# Proposed UXC Racks layout for RE4 LV System

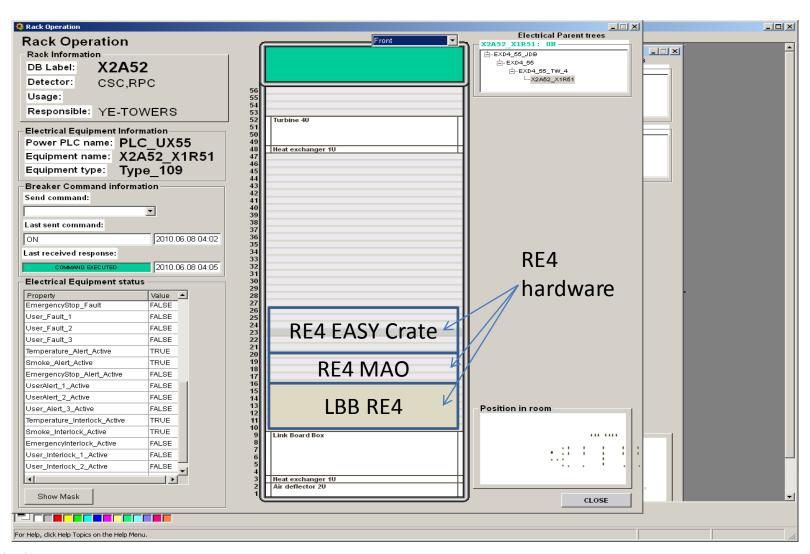
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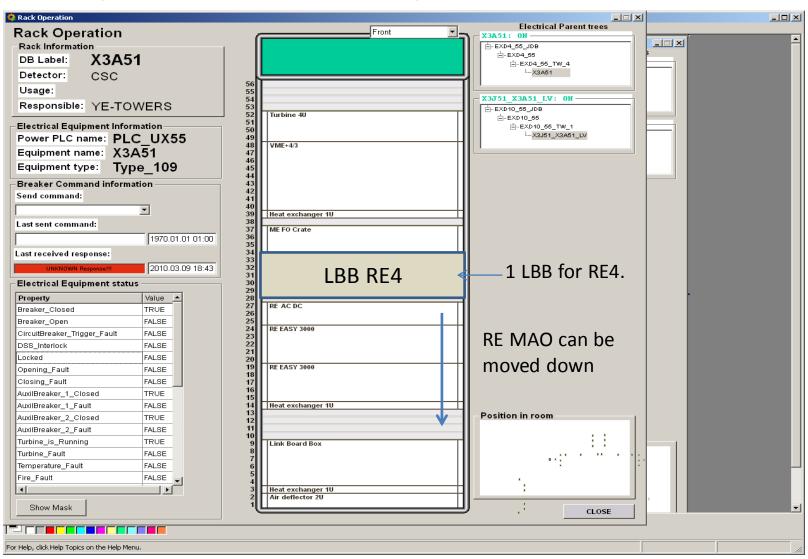
#### Hardware Information

- Rack space is needed for the following RE4 hardware:
  - Link Board Box(LBB) for RE4 signal cables.
    - 3 LBBs per tower.
      - i.e. one per level (X2, X3, X4).
  - MAO and EASY Crate for RE4 Low Voltage Cables.
    - One MAO per station/disc.
    - 1 EASY Crate per tower.

# Proposed rack layout for X2A52



# Proposed rack layout for X3A51

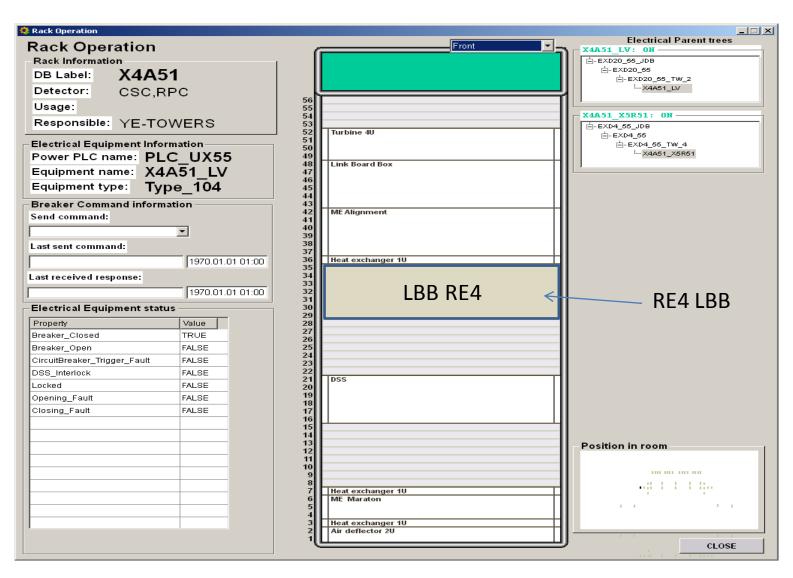


# Far X3 YE+3

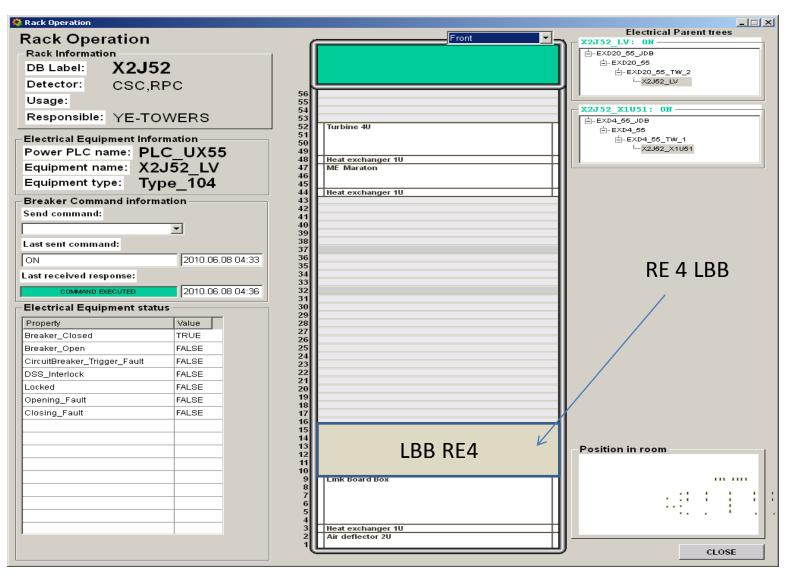




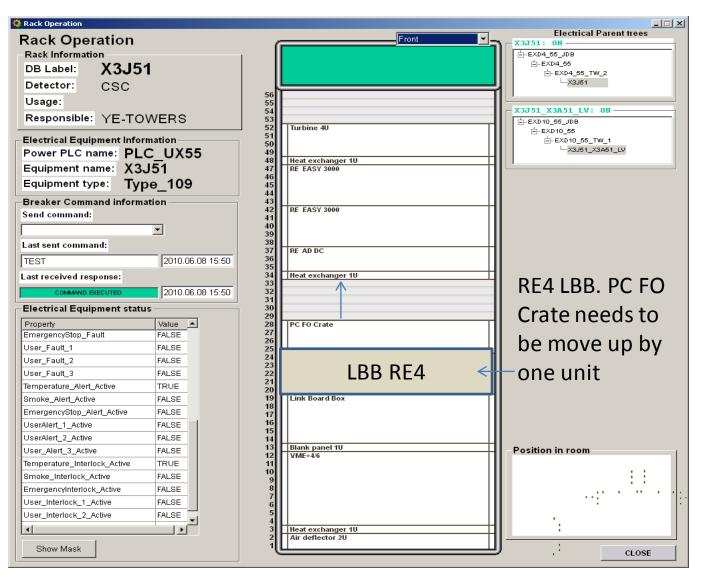
### Proposed rack layout for X4A51



# Proposed rack layout for X2J52



# Proposed rack layout for X3J51

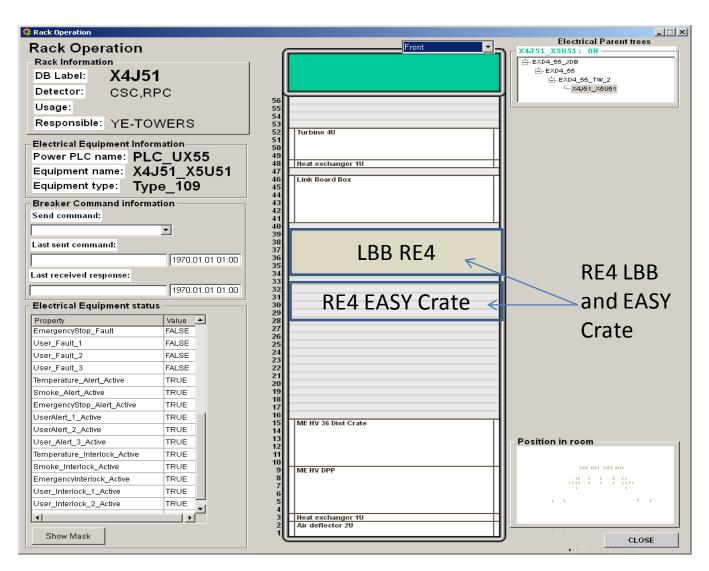


#### Near X3 YE+3

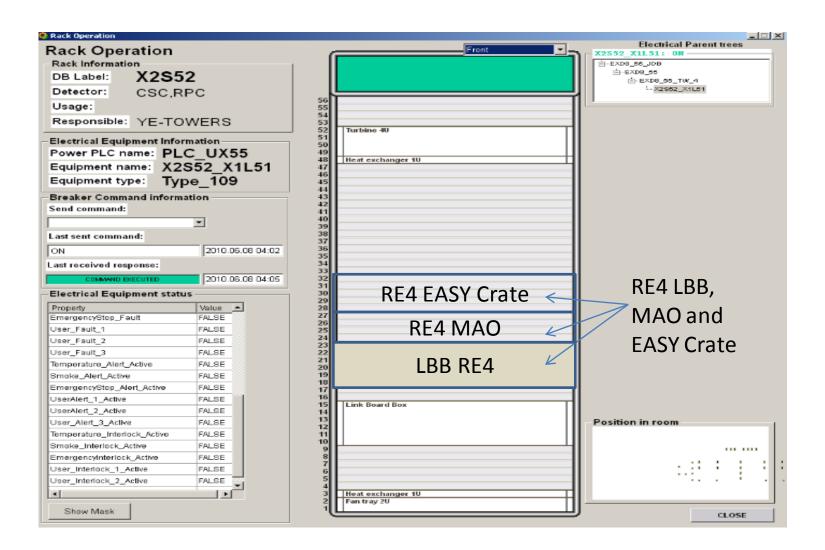




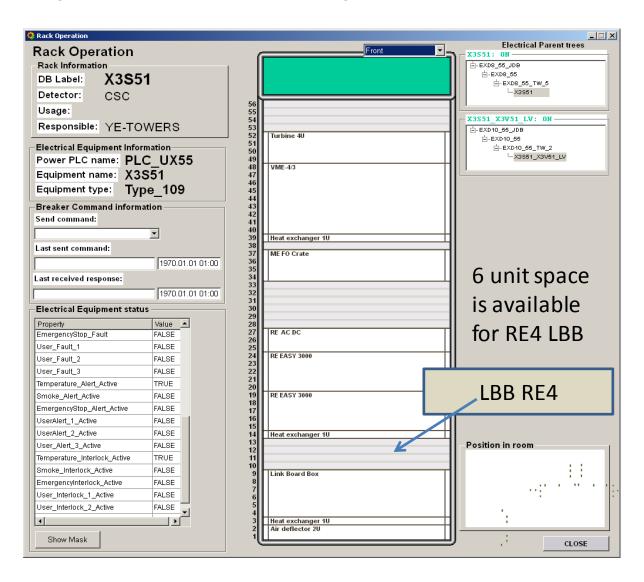
# Proposed rack layout for X4J51



# Proposed rack layout for X2S52



# Proposed rack layout for X3S51

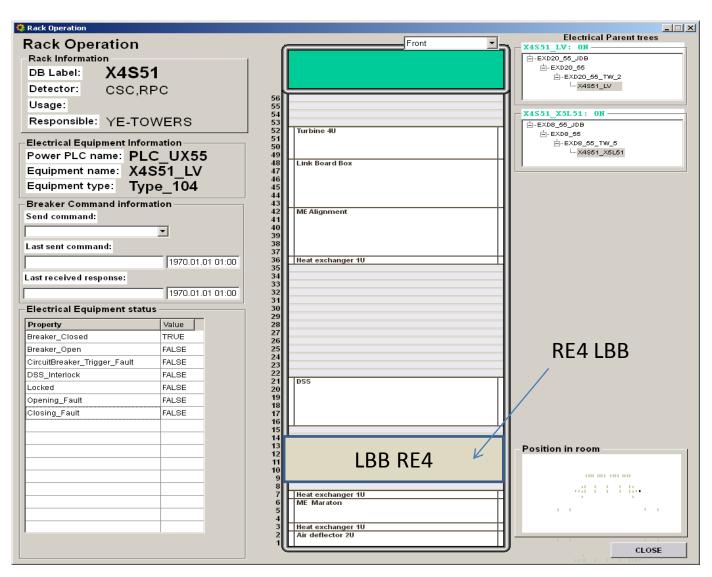


# Far X3 YE-3

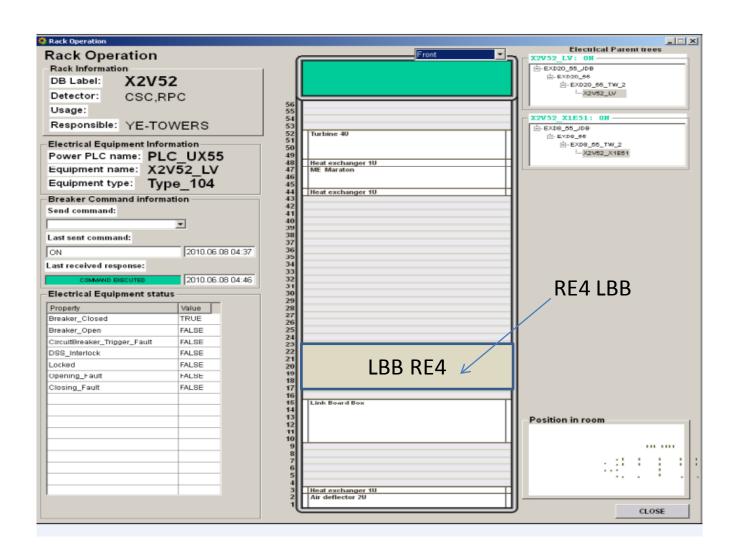




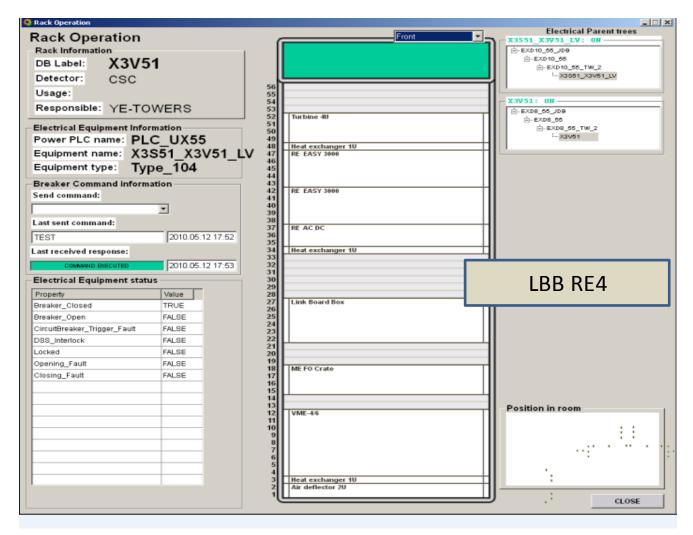
# Proposed rack layout for X4S51



# Proposed rack layout for X2V52



# Proposed rack layout for X3V51



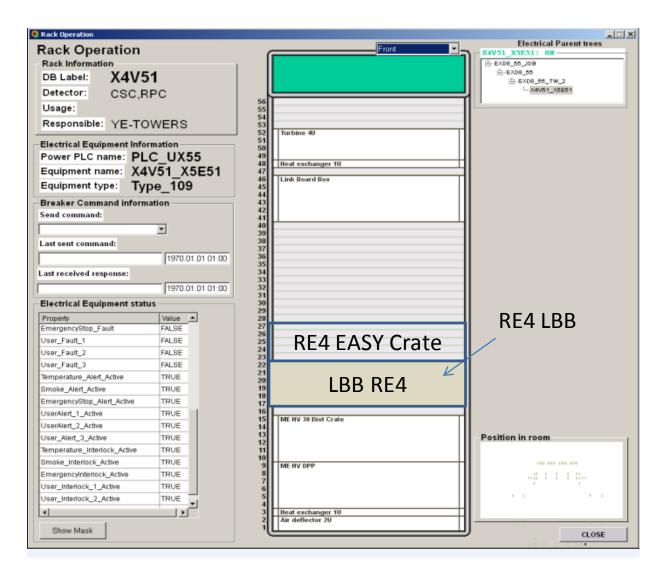
The rack is almost full already and 4 individual units are available on different positions in the rack. Needs to move hardware in approximately half of the rack.

### Near X3 YE-3





# Proposed rack layout for X4V51



#### Conclusion

- Currently we do not see any significant problem of space for RE4 hardware in X2 and X4 racks.
  - Needs discussion with CSC colleagues for final version of RE4 racks layout.
- Racks in X3 require some adjustments of already installed hardware to install RE4 LBB.
  - Most crucial rack is X3V51