

Project manager

Project dates

01-Feb-2017 - 10-Jan-2023

Completion

0%

Tasks

95

Resources

0

Tasks

Name	Begin date	End date	Duration
Start of Bunker Access	01/11/19	01/11/19	0
End of Bunker Access	01/05/20	01/05/20	0
Access to E02-2	15/10/19	15/10/19	0
Access to E02-1	27/04/19	27/04/19	0
Access to E01	27/04/19	27/04/19	0
TG2	01/02/17	01/02/17	0
TG3	01/02/18	01/02/18	0
TG4	01/10/19	01/10/19	0
TG5	10/01/22	10/01/22	0
BEER	01/03/17	09/01/23	2141
Cold commissioning	01/09/21	07/01/22	129
<i>Testing of an integrity of the whole instrument.</i>			
Hot commissioning	10/01/22	09/01/23	365
Cave	01/03/17	20/09/21	1665
<i>NPI</i>			
RP cave	01/03/18	01/03/18	0
<i>Readiness for cave procurement</i>			
Design	01/03/17	28/02/18	365
RI cave	26/05/20	26/05/20	0
<i>Experiment cave ready to install.</i>			
Cave shielding	01/07/19	24/12/20	543
Procurement&Fabrication	01/07/19	23/08/20	420
<i>120 days of procurement 10 months for fabrication</i>			
Installation&Integration	27/08/20	24/12/20	120
Cave platform	27/09/19	23/08/20	332
Procurement&Fabrication	27/09/19	23/05/20	240
<i>120 days of procurement 4 months for manufacturing on site</i>			
Installation&Integration	26/05/20	23/08/20	90
Guide exchanger	30/10/18	20/09/21	1057
Design	30/10/18	27/04/19	180
Procurement&Fabrication	01/05/19	25/02/20	301
<i>120 of procurement 6 months of manufacturing</i>			
Installation&Integration	25/12/20	20/09/21	270
Cave equipment	16/09/17	26/12/21	1563
<i>NPI</i>			
<i>Include - sample positioning system, accessories, echangable focussing section, slits, etc. MCA included here.</i>			
RP MCA	02/08/18	02/08/18	0
<i>Readiness for MCA procurement.</i>			
Design	16/09/17	01/08/18	320
Procurement&Fabrication	01/12/19	24/12/20	390
<i>6 months for delivery and 4 months for procurement.</i>			
Installation&Integration	25/12/20	26/12/21	367
Hutch	05/12/17	22/06/21	1296
<i>NPI</i>			

Tasks

Name	Begin date	End date	Duration
RP hutch <i>Readiness for hutch procurement</i>	03/07/18	03/07/18	0
Design	05/12/17	02/07/18	210
Procurement&Fabrication	23/03/19	26/03/20	370
RI hutch <i>Control hutch ready to install.</i>	24/01/21	24/01/21	0
Installation&Integration <i>Related to the cave installation and delayed 30 days after cave installation start.</i>	24/01/21	22/06/21	150
Optics	01/03/17	13/03/21	1474
Insert <i>HZG</i>	01/03/17	14/03/19	744
Insert installed	15/03/19	15/03/19	0
RP insert <i>Readiness for insert procurement</i>	01/09/17	01/09/17	0
Insert-Desing <i>Final design starts as Phase 2. Finish in Q3 2017.</i>	01/03/17	31/08/17	184
Procurement&Fabrication <i>Fabrication is about 130 days - 2-3 week/m for 6 meters. Procurement is same 130 days. Delivery 1 month before installation. Installation Q1 2019.</i>	01/09/17	18/05/18	260
Installation&Integration <i>Installation and alignment - 60 days</i>	14/01/19	14/03/19	60
Transport section <i>NPI</i>	01/03/17	25/08/20	1274
Transport-section design	01/03/17	06/10/17	220
Procurement&Fabrication <i>120 meters of guide - 18 month - 540 days. 120 days of procurement 2 months reserve</i>	11/10/17	30/09/19	720
RI optics <i>Neutron optics outside the bunker ready to install.</i>	01/10/19	01/10/19	0
Installation&Integration <i>330 days of installation and alignment. Expected installation from cave to bunker because E02-1 (closer to E01 - 27/4/2019) will be accessible before E02-2 (15/10/2019).</i>	01/10/19	25/08/20	330
RP optics and shielding <i>Readiness for optics and shielding procurement</i>	01/03/18	01/03/18	0
Bunker section <i>HZG</i>	01/03/17	30/04/20	1157
Bunker-guide Design	01/03/17	28/02/18	365
Procurement&Fabrication <i>22 meters of guide - 2-3 weeks/m - 380 days. 120 days of procurement 3 months reserve + shipement</i>	01/03/18	21/10/19	600
RI optics <i>Neutron optics inside the bunker ready to install.</i>	01/11/19	01/11/19	0
Installation&Integration <i>Installation can't start before 1/11/2019 - crane access to D03</i>	01/11/19	30/04/20	182
Bunker throughtput	05/01/18	29/09/19	633
Design	05/01/18	04/05/18	120

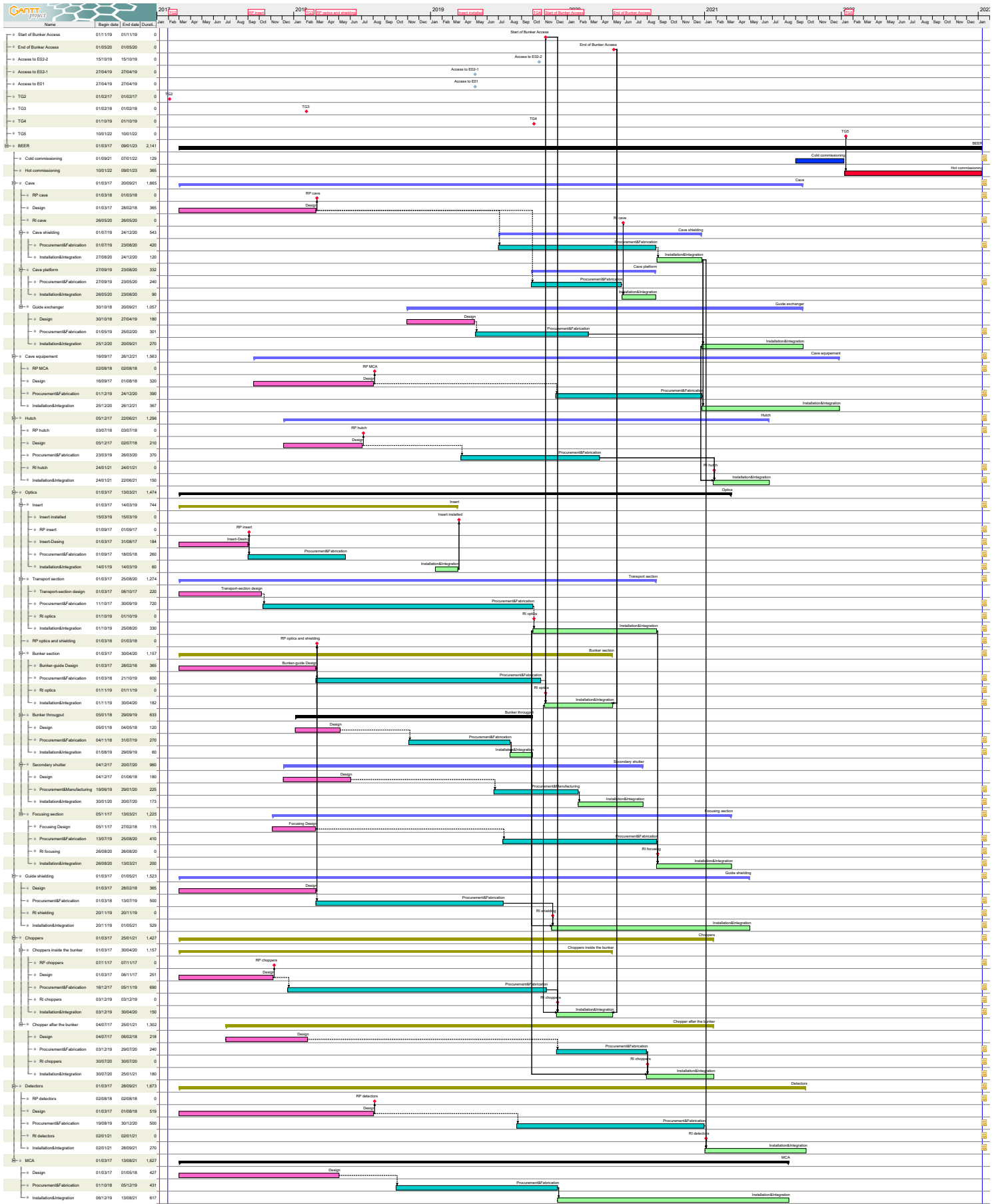
Tasks

Name	Begin date	End date	Duration
Procurement&Fabrication <i>120 days of procurement 150 days of fabrication</i>	04/11/18	31/07/19	270
Installation&Integration <i>Bunker waal will be installed Aug/2019</i>	01/08/19	29/09/19	60
Secondary shutter	04/12/17	20/07/20	960
Design	04/12/17	01/06/18	180
Procurement&Manufacturing <i>120 days of procurement 150 days of manufacturing</i>	19/06/19	29/01/20	225
Installation&Integration <i>Need to be finished before BOT</i>	30/01/20	20/07/20	173
Focusing section <i>NPI</i>	05/11/17	13/03/21	1225
Focusing Design	05/11/17	27/02/18	115
Procurement&Fabrication <i>13 meters of focussing guide - 2-3weeks/m - 230 days. 120 days of procurement 2 months reserve</i>	13/07/19	25/08/20	410
RI focusing <i>Neutron optics inside experimental cave ready to install.</i>	26/08/20	26/08/20	0
Installation&Integration <i>Related to installation end of transport part and can start 30 days before end of transport part.</i>	26/08/20	13/03/21	200
Guide shielding <i>NPI</i>	01/03/17	01/05/21	1523
Design	01/03/17	28/02/18	365
Procurement&Fabrication <i>Transport not included</i>	01/03/18	13/07/19	500
RI shielding <i>Guide shielding ready to install.</i>	20/11/19	20/11/19	0
Installation&Integration <i>Expecting the installation in line with the guide. Start of installation with 30 days delay.</i>	20/11/19	01/05/21	529
Choppers <i>HZG</i>	01/03/17	25/01/21	1427
Choppers inside the bunker	01/03/17	30/04/20	1157
RP choppers <i>Readiness for choppers procurement</i>	07/11/17	07/11/17	0
Design	01/03/17	06/11/17	251
Procurement&Fabrication <i>120 days of procurement 4 month per chopper * 4 choppers = 18 months Plus 30 days reserve.</i>	16/12/17	05/11/19	690
RI choppers <i>Choppers inside the bunker ready to install-</i>	03/12/19	03/12/19	0
Installation&Integration <i>Need to be coordinated with the bunker guide system. Expected start 20 days after start of guide installation. Need to be finished before May/2020</i>	03/12/19	30/04/20	150
Chopper after the bunker	04/07/17	25/01/21	1302
Design	04/07/17	06/02/18	218

Tasks

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Procurement&Fabrication <i>120 days of procurement 3 month per chopper</i>	03/12/19	29/07/20	240
RI choppers <i>Chopper outside the bunker ready to install.</i>	30/07/20	30/07/20	0
Installation&Integration <i>Installation coordinated with the transport guide -> delay in installation 3 month after guide installation start.</i>	30/07/20	25/01/21	180
Detectors <i>HZG</i>	01/03/17	28/09/21	1673
RP detectors <i>Readiness for detectors procurement</i>	02/08/18	02/08/18	0
Design	01/03/17	01/08/18	519
Procurement&Fabrication <i>120 days of procurement 6 months per detector (detector + portal + colimators) * 2 detectors = 12 month</i>	19/08/19	30/12/20	500
RI detectors <i>Detectors ready to install.</i>	02/01/21	02/01/21	0
Installation&Integration <i>Related with cave installation finished. Start 20 days later that the cave is finished.</i>	02/01/21	28/09/21	270
MCA	01/03/17	13/08/21	1627
Design	01/03/17	01/05/18	427
Procurement&Fabrication	01/10/18	05/12/19	431
Installation&Integration	06/12/19	13/08/21	617

Gantt Chart



Resources Chart

