

EN-EL proposal to execute some activities during PSB Hardware Commissioning tests

FOM meeting, Tuesday 30 June 2020

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Background

- Some works of the electrical consolidation project in buildings 361 and 364 had to be postponed according to the new Booster IST planning. The new proposed dates for these zones are during the HWC period.
- The electrical renovation of building 37 had been re-scheduled to September/October 2020. This activity is not in a "machine zone" but there is one intervention to be done in bldg. 361.

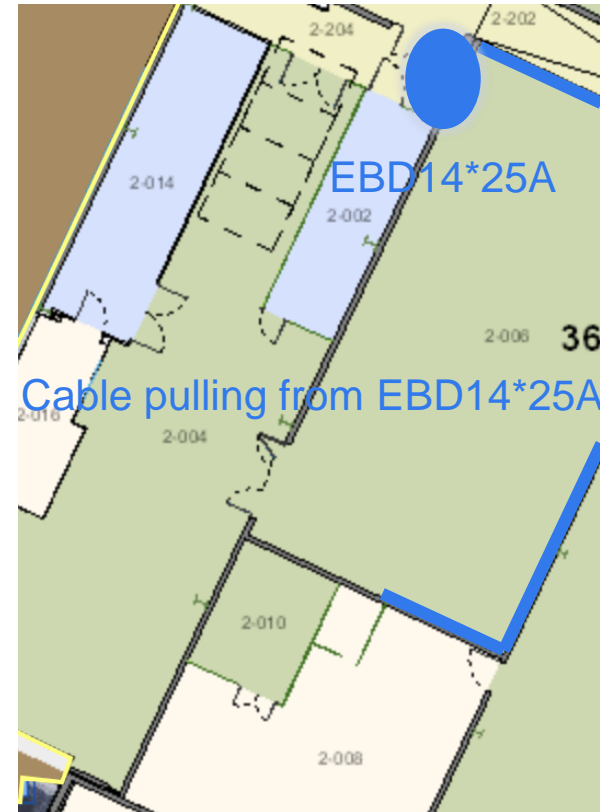
Works presented here will be undertaken by EN-EL staff, FSU's and contractors (S213).

A preliminary visit with BE/OP has been done the 11/06.

Works presented for approval

- **364-361:** General services renovation of rooms 361/2-008, 361/2-010, 364/2-014, 364/2-016. *July 2020*
- **361:** General services renovation of rooms 361/2-004, 361/2-006. *September 2020*
- **37:** General services renovation of building 37. Cable pulling in 361/BAT. *September/October 2020*

361 – Partial 2nd floor & 364 – 2nd floor



Where: 361/2-008, 361/2-010, 364/2-014, 364/2-016 (BE/RF laboratories)

When: from 06/07/20 to 07/08/20

What: Installation of new socket outlet boxes and new lighting system supplied from the existing EBD14*25A

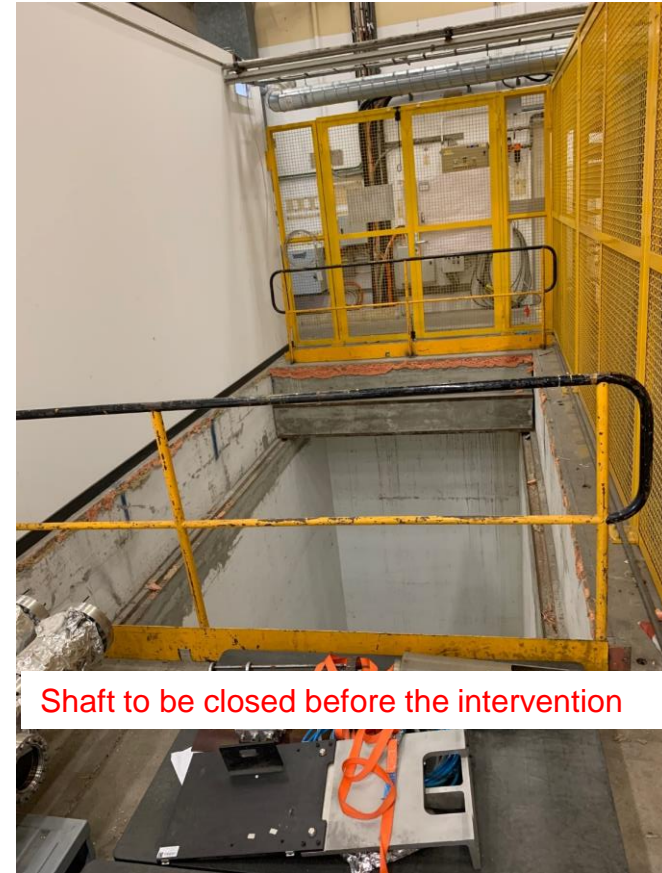
Procedure: Removal of the old infrastructure and installation of new equipment after the strip out.

Risks: Activation of AUG button due to accidental human action. Trip of EBD1*25 (supply of EDD1*25A and EDD2*25A – normal supplies of BCER/BAT racks)

361 – Partial 2nd floor



361 – Partial 2nd floor



Where: 361/2-004, 361/2-006

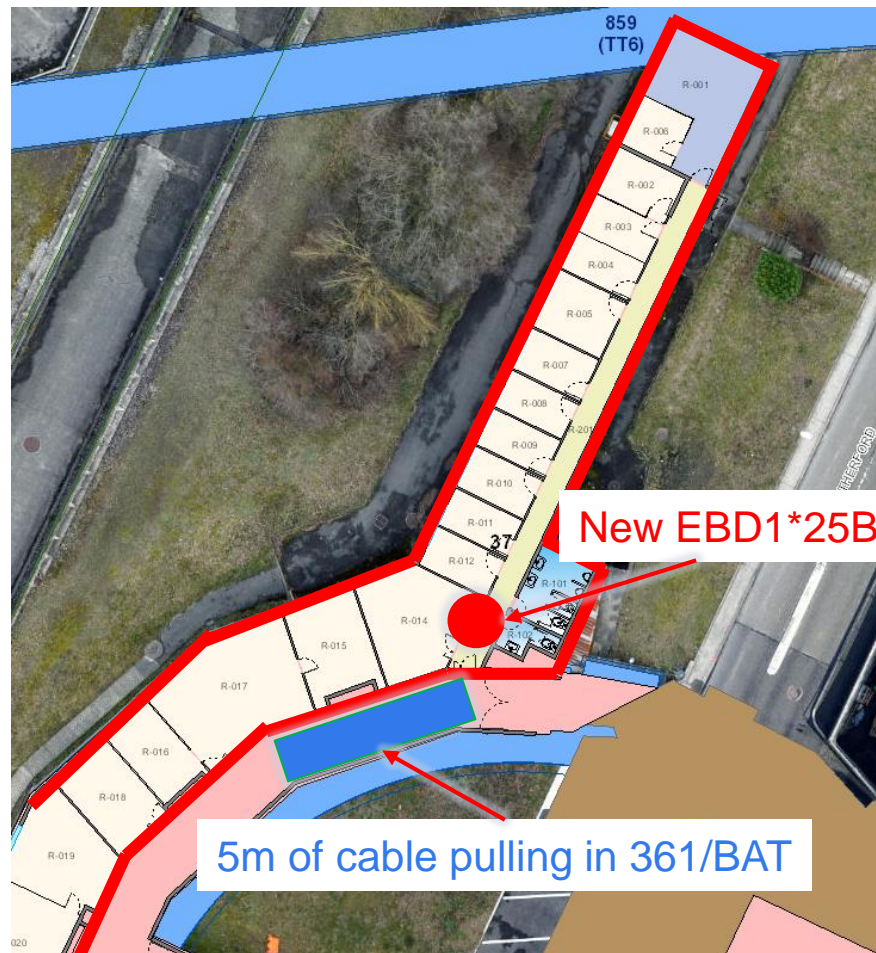
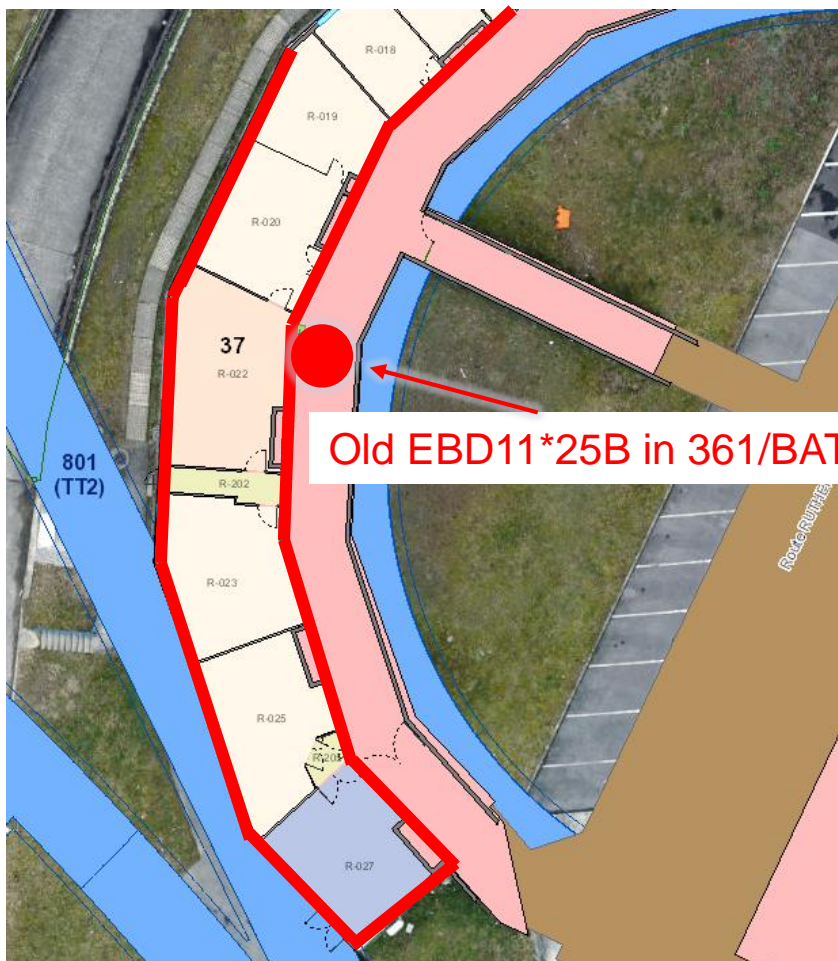
When: from 02/09/20 to 02/10/20 (once shaft closed)

What: Installation of new socket outlet boxes and new lighting system supplied from the existing EBD14*25A

Procedure: Removal of the old infrastructure and installation of new equipment after the strip out.

Risks: Activation of AUG button due to accidental human action. Trip of EBD1*25 (supply of EDD1*25A and EDD2*25A – normal supplies of BCER/BAT racks)

37 – Ground floor



37 – Ground floor (works in 361/BAT)

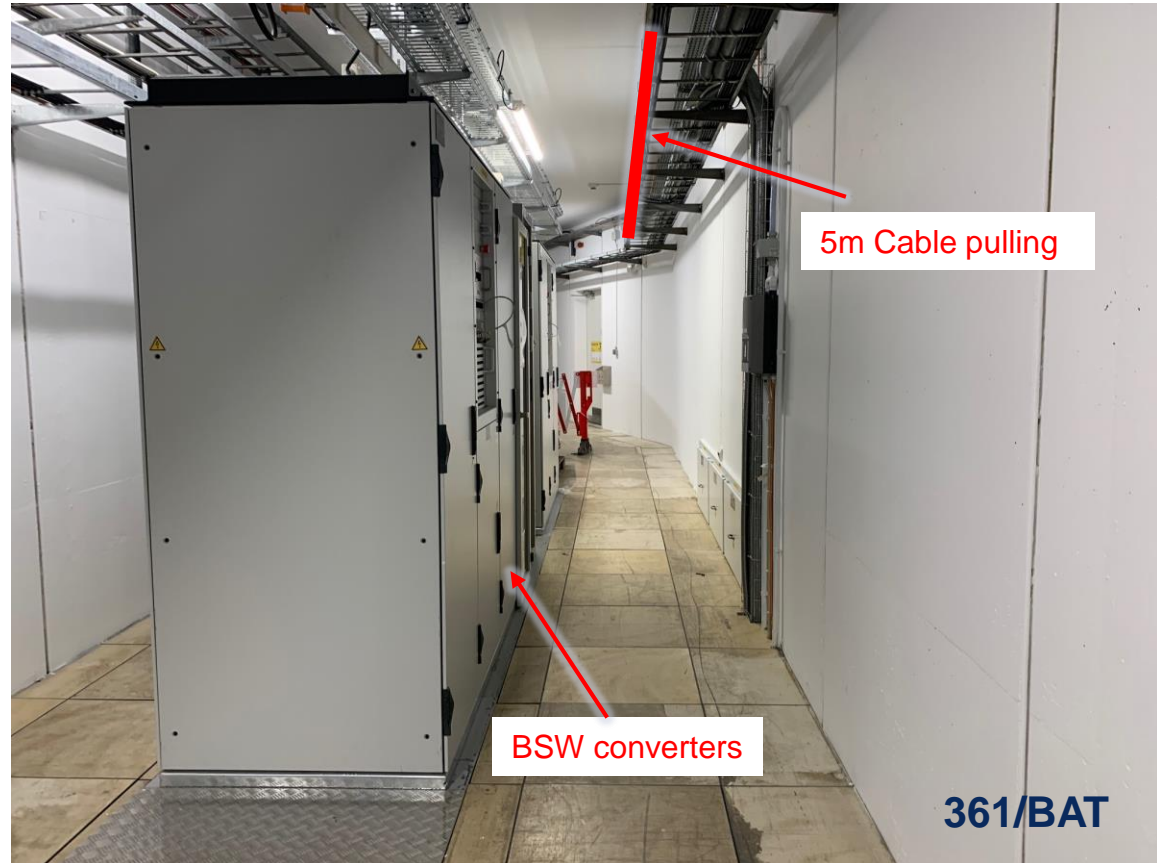
Where: ground floor of building 37 + 5m of 361/BAT

When: From 14/09/20 to 02/11/20

What: Installation of new cabling, socket outlets, lighting system, and a new switchboard for general services using the old supply (5m cable to be pulled in the 361/BAT)

Procedure: For the cable pulling in 361/BAT, the BSW converters have to be turned off and covered to protect the connectors. The strip out of the old EBD11*25B will be done in a future shutdown (as recommended by BE/OP).

Potential issues: Need to relocate offices' users of bldg 37 during the works. Supply cable passes through Bldg. 361 near the BSW converters. Trip of EBD1*25 (supply of EDD1*25A and EDD2*25A – normal supplies of BCER/BAT racks)





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