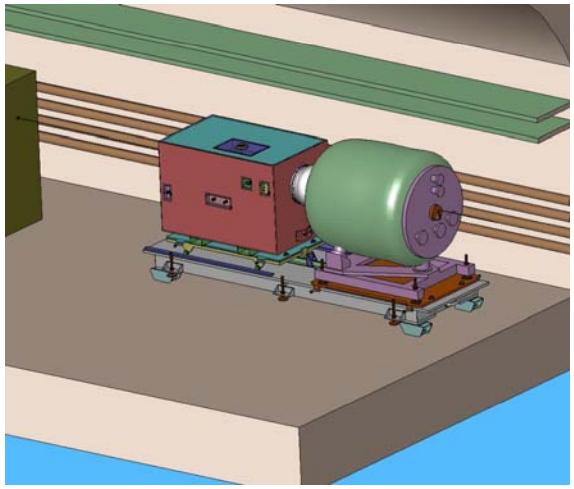


Roll Hg System into Magnet

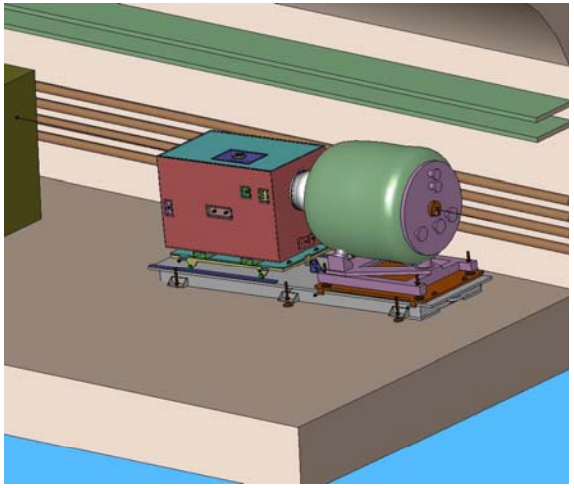


Add Rollers

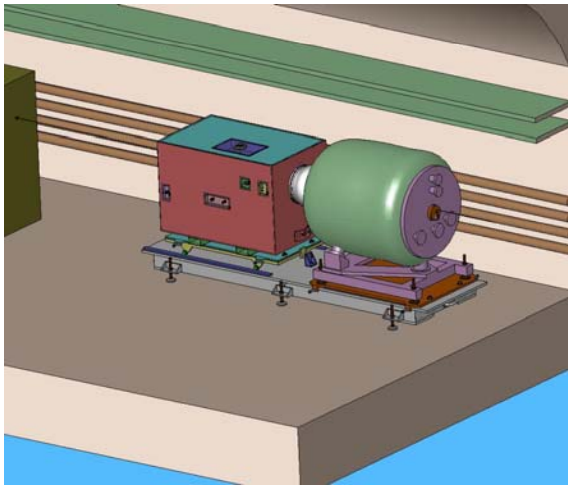
MERIT INSTALLATION



Roll System into Beam Line



Elevate & Tilt



Remove Rollers