

*East Hall under construction - 1962*

# East Area Coordination meeting #11 Activities, b.251, b.157 & b.352

Aboubakr Ebn Rahmoun / EN-EA, 22-05-2019



ENGINEERING  
DEPARTMENT



# East Area Coordination meeting, b.251

22.05.2019

Gurkan Dogru



ENGINEERING  
DEPARTMENT

## B.251

Travaux de désamiantage prévu courant le mois de juin.



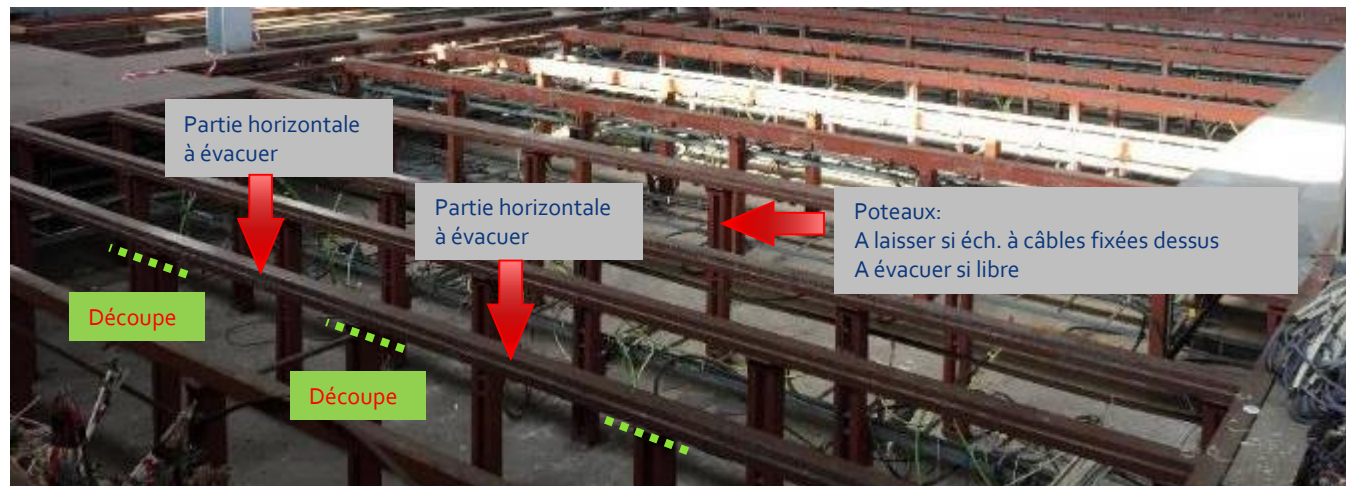
### PROCHAINEMENT (début semaine 21) :

- Découpe de toute la structure du faux plancher existante, retrait et évacuation des parties horizontales y compris poteaux sur lesquels il n'y a rien de fixé. (Laisser les poteaux sur lesquels sont fixés des échelles à câbles)
- Démontage et stockage des échelles à câbles inutilisées
- Suite retrait et évacuation panneaux bois + panneaux métalliques

### Deuxième temps:

(Une fois que EL aura enlevé les éch. à câbles au mois de juillet)

- Retrait et évacuation de toute la structure restante (poteaux + .....)



## B.251

Travaux effectués avec masques et combinaisons jetables du 27 au 29 mai :

- Retrait des gaines métalliques avec les câbles IT des chemins de câbles sous le faux plancher.
- Surplus des câbles enroulé, identifié et laissé sur place (au sol) pour être débarrassé pendant la campagne de décâblage.
- Pose d'un nouveau chemin de câbles au mur – percements pour supports fait avec aspiration à la source.
- Aucun travail ne sera effectué sur les IPN métalliques car présence du plomb dans les peintures.

Ancien rack



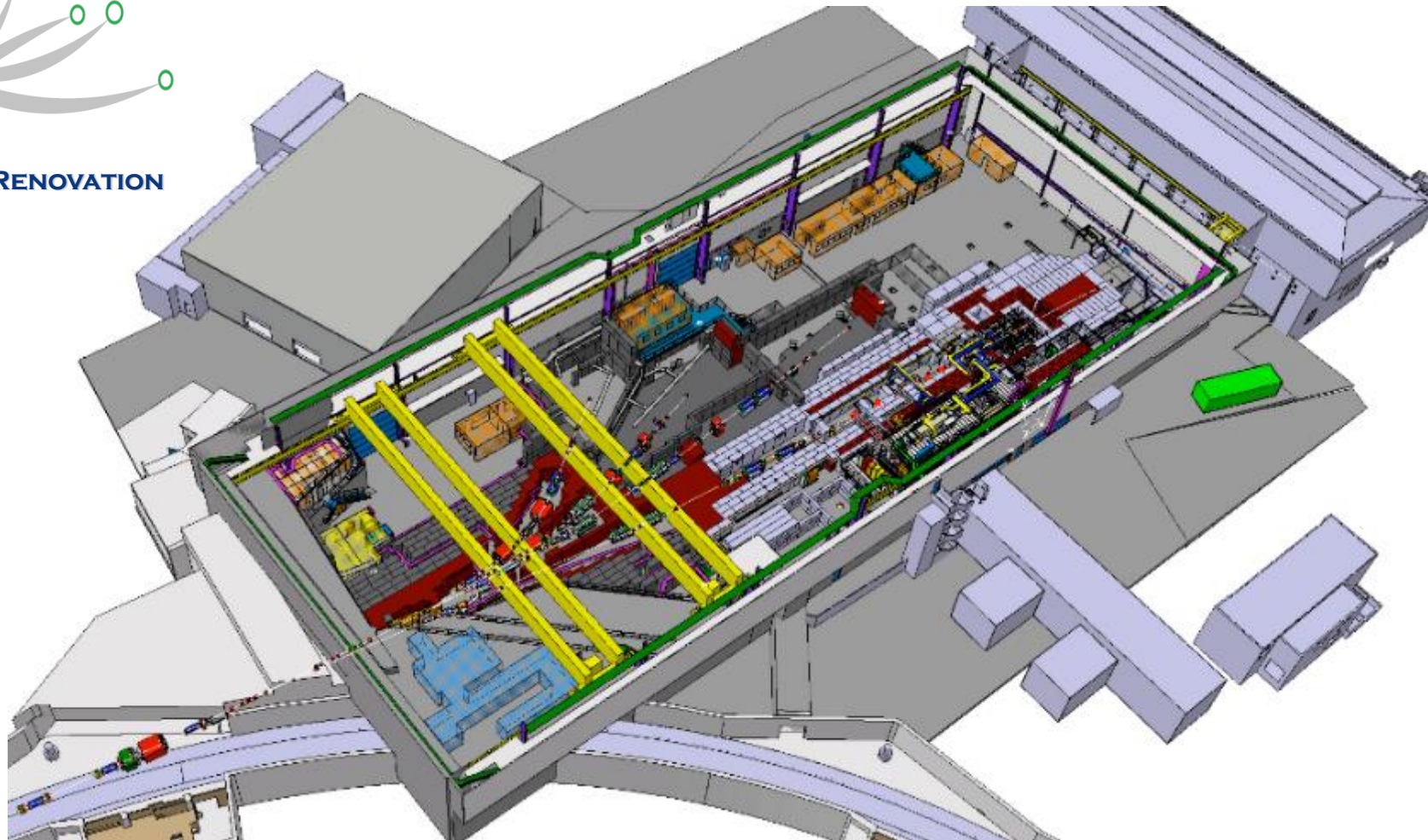
Nouveau rack



# Questions?

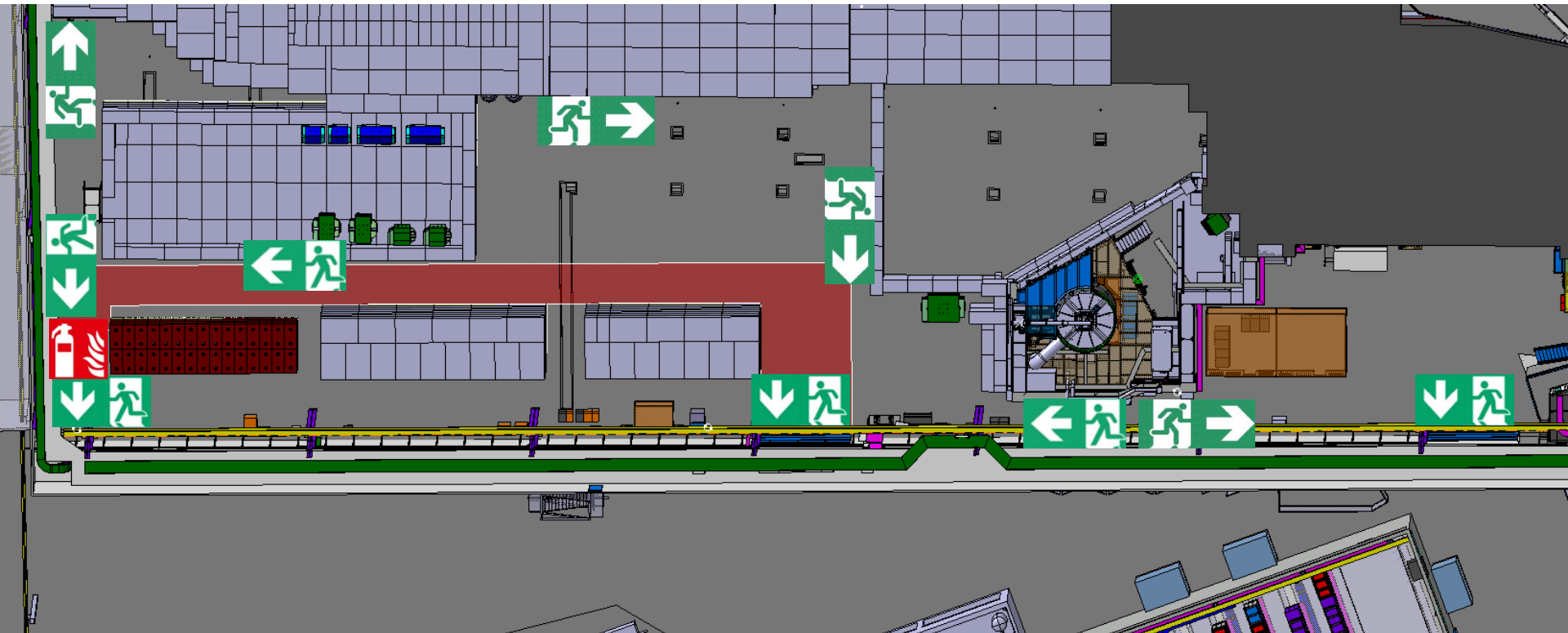


**EAST AREA RENOVATION**



# General information b.157

- New PSO for East Area Project, Louis-Frederic Andre BE/ASR,
  - \*Many thanks to Erwan
- HSE, BE & EA
  - Emergency evacuation plan & extinguisher point, by help of Louis-Frederic A.



# Process & purchase control room

---

Iteration

Done

- EN-CV
  - Technical specification and characteristic of the installations
  - Thermal study need be approved by CV and the maintenance will be supported
- IT-CS
  - Needed, power and thermal loads for CV and EL

BE-ICS?

Next meeting

- Users
  - Thermal loads by control room, (equipments and people)
- EN-EL
  - How we process the electrical part
- HSE
  - Safety aspect, ventilation (air neuf), seismic risks, composition of control rooms conform with IS41

Task Name	Baseline Duration	Start
Install new control rooms	3 wks	Fri 10/07/20

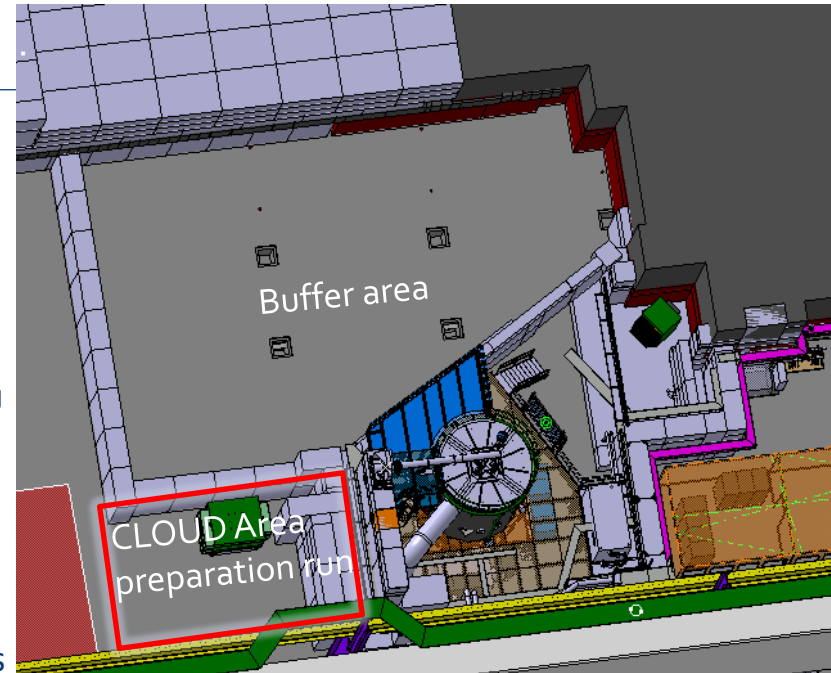
# Activities

- B.157

- Dismantling roof (primary area),
  - Ongoing, iron blocks are removed
- Storage blocks and magnets @157
  - **ground load validation on pending from HSE**
    - Q100 on CLOUD will be removed during primary area dismantling
- Survey between To8B and To9-T10 experiments area
  - Roof opening EN-HE-> **VALIDATION CRANE PR-39**
- MCB dismantling from To8
- Buffer area on preparation
- Fire detection are removed to primary area and To8b.
- EN-CV, dismantling on going, manifolds and water pipes
- Civil engineering
  - The south wall, done, dismantling of scaffolding on going. The roof refurbishment will be start 20/05 South side,

- B.352, PS –F61

- Magnets dismantling
  - Last magnets are removed and stored in 157, waiting for transport
    - M100 & M200 done
- Transport activities, EN-HE
  - Open trench for removing the hoses removal, TE-MS/EN-EL
- EN-CV dismantling on going, manifolds and water pipes & 817
- Next step, EN-EL?

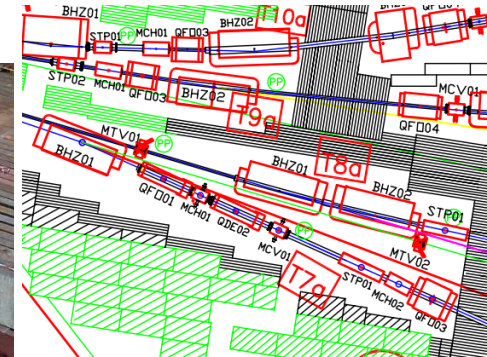


**\*CLOUD run**  
**From 02/09 to 15/11/2019**

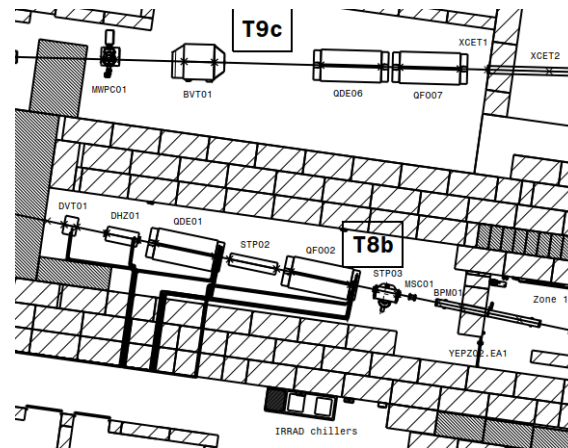


# Primary Area and To8b

- MCB, from F61 has too high radioactivity to go on Prevesin for maintenance.
  - Remove magnet BHZo2 (MCB) on To8 (primary area)
    - The radioprotection and Survey are OK
    - Roof opening and handling needed
      - **Require to closed the buffer area\***



- Survey between To8b and To9-T10 experiments area
  - Open roof on To8b for 2 days, 4 concrete beams for the survey station.
  - Needed, IMPACT and VIC



# Advancement b.157

Primary area roof Opening last iron blocks layer 20/05->07/06

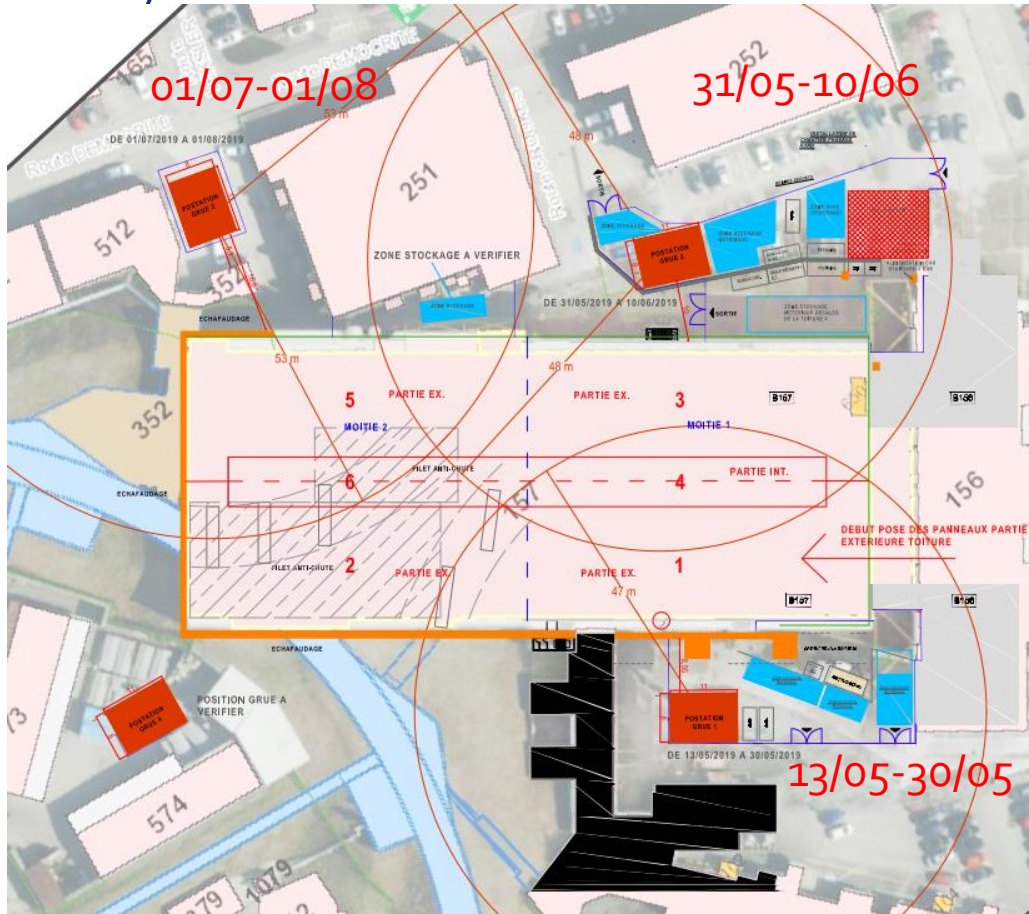


Storage area, blocks and magnets



# SMB Roof renovation

- Roof renovation, the dates will be validated by SMB soon



- Coordination meeting between SMB, CV, HE & EA
  - Crane, "platelage" removing, access etc.

# Primary area

---

- Dismantling process, all phases of dismantling
  - Target, shielding, magnets, survey, decabling, cleaning etc.

Link: [Dismantling of the East Area primary zone and the F61 beamline](#)

- EDMS: [2086121](#)

# Planning 157

		Will start		Started			
27%	▲ B.157	1211.5 days	Mon 30/05/16	Tue 30/03/21			
52%	▲ Roof	405 days	Tue 27/02/18	Mon 30/09/19			
0%	Roof works	91 days	Mon 13/05/19	Mon 16/09/19	91 days		Roof works
0%	Install the destratification fans	4 wks	Wed 17/07/19	Tue 13/08/19	4 wks		Install the destratification fans
55%	▲ Outside	530 days	Mon 29/01/18	Fri 06/03/20			
0%	General acceptance	1 wk	Mon 22/04/19	Fri 26/04/19	1 wk		General acceptance
0%	Dismantling in B355 demiwater station	30 days	Thu 13/06/19	Wed 24/07/19	30 days		Dismantling in B355 demiwater station
0%	Civil works for new transformers installation in b. 157	2 wks	Mon 01/07/19	Fri 12/07/19	2 wks		Civil works for new transformers installation in b. 157
20%	▲ Fast Access	570.5 days	Tue 13/11/18	Tue 02/03/21			
73%	▲ Dismantling activities in the fast access area	303 days	Tue 13/11/18	Thu 06/02/20			
95%	Magnets removal in the fast access area	1 wk	Mon 01/04/19	Fri 05/04/19	1 wk		Magnets removal in the fast access area
100%	Concrete floor dismantling	1 wk	Mon 08/04/19	Fri 12/04/19	1 wk		Concrete floor dismantling
100%	Cleaning Secondary Area	1 wk	Mon 01/04/19	Fri 05/04/19	1 wk		Cleaning Secondary Area
100%	Manifold dismantling	3 wks	Mon 08/04/19	Fri 26/04/19	3 wks		Manifold dismantling
100%	Laser scan in secondary areas	1 day	Mon 22/04/19	Mon 22/04/19	1 day		Laser scan in secondary areas
20%	Removal works in Building 157 + Option WLOJ	2 wks	Mon 20/05/19	Fri 31/05/19	2 wks		Removal works in Building 157 + Option WLOJ
0%	Survey measurement between T8B/T9/T10	2 days	Mon 27/05/19	Tue 28/05/19	2 days		Survey measurement between T8B/T9/T10
15%	▲ Primary Area	553.5 days	Thu 06/12/18	Tue 02/03/21			
41%	▲ Dismantling activities in the primary area	252 days	Thu 06/12/18	Fri 06/12/19			
100%	Dismantle fire detection	1 day	Fri 17/05/19	Fri 17/05/19	1 day		Dismantle fire detection
80%	Opening of the roof (Cast iron layer)	3 wks	Mon 20/05/19	Fri 07/06/19	3 wks		Opening of the roof (Cast iron layer)
0%	▲ Beamline Dismantling	15 days	Mon 10/06/19	Fri 28/06/19			Beamline Dismantling
0%	T11 Magnets dismantling in primary area	3 days	Mon 10/06/19	Wed 12/06/19	3 days		T11 Magnets dismantling in primary area
0%	Target removal in primary area + very radioactive blocks	1 day	Thu 13/06/19	Thu 13/06/19	1 day		Target removal in primary area + very radioactive blocks
0%	DC Cables disconnections (Primary Area) + hoses	1 day	Fri 14/06/19	Fri 14/06/19	1 day		DC Cables disconnections (Primary Area) + hoses
0%	Vacuum disconnection and dismantling in secondary areas	2 days	Mon 17/06/19	Tue 18/06/19	2 days		Vacuum disconnection and dismantling in secondary areas
0%	Magnet (T9.QDE01/QFO02/BHZ01) dismantling in primary area	1 wk	Wed 19/06/19	Tue 25/06/19	1 wk		Magnet (T9.QDE01/QFO02/BHZ01) dismantling in primary area
0%	Beam Instrumentation dismantling in primary area	1 day	Wed 26/06/19	Wed 26/06/19	1 day		Beam Instrumentation dismantling in primary area
0%	Stopper dumps dismantling in primary area	1 day	Thu 27/06/19	Thu 27/06/19	1 day		Stopper dumps dismantling in primary area
0%	Mechanical supports dismantling (Partial) in primary area	1 day	Fri 28/06/19	Fri 28/06/19	1 day		Mechanical supports dismantling (Partial) in primary area
0%	Opening between prim. Area/sec area	4 wks	Mon 01/07/19	Fri 26/07/19	4 wks		Opening between prim. Area/sec area
0%	Removal of all the magnet non-needed by the survey	1 wk	Mon 29/07/19	Fri 02/08/19	1 wk		Removal of all the magnet non-needed by the survey

# B.352, PS area

---

## Démantèlement F61

- Déconnexions câbles DC & flexibles ED, TE-MSD,
  - Déconnexions du vide et enlèvement pompe à vide, TE-VSD/EN-EA
  - Préparation network, EN-SMM, du 13 au 15/03
  - Désinstallation BE-BI, LSD, SEC, BTV's, TFA, BE-BI/EN-HE,
  - TREC et évacuation, matériel stockage, déchets en cours
  - Démontage de la porte secteur, EN-ACE, BE/ICS,
- **Manutention EN-HE**
    - Etude structurel du sol validé par SMB,
    - Démontage blindage (coté accès et splitter), évacuation blocs < 24-16-8, Test de charge du pont validé
    - Désinstallation aimants/équipements et supports F61: Lancement VIC TE-MSD, EN-STI => EN-ACE
    - Q74 done TE-VSD, MNPA 25, Q120, MEA (DVT1), MEA (DVT2), QFL, Q600, SMH01(SPLITER)
    - Beam-stopper 01 et 02, EN-STI
    - Démontage blindage MCB, Dump F61D
    - MCB, Q120, Q120, MNPA25, M105, blind access for MCB transport
    - M100 M200, démontage prévu fin Mai, blind access, pont 25t->30t
  - EN-CV dismantling on going, manifolds and water pipes, 817+352
  - EN-SMM laser scan

[Inventaire partie 352](#)

# Advancement b.352

Handling MCB 20.5t and M200 28.5t



# Planning 352

Will start

Started

Progress	Activity	Duration	Start Date	End Date
100%	B.352 (PS)	439 days	Fri 01/02/19	
84%	▸ Dismantling activities in b.352	166.5 days	Fri 01/02/19	
100%	Beam Instrumentation dismantling in b.352	1 wk	Mon 11/03/19	
100%	Relocation of shieldings for magnet removal	6 wks	Mon 18/03/19	
100%	▸ Magnet dismantling	38 days	Mon 01/04/19	
100%	Magnet dismantling in b.352	4 wks	Mon 01/04/19	
100%	M100/M200 dismantling	5 days	Thu 16/05/19	
100%	Beam stoppers dismantling in b.352	1 wk	Mon 01/04/19	
95%	Mechanical supports dismantling in b.352	4 wks	Mon 01/04/19	
0%	Laser scan in b.352	1 day	Mon 27/05/19	
95%	Removal works in B352 and technical galleries (controlled areas) below B157/B352	3 wks	Mon 06/05/19	
0%	Opening of the trench (For hoses removal)	1 day	Wed 31/07/19	
0%	▸ Installation activities in b.352	210 days	Mon 01/07/19	
0%	Re-arrange shielding (OPENNING BETWEEN B.352/B.157 + DUMP)	4 wks	Mon 01/07/19	

- EN-SMM laser scan

- Possibility to measure the CCS on the two magnet before Q74,
  - Laure W. EN-SMM & Eva M. EN-EA in discussion



# Preparation intervention b.352,

- Organisation de la VIC par les différents groupes,
  - Prendre le numéro d'impact correspond, MAJ des dates et des intervenants,
  - Joindre la VIC et mise en approbation

<u>Impact</u>	<u>Activity name</u>	<u>Responsible</u>	<u>DEP-GPE</u>	<u>WPD N#</u>
	Value With RP Supervision			-
	<b><u>DIMR 7981350</u></b>			-
126000	Opening of the trench (For hoses removal) + Relocation of shieldings for magnet removal	J. Fermanel	EN-HE	<a href="#">1596/1</a>
126006	Levelling PS (b.352) / East Area (b.157)	Philippe Dewitte	Survey	<a href="#">1599/1</a>
126008	Magnet dismantling in b.352	Roberto Lopez	TE-MSD	<a href="#">1602/1</a>
126009	Vacuum disconnection and dismantling in b.352	Victor De Jesus	EN-EA	<a href="#">1600/1</a>
126010	Network preparation b.352	Philippe Dewitte	Survey	<a href="#">1601/1</a>
126012	Beam Instrumentation dismantling in b.352	Jocelyn Tan	BE-BI	<a href="#">1603/1</a>
126013	Beam stoppers dismantling in b.352	Edouard Grenier-Boley	EN-STI	<a href="#">1604/1</a>
126011	Laser scan in b.352	Philippe Dewitte	Survey	<a href="#">1606/1</a>
126016	Dismantling cooling network for F61 in PS-Ring	Francesco Dragoni	EN-CV	<a href="#">1607/1</a>
126017	EN-EL Decabling (DC+signals) Activities	Pawel Burdelski	EN-EL	<a href="#">1610/1</a>
126018	Re-arrange shielding (B.352/B.157 + DUMP)	J. Fermanel	EN-HE	<a href="#">1611/1</a>

# Activités et responsabilités

timelapse B157	157/Mur nord	BRICE M. (IR/ECO)			127554	19/02/2019	
Chamber maintenance and operation	157/CLOUD	Hanna M. (EP/DT)	EDMS:2102533	31/01/2019	127717	21/02/2019	
MOMO deployment	157, IT	Mohssen (IT/CS)			128126	27/02/2019	
Inventory of CLOUD SWAGELOK Equipment	157/CLOUD	Joschka P.			128085	27/02/2019	
chamber maintenance and operation	157/CLOUD	Hanna M. (EP/DT)	EDMS:2102533	31/01/2019	128443	05/02/2019	
Stockage instrumentation BI (F61)	157/IRRAD facility	Jocelyn T. (BE/BI)			128475	05/03/2019	
Installation of 4200A by Linktronix in IRRAD	157 R-007	GORINE G. (EP/DT)			128711	08/03/2019	
Annual cleaning at experimental area	157/CLOUD	Hanna M. (EP/DT)	EDMS:2102533	31/01/2019	128919/129396	12/03/2019	
Travaux génie civil dans B.251/R-409 (Local IT)	251/R-409	Gurkan D. (EN-EA)			128532	08/03/2019	
Couverture faux plancher extension B.251	B.251	Gurkan D. (EN-EA)	4646	18/03/2019	129182	19/03/2019	
Test Camera	157/CLOUD	Serge M. (EN-MME)	EDMS:2102533	31/01/2019	129460	20/03/2019	
CLOUD - pipe pollution checks	157/CLOUD	Louis-P. D.M. (EP/DT)			129445	20/03/2019	
Decoupe chambre à vide radioactive	157/R-001	Aboubakr E. (EN-EA)	4689	26/03/2019	129797	26/03/2019	
Retrait des échelles à câbles dans extension B.251	251/R-005	Gurkan D. (EN-EA)	4688	27/03/2019	129774	25/03/2019	
Nettoyage du hall 157	157/R-001	Aboubakr E. (EN-EA)			130018	27/03/2019	
CLOUD gateway setup	157/CLOUD	Stefan W. (EP-DT)	EDMS:2102533	31/01/2019	129897	27/03/2019	
Visit to the IRRAD facility infrastructure of IT colleagues	157/Irrad facility	Federico R. (EP/DT)			130851	09/04/2019	
Error investigation of the Huber Unistat 950 cooling	157/CLOUD	ROBERT K. (EP/DT)	EDMS:2102533	31/01/2019	131004	10/04/2019	
pipe pollution reconstruction + Massflow controller installation	157/CLOUD	Louis-P. D.M. (EP/DT)			131252	15/04/2019	
Zone East consolidation- 157 Piping and skid	157/CV installation	GUILLAUME RAIMONDI	4875	07/05/2019	130730	05/04/2019	
Démontage manifold zone T9/T10	157/To9-T10	GUILLAUME RAIMONDI	4776	16/04/2019	131321	16/04/2019	
Evaporator inventory and check	157/CLOUD	Hanna M. (EP/DT)	EDMS:2102533	31/01/2019	131358	16/04/2019	
Reglette labelling and gas bottle inventory	157/CLOUD	Hanna M. (EP/DT)	EDMS:2102533	31/01/2019	131634	23/04/2019	
Repair of CLOUD instrument	157/CLOUD	Joschka P. (EP/DT)	EDMS:2102533	31/01/2019	132014	30/04/2019	
CLOUD T11: emptying evaporators	157/CLOUD	Hanna M. (EP/DT)	EDMS:2102533	31/01/2019	132079	30/04/2019	
Survey on CLOUD	157/CLOUD	Laure W. (EN-SMM)			132081	30/04/2019	
Réglage limiteur de charge du PR-280 au bâtiment 157	157R-408	Filippo C. (EN-HE)			132447	07/05/2019	
Error investigation of the Huber Unistat 950 cooling plant	157/CLOUD	ROBERT K. (EP/DT)	EDMS:2102533	31/01/2019	132384	06/05/2019	
Pipe pollution reconstruction + Massflow controller installation	157/CLOUD	Louis-P. D.M. (EP/DT)			132348	06/05/2019	
Maintenance of Huber cooling plants in T11 bld 157	157/CLOUD	ROBERT K. (EP/DT)	EDMS:2102533	31/01/2019	132631	09/05/2019	
CLOUD airflow measurements	157/CLOUD	Stefan W. (EP-DT)	EDMS:2102533	31/01/2019	132548	08/09/2019	
Remplacement de la radio PR-280 AU BATIMENT 157	157	Philippo C. (EN-HE)			133037	14/05/2019	
Desactivation detection incendie et systeme d'evacuation	157	Aboubakr E. (EN-EA)			133277	17/05/2019	IS37/3961-3963-3964
Visite fin T8 pour mesure liaison T8-T9	157/To8B	Philippe D. (EN-SMM)			133204	16/05/2019	
Pipe pollution reconstruction + Massflow controller installation	154/CLOUD	Louis-P. D.M. (EP/DT)			133398	21/05/2019	



# ATTENTION TRAVAUX EN COURS ACCES INTERDIT



Période: Du 03/02/019 au 15/02/2019

## PLANCHER OUVERT – RISQUE DE CHUTE



Responsable travaux entreprise: **DUPONT Patrick 161111**

Responsable travaux CERN (WSS): **DURAND Brigitte 162222**

EN-ACE: **Facility Coordinator 163333**

1. La consigne  
« Accès interdit »



**ATTENTION TRAVAUX EN COURS  
ACCES INTERDIT**



2. La période pendant laquelle la  
consigne est valable



Période: Du 03/02/019 au 15/02/2019

3. Le risque  
(Texte et Symbole)



**PLANCHER OUVERT – RISQUE DE CHUTE**



4. Les personnes de contact



Responsable travaux entreprise: **DUPONT Patrick 161111**  
Responsable travaux CERN (WSS): **DURAND Brigitte 162222**  
EN-ACE: **Facility Coordinator 163333**

# AC Loads requirement, 157 and 251

Resume of the needs of the users on the UPS network

From Marco P. EN-EL

User	Power demand	Building	Equipment	Not necessary	If possible	Obligatory
EN-STI	7,5 KVA	157				
TE-MPE	1 KVA	157				
TE-VSC	5 KVA	157				
IT	11 KVA	157				
IT	2 KVA?	251				
TE-MPE	1 KVA	251				
BE-CO	2 KVA?	251				
CLOUD	7 KVA	157				
IRRAD	5 KVA	157				

**TOTAL 41,5 KVA**

**To be added 26,5 KVA**

User example	Power demand	Building	Equipment	Not necessary	If possible	Obligatory
EN-EA	Total 10 KVA	530	Work rack R-007			
	4KVA		Coffee machine			✓
	2KVA		Desk lamp		✓	
	4KVA		Parking light	✓		

# Questions?



**EAST AREA RENOVATION**

