

The Upgrading Project of LNS - POTLNS

Outline

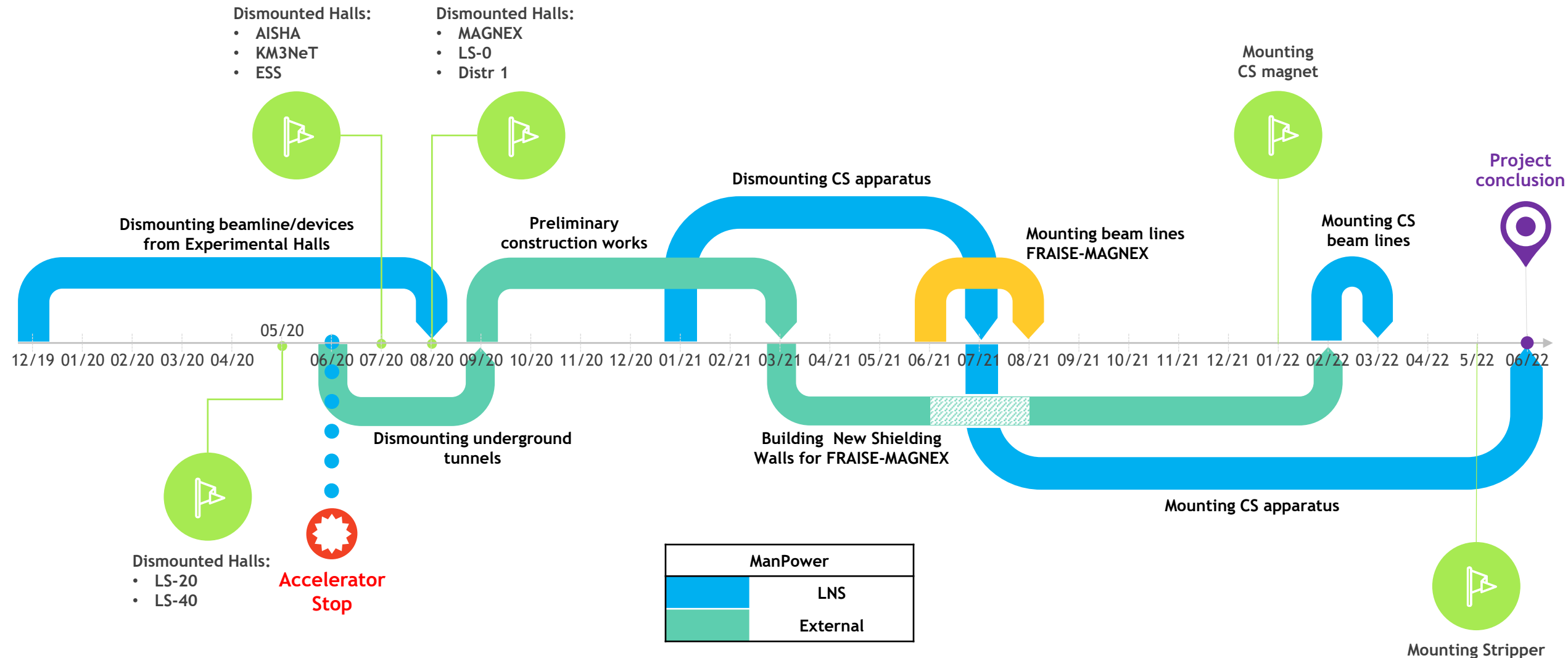
The general time schedule of different project phases is presented in slide 2

Activities and involved areas for each singular phase are presented in slides 3 - 14

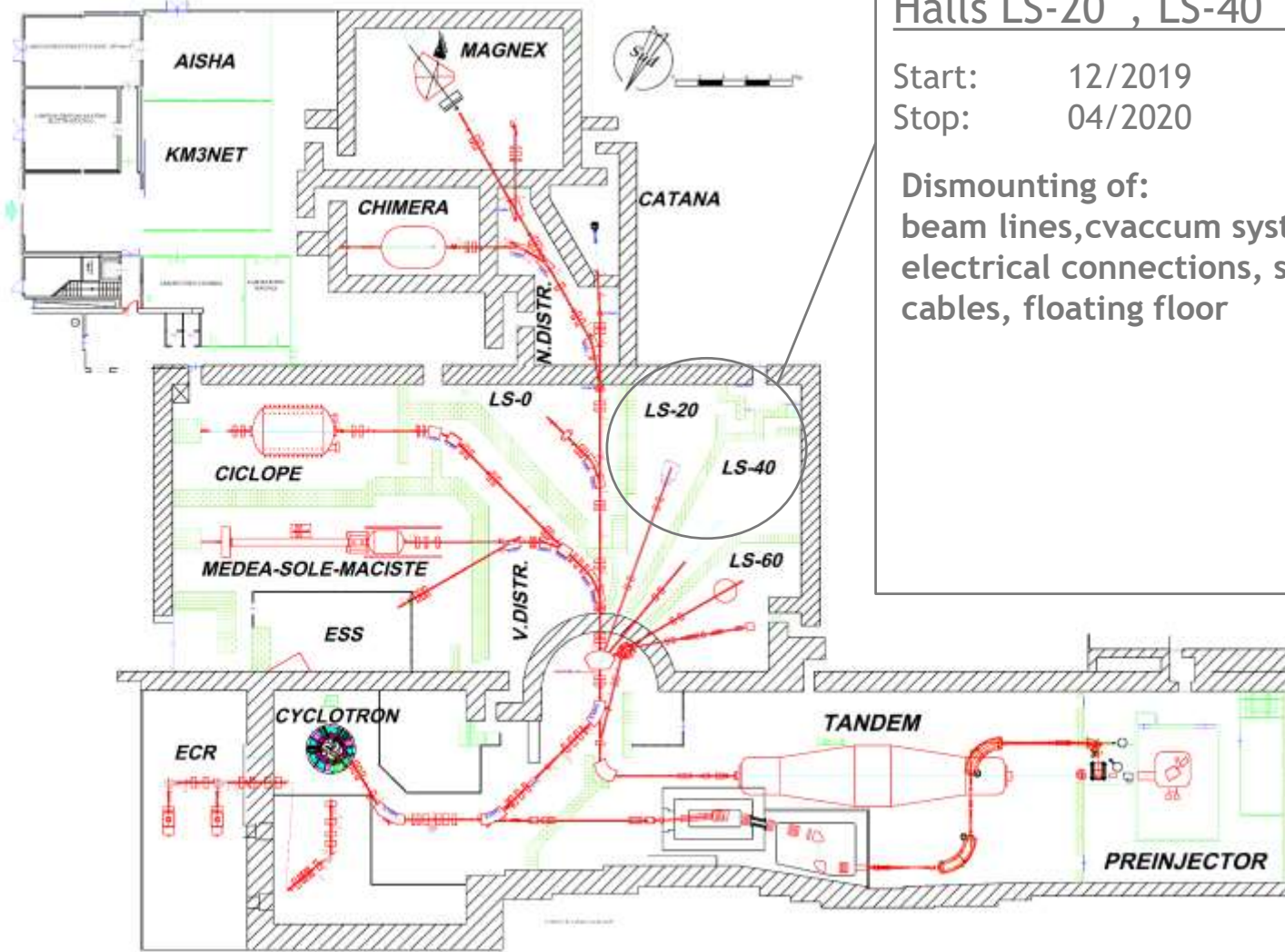
Occupation periods for each area as a function of each project phase are summarized in slide 15

Additional information are given in slide 16

General Time Schedule



Dismounting beamline/devices from Experimental Halls 1/5



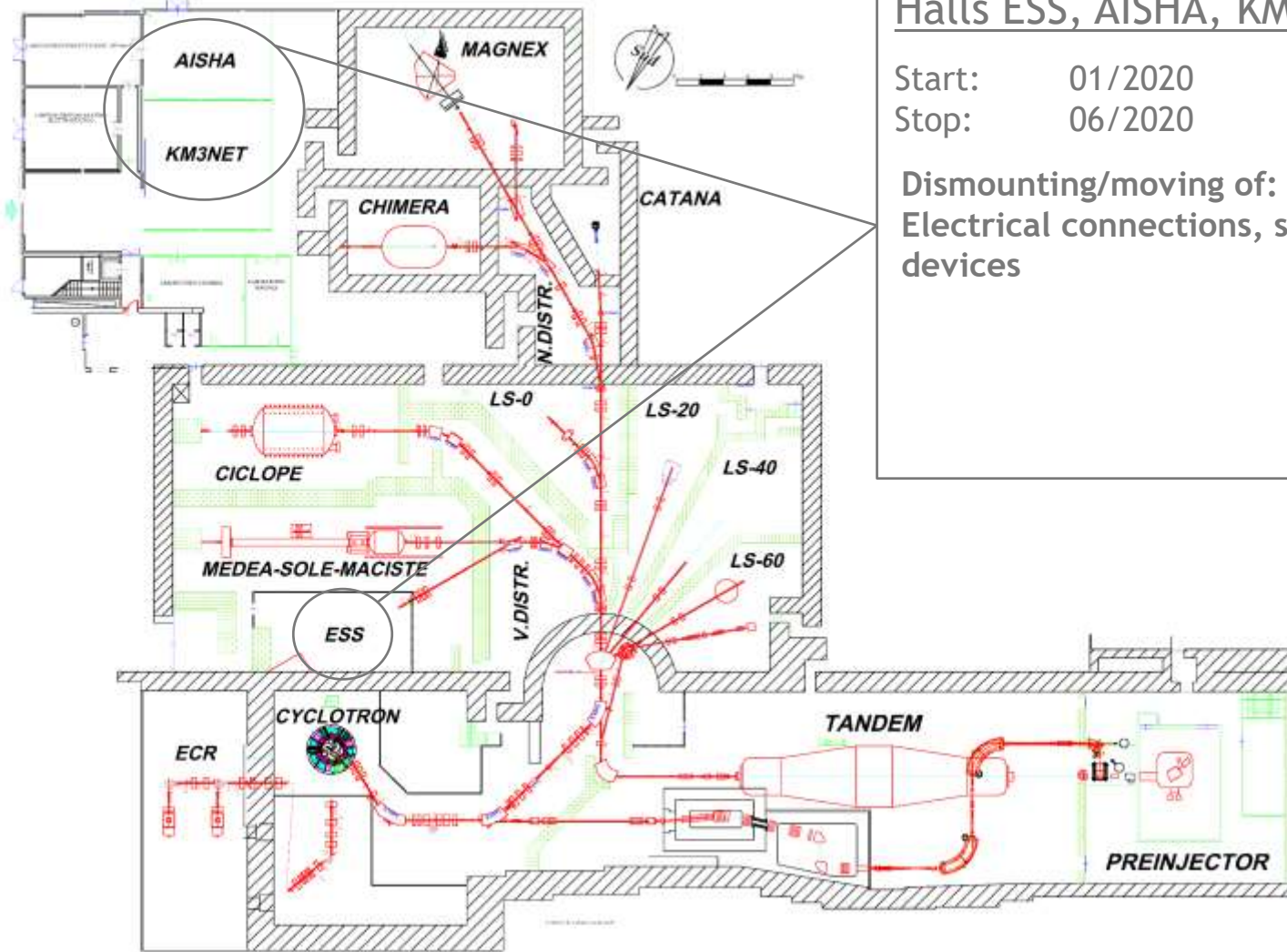
Halls LS-20°, LS-40°

Start: 12/2019
Stop: 04/2020

Dismounting of:
beam lines, vacuum systems,
electrical connections, signal
cables, floating floor



Dismounting beamline/devices from Experimental Halls 2/5



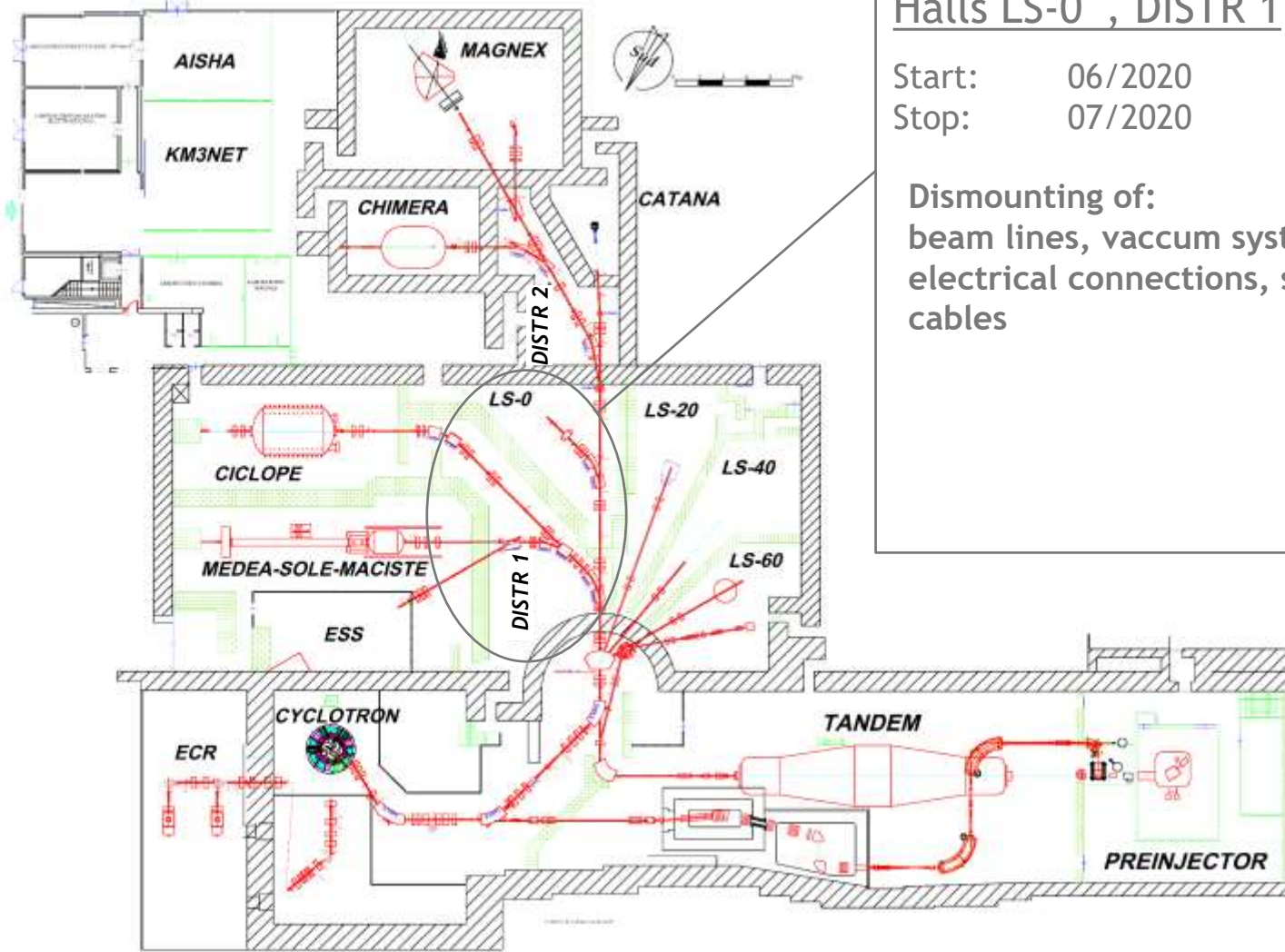
Halls ESS, AISHA, KM3NET

Start: 01/2020
Stop: 06/2020

Dismounting/moving of:
Electrical connections, sources,
devices



Dismounting beamline/devices from Experimental Halls 3/5



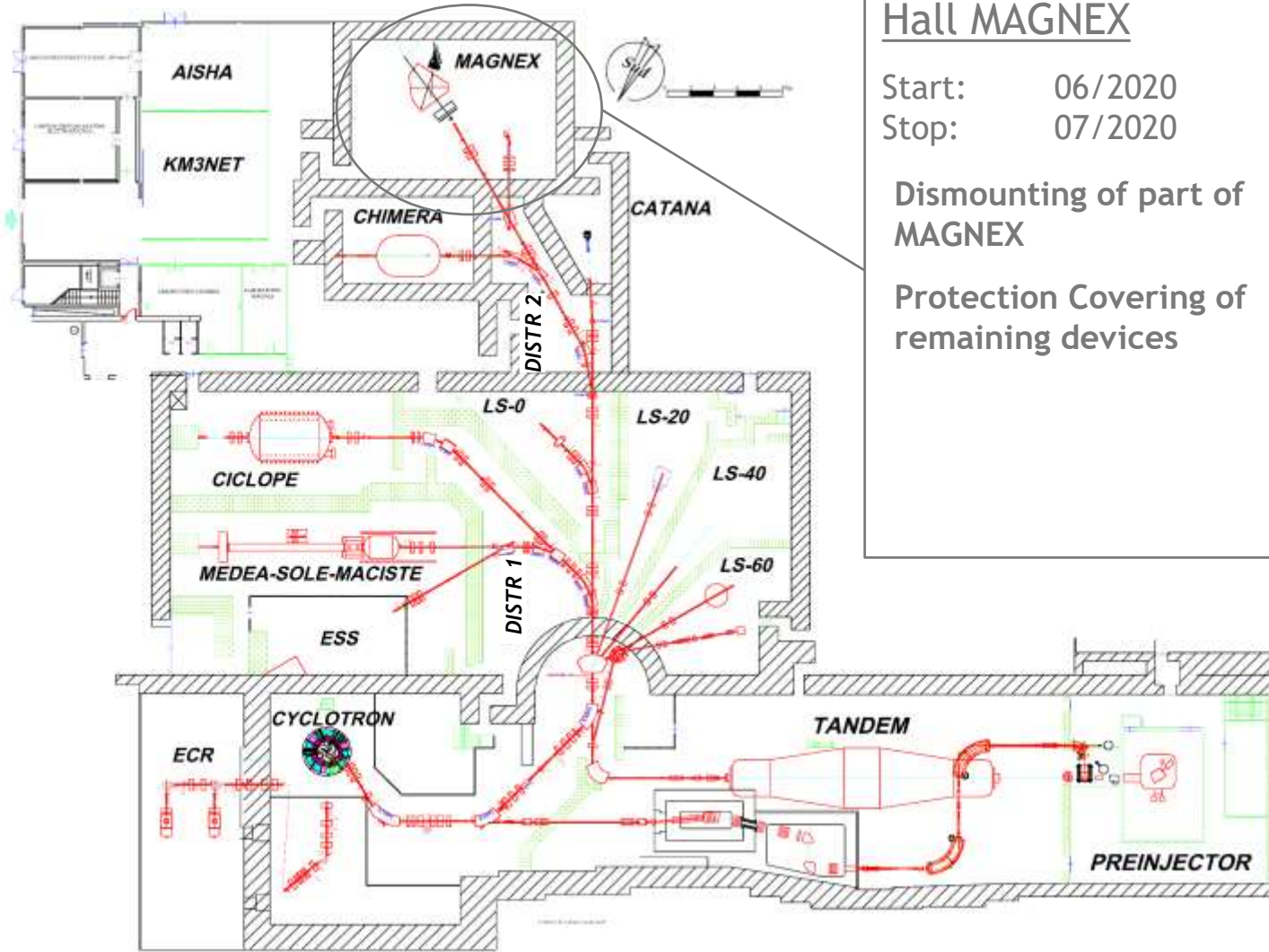
Halls LS-0°, DISTR 1

Start: 06/2020
Stop: 07/2020

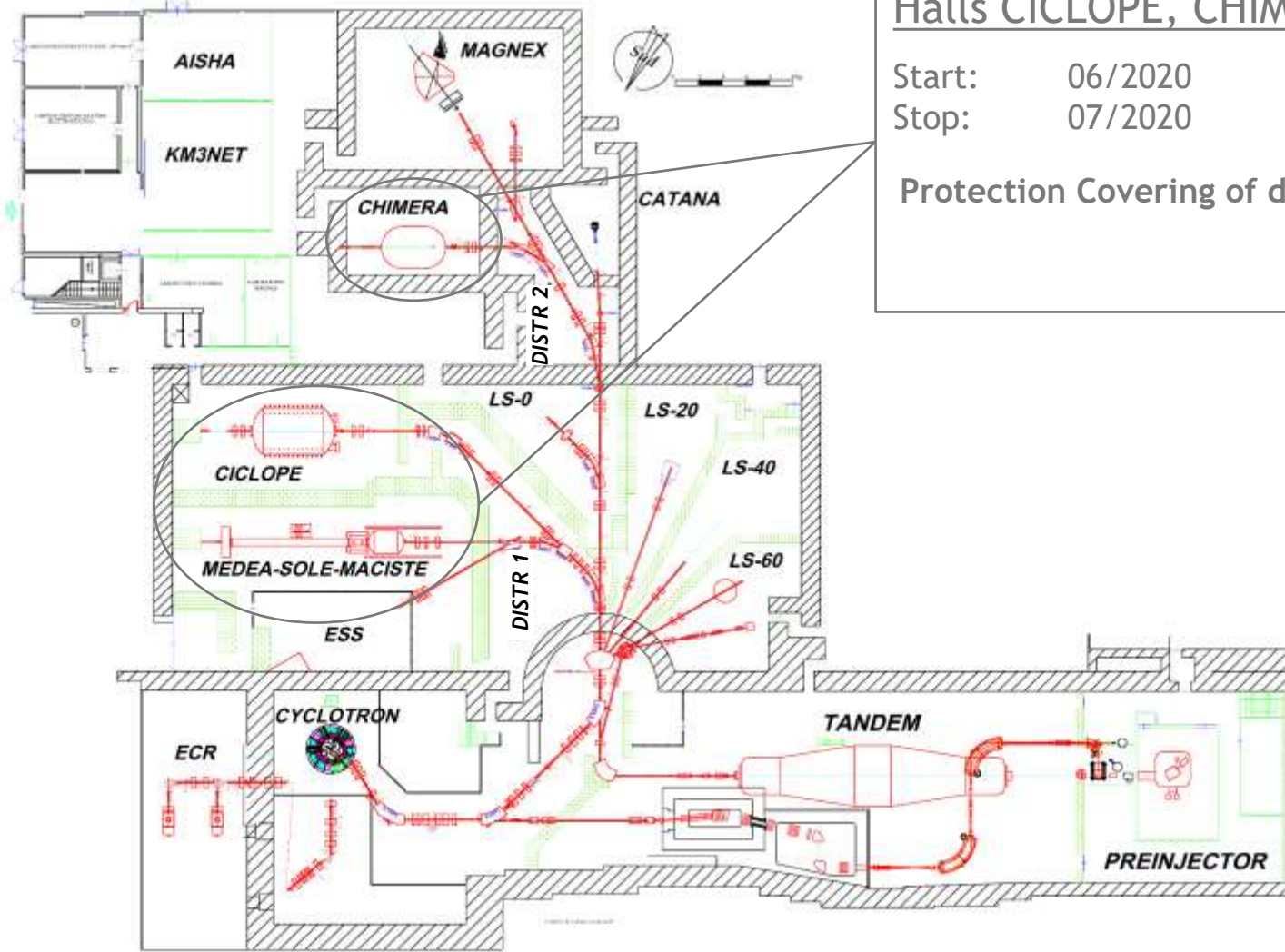
Dismounting of:
beam lines, vaccum systems,
electrical connections, signal
cables



Dismounting beamline/devices from Experimental Halls 4/5



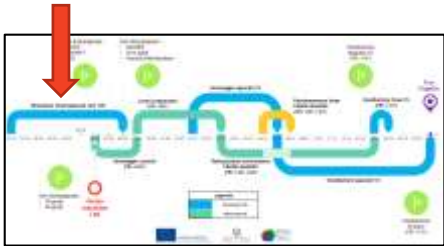
Dismounting beamline/devices from Experimental Halls 5/5



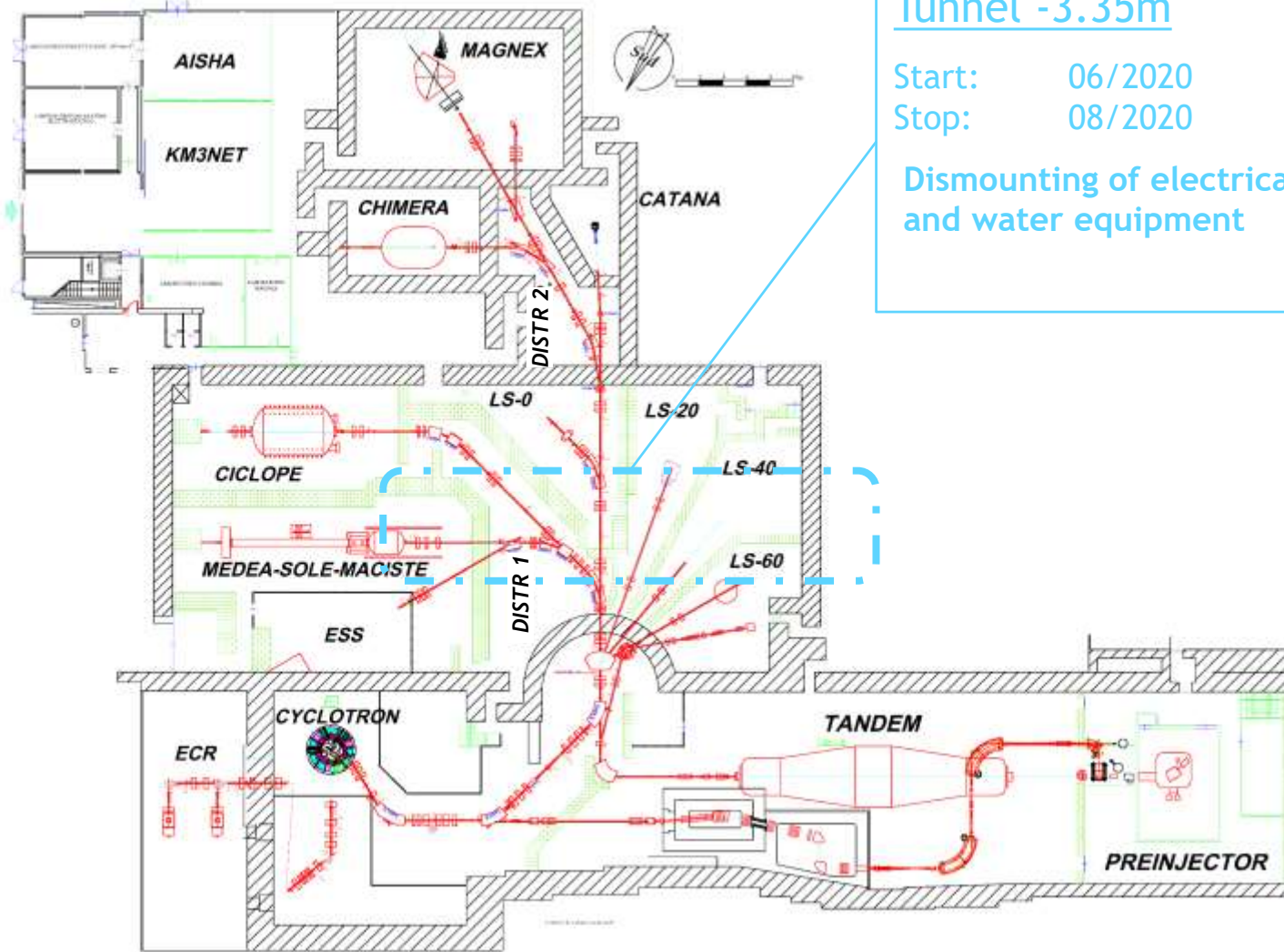
Halls CICLOPE, CHIMERA, MEDEA

Start: 06/2020
Stop: 07/2020

Protection Covering of devices



Dismounting underground tunnels



Tunnel -3.35m

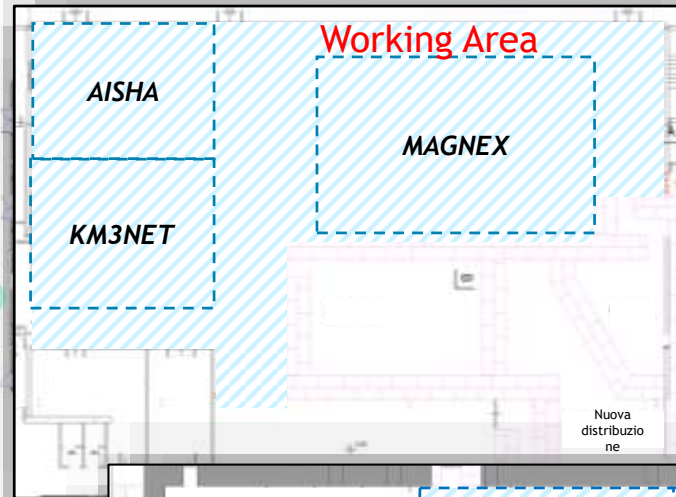
Start: 06/2020

Stop: 08/2020

Dismounting of electrical and water equipment



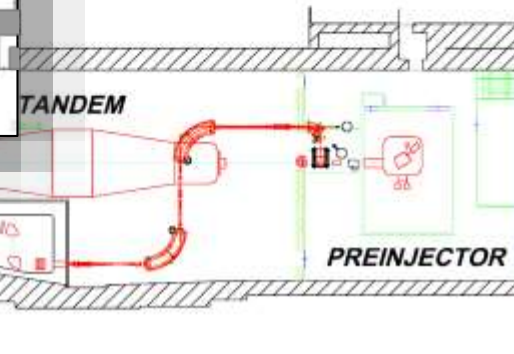
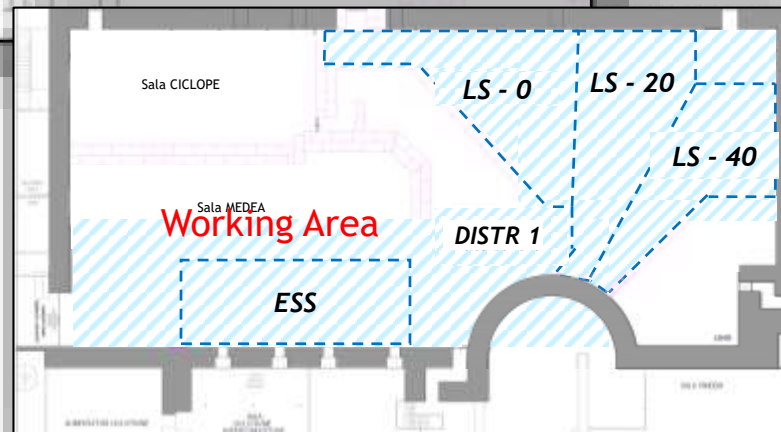
Preliminary construction works



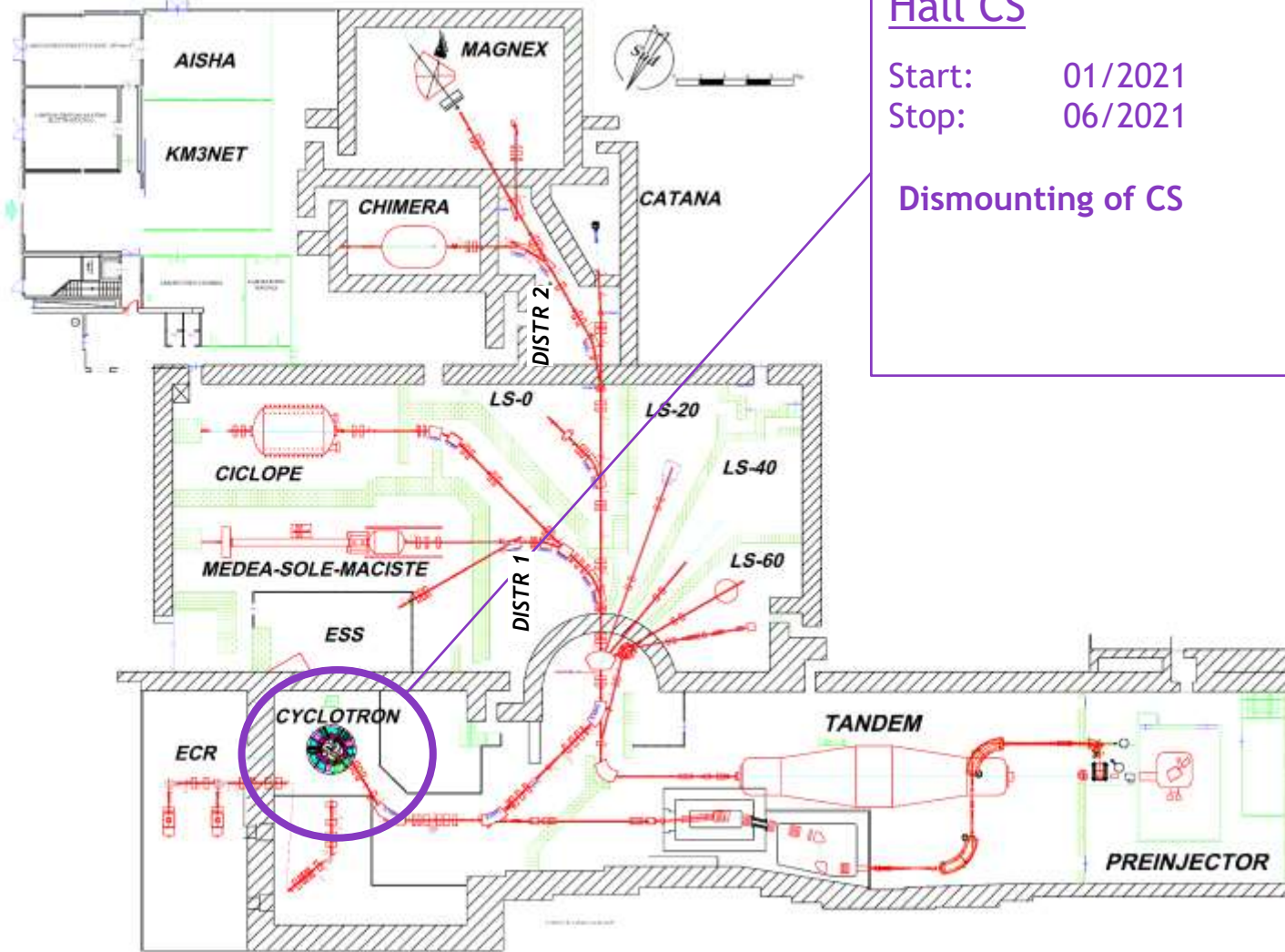
Tunnel -3.35m, Hatched Areas

Start: 09/2020
Stop: 02/2021

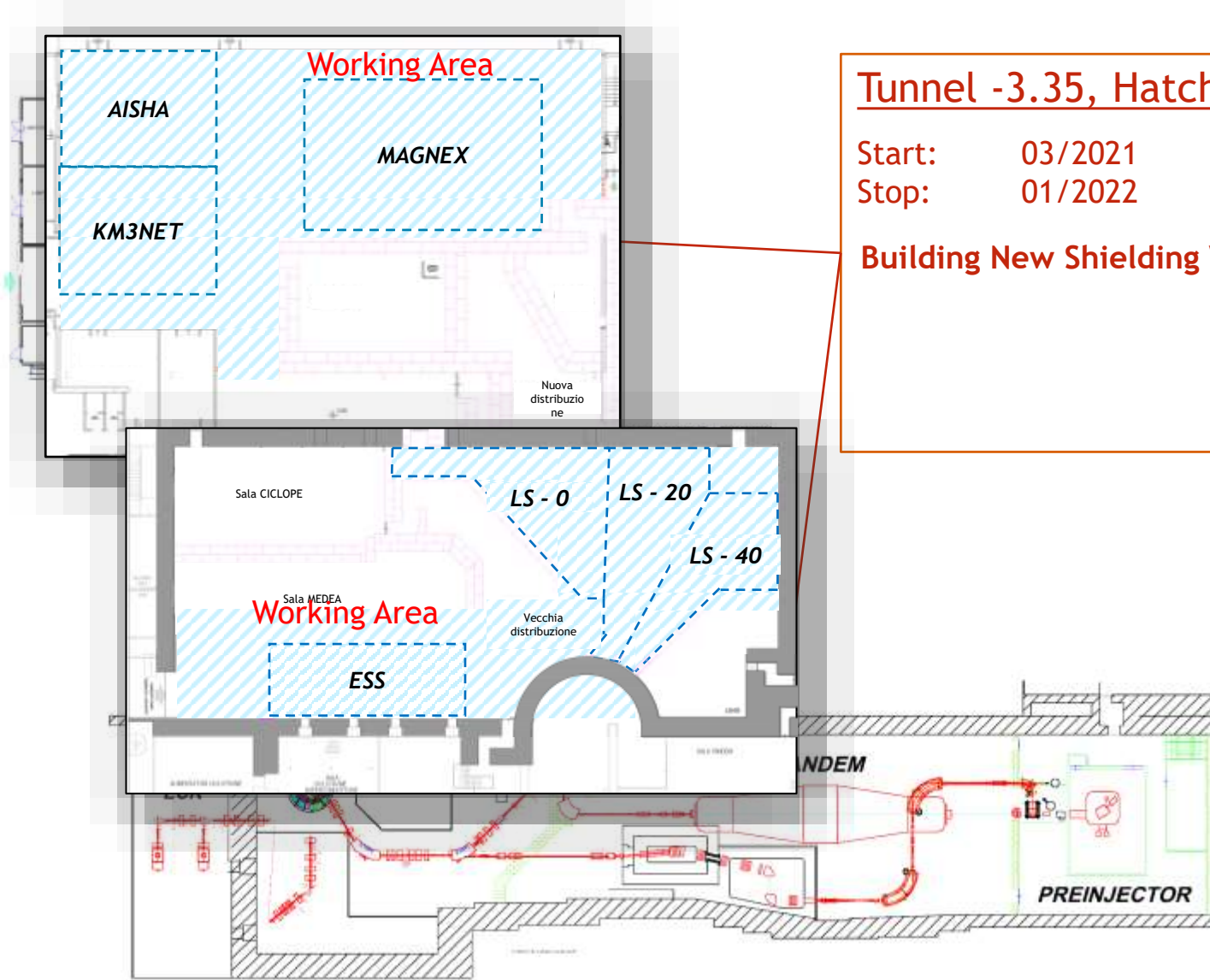
Heavy construction work:
building of basement for
new shielding walls



Dismounting CS apparatus



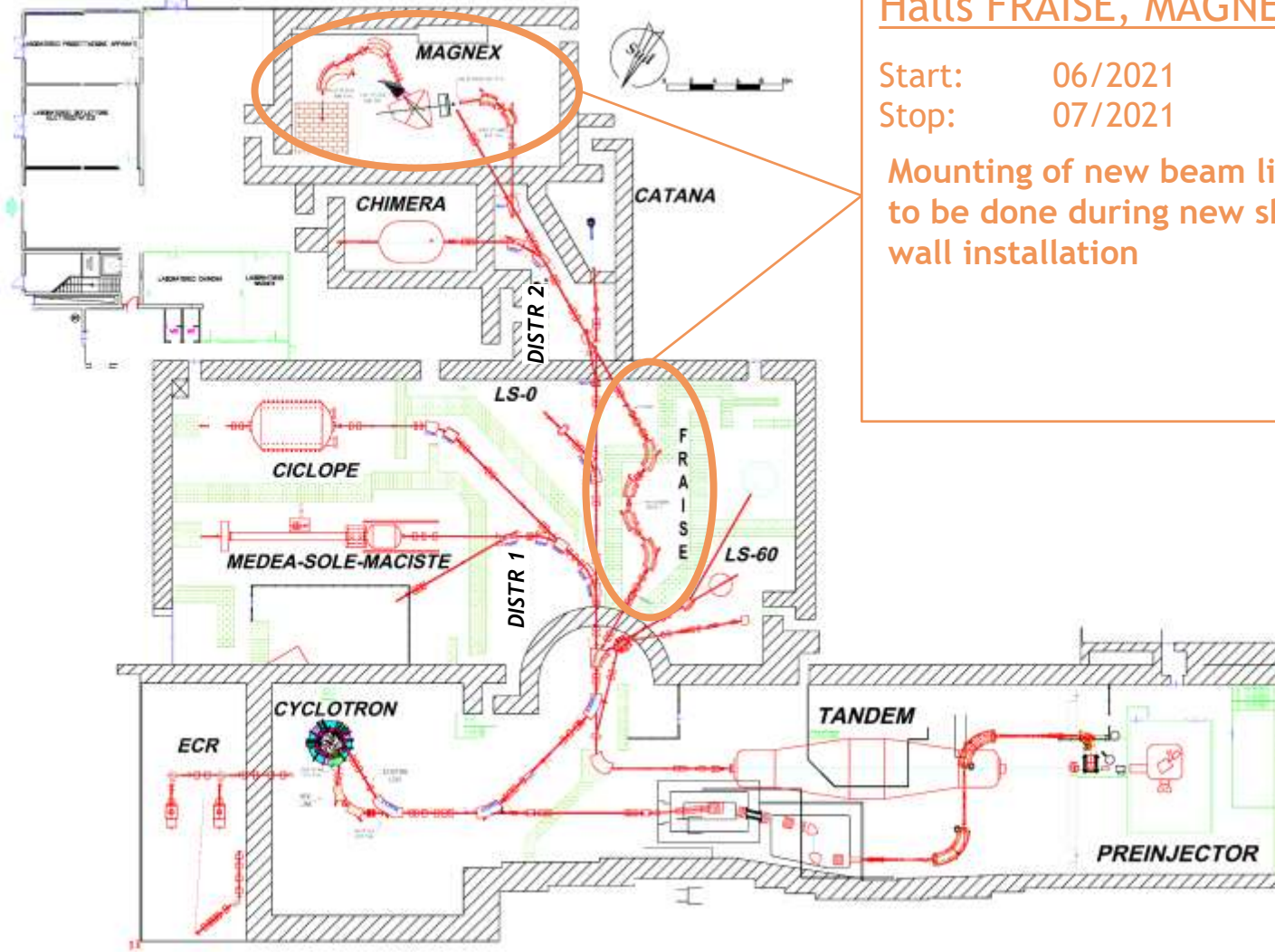
Building New Shielding Walls for FRAISE-MAGNEX



Tunnel -3.35, Hatched areas
Start: 03/2021
Stop: 01/2022
Building New Shielding Wall



Mounting beam lines FRAISE-MAGNEX



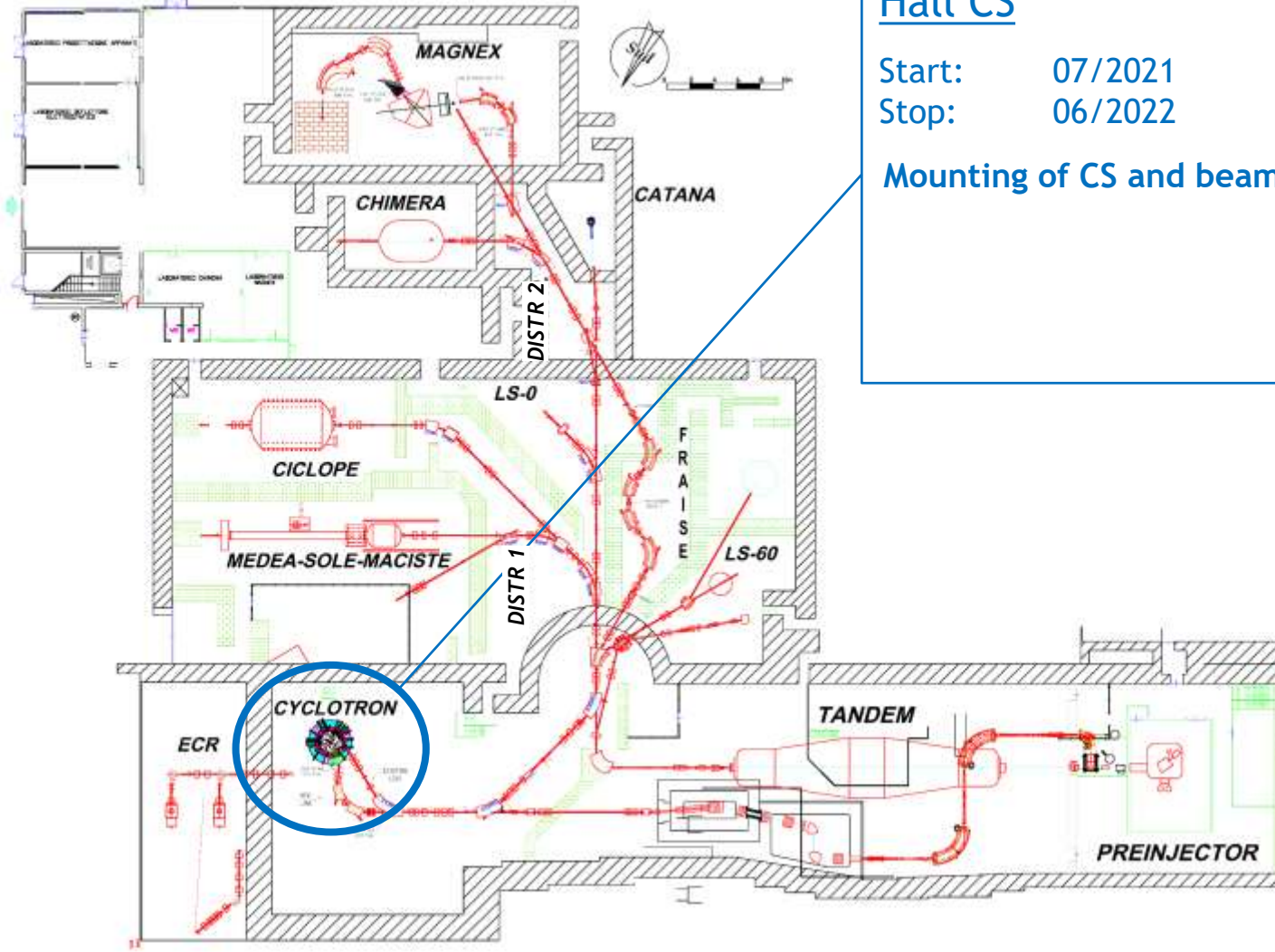
Halls FRAISE, MAGNEX

Start: 06/2021
Stop: 07/2021

Mounting of new beam lines,
to be done during new shielding
wall installation



Mounting CS apparatus and beam lines


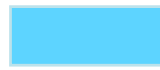







Hall CS
Start: 07/2021
Stop: 06/2022
Mounting of CS and beam lines



Occupation diagram of each area



-  Dismounting beamline/devices from Experimental Halls
-  Dismounting underground tunnels
-  Preliminary construction works
-  Building New Shielding Walls for FRAISE-MAGNEX

-  Mounting beam lines FRAISE-MAGNEX
-  Dismounting CS apparatus
-  Mounting CS apparatus and beam lines

Additional Information

Beam lines of LS-0 and DISTR 1 will be recovered during or after the new shielding wall installation

LS-60 Hall will probably be affected by preliminary construction works and by the building of new shielding Walls - > beam line repositioning and other activities

Equipment moved from involved areas will be temporarily stocked in various places in the main building and in a stocking area built on purpose in the north parking

Also some areas external to the main building (parking, driveway) will be occupied in some periods by constructions site accessories

Further information will be given as far as the works will progress