

East Hall under construction - 1962

East Area Renovation Project EAR.WP10 – Status of CV activities

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EAST AREA RENOVATION

Outline

- Status report
- ATEX ventilation
- Challenges ahead
- Commissioning plans



Status: Demineralised water cooling - 1/2

- B157 DemiWater Skid
 - Mech. Intallation: 100%
 - Elect. Installation: 90%
- B157 Distribution
 - CHARM/IRRAD: 100%
 - Magnets: ongoing
- B352
 - Mech. Installation: 100%
- B251 Power converter
 - Mech Installation: 100%
- B355 DemiWater station
 - Mech. Installation: 90%
 - Elect. Installation: 70%
- Technical galleries
 - Mech Installation: 100%





Status: Demineralised water cooling 2-2



• B157 – DemiWater Skid

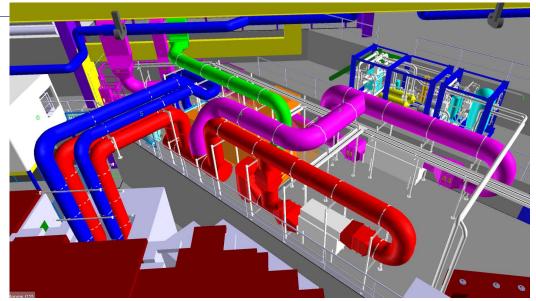


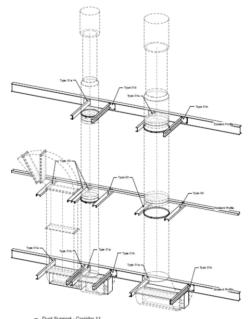
• B355 – Demiwater station



Status: Primary Zone Ventilation

- 80% materials on site
- Mechanical installation
 - Air Handling Units 70%
 - Filter casings: 100%
- Electrical installation
 - Power cubicle: in position
 - Control cubicle: in position
- Next steps:
 - Ductwork installation on *gradin* and inside chimney of blocks
 - Chiller and pipework installation
 - Final validation of chimney supports

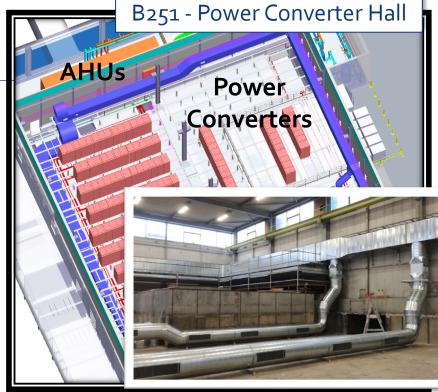


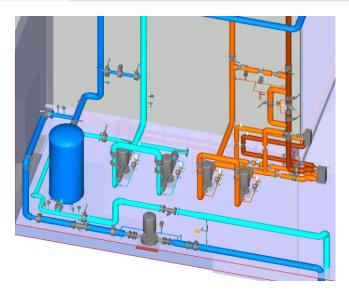




Status: other activities

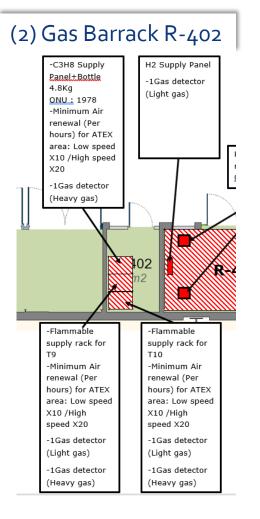
- Chiller Trane relocation (CLOUD)
 - Skid, chiller and buffer tank already on *gradin*
 - Pipework installation started in walkway (30-40% complete)
 - Next steps: position elements in final location
- B251 Ventilation
 - Installation in 2021 (AHUs + Cubicles)
 - Chilled Water, hot water or both.







ATEX Ventilation 1/2

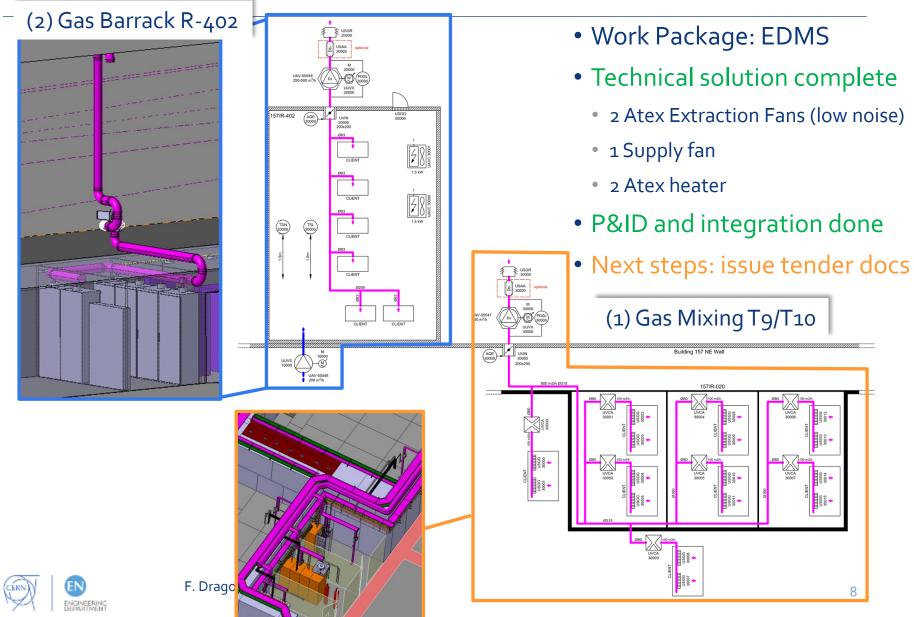


- User Requirements EDMS1907012
- 2 Zones: (1) Gas mixing T9/T10 + (2) Barrack R-402
- Zone 2G, Gas Group IIC T4





ATEX Ventilation 2/2



Challenges ahead and criticalities

Demineralised water cooling

Connection between B157 skid and pipework in B352 (for EA magnets in PS area) and in Primary zone bunkers can only occur once metallic structure that supports shielding blocks is in place → postponed to Mid August → <u>no cooling water</u> to Magnets in PS area and Primary Zone bunkers (Primary Area + T8)

• PZ Ventilation

- Exhaust chimney installation delicate operations already discussed and involved EN-EA, EN-HE and EN-ACE to define steps
- Bunker airtightness good progress in this direction



Commissioning plan

• Thanks for the support to EN-EA, EN-EL, EN-ACE, EN-MME, TE-EPC, TE-MSC, SMB-SE, IT-CS, HSE-RP, RAM, SADES, OUVAROFF...

	2020								2021							
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
DemiWater Cooling: Hydrostatic pressure tests																
DemiWater Cooling: Pump alignment												an an an an an	ana ana ana ana ana kao kao kao			
DemiWater Cooling: B355 station + B157 skid (functional and performance tests)									ana ana ana ana ana ana ana ana				nang pang pang pang			
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emiWater Cooling: B352 commissioning (valve and flow setting)						[
emiWater Cooling: B157 commissioning (valve and flow setting)									~~~~							
Skid Trane: commissioning (valve and flow setting)	~~~~										100 00 00 00 00 100 00 00 00 00					
PZ ventilation: commissioning (functional and performace test with no roof and no heat load)									nan nan nan nan							
PZ ventilation: commissioning (functional and performance tests <u>with roof and no heat load</u>)									nan nan nan nan nan nan nan nan	949 949 949 949 949 949 949 949 949 949						
PZ ventilation: commissioning (functional and performance tests <u>with roof and heat load</u>)								an an an an ar	nan nan nan nan asa asa asa asa	an an an an an an an an an	inan nan nan nan	nan nan nan nar	nan mar man mar Kasi kasi kasi kasi		** ** ** **	
EX Ventilation: commissioning (functional and performace tests)									nan nan nan nan		han nan nan nan					



Thanks for your attention !



EAST AREA RENOVATION