



RICH preparation status for the DryRUN 2020

Shuddha

(Fulvio, Stefano, Livio, Triloki)

Color Code for the slides:

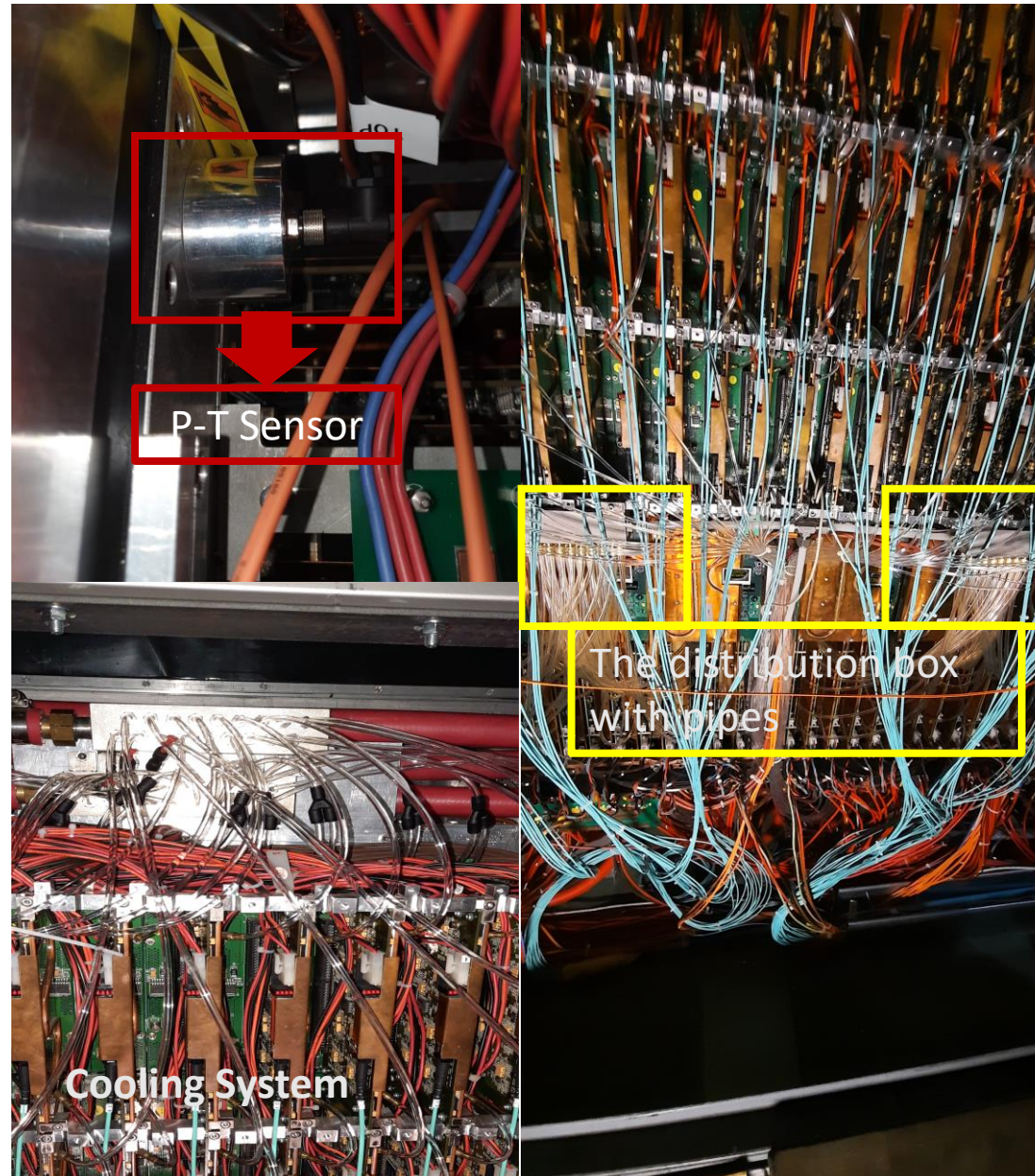
Done!

Work in progress!

Not done yet!

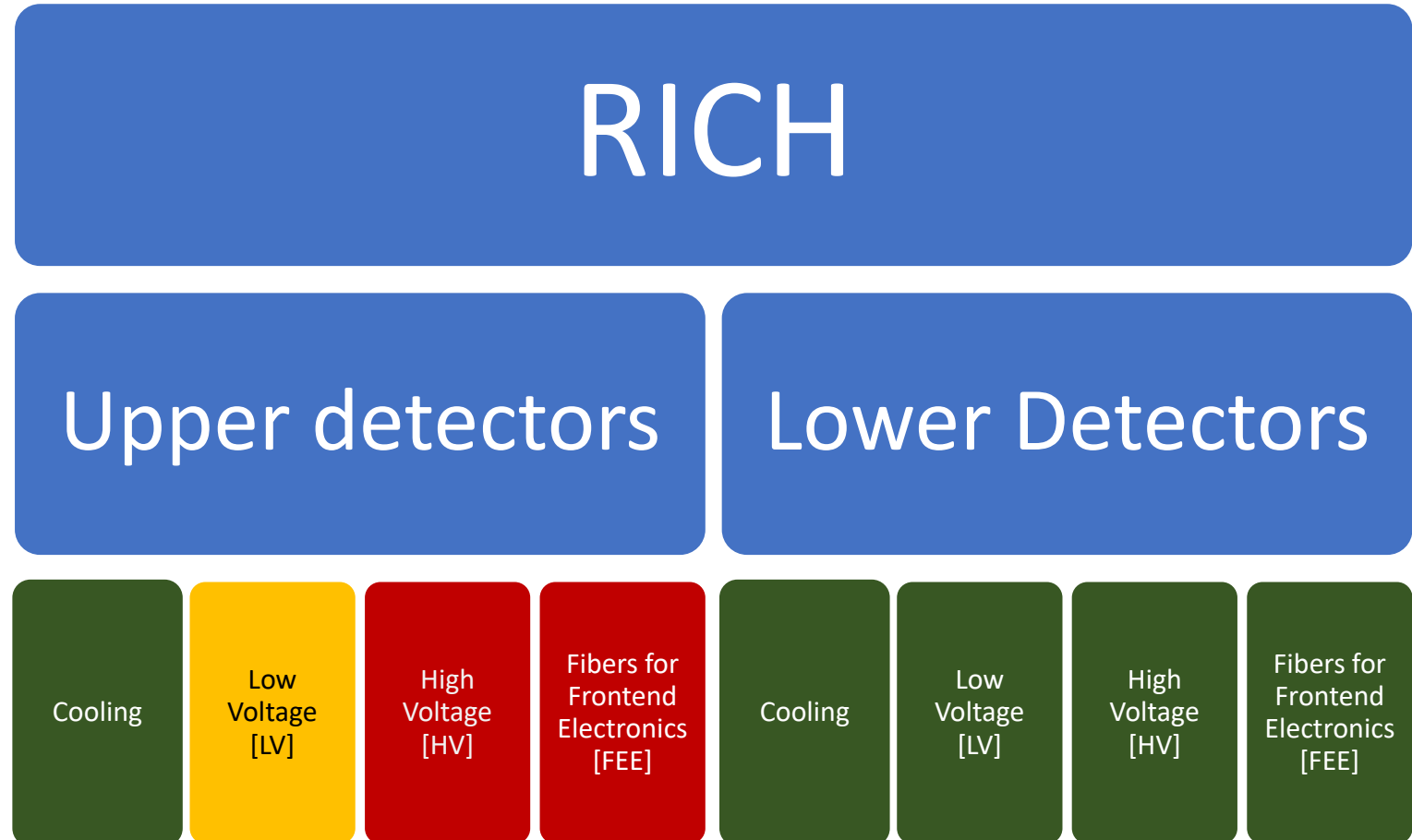
Some Updates

- The nitrogen distribution system for the Hybrids HV distribution has been redesigned and implemented.
- The Cooling system has been re done with simpler water distribution circuits. Also the pipes has been rearranged to have a cleaner look.
- LVPS for lower MAPMT digital part has been changed.
- **P-T sensors are installed for all MWPCs.**



Some Updates

- The nitrogen distribution system for the Hybrids HV distribution has been re designed and implemented.
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- LVPS for lower MAPMT digital part has been changed.
- **P-T sensors are installed for all MWPCs.**



Upper Detectors

- **Cooling: re done, tested and ready to be turned on**
- **Low Voltage:**
 - APV LV is connected (as before) for the upper detectors.
 - LV for MAPMTs is same as before for the upper chambers.
- HV for Hybrids are disconnected to be rearranged for upper detectors
→ Work in Progress
- HV for MAPMTs are connected as before
- **Fibres are not yet deployed.**

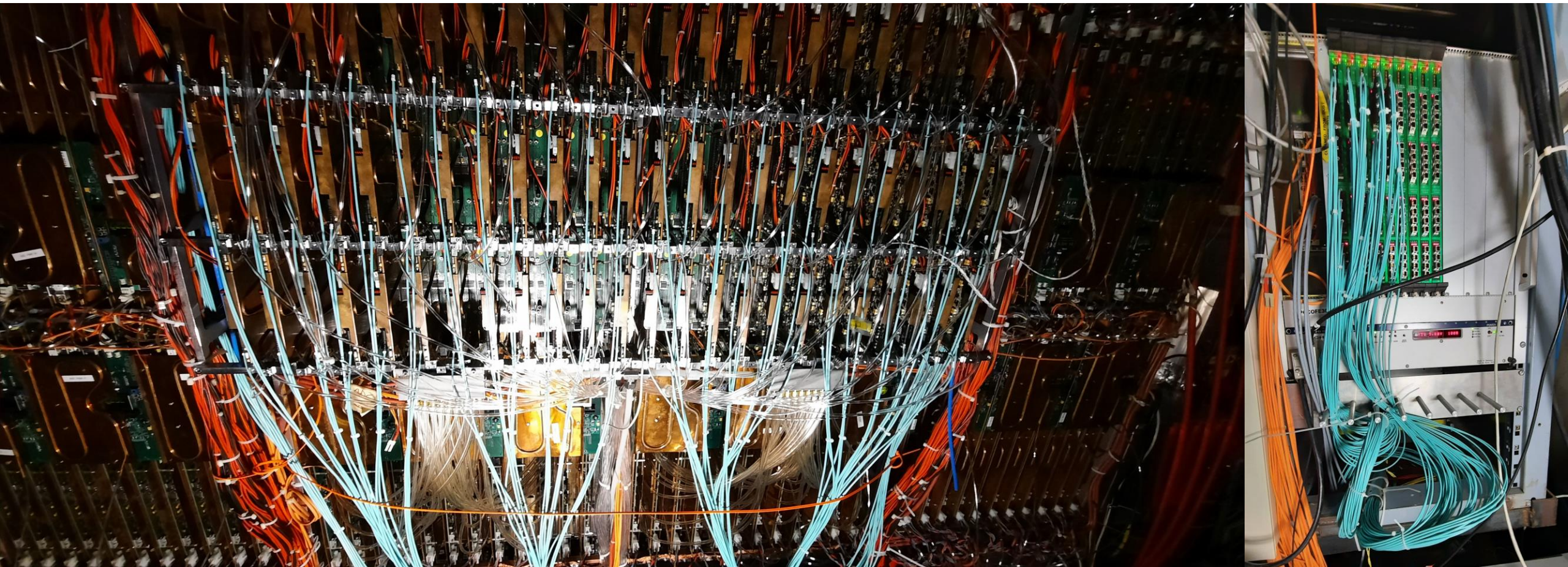
Lower Detectors

- **Cooling:** re done, tested and ready to be turned on
- **Low Voltage:**
 - APV LV is connected (as before) for the Lower detectors.
 - The LVPS for the digital part has been replaced with a new LVPS.
 - LV for MAPMTs is same as before for the Lower chamber.
- HV for Hybrids are connected back after rearranging.
- HV for MAPMTs are connected back after rearranging.
- Fibres are deployed and connected.
- It is not possible to turn on the LV for MAPMTs due to a problem in the thermal interlock system. → Stefano and Christophe are investigating.

Conclusion

- The Lower detectors are **ready to be turned on**.
- Work to prepare the upper detectors are on going.

Lower Portion





THANK YOU

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COMPASS Technical Board Nov 2020; Shuddha Shankar
Dasgupta; INFN Trieste