

SIS100 Status auxiliary systems

4th SIS100 Workshop
O. Ciosk
Gebäudeansprechpartner SIS100

I. SIS100 common overview

- Let's have a look into the tunnel

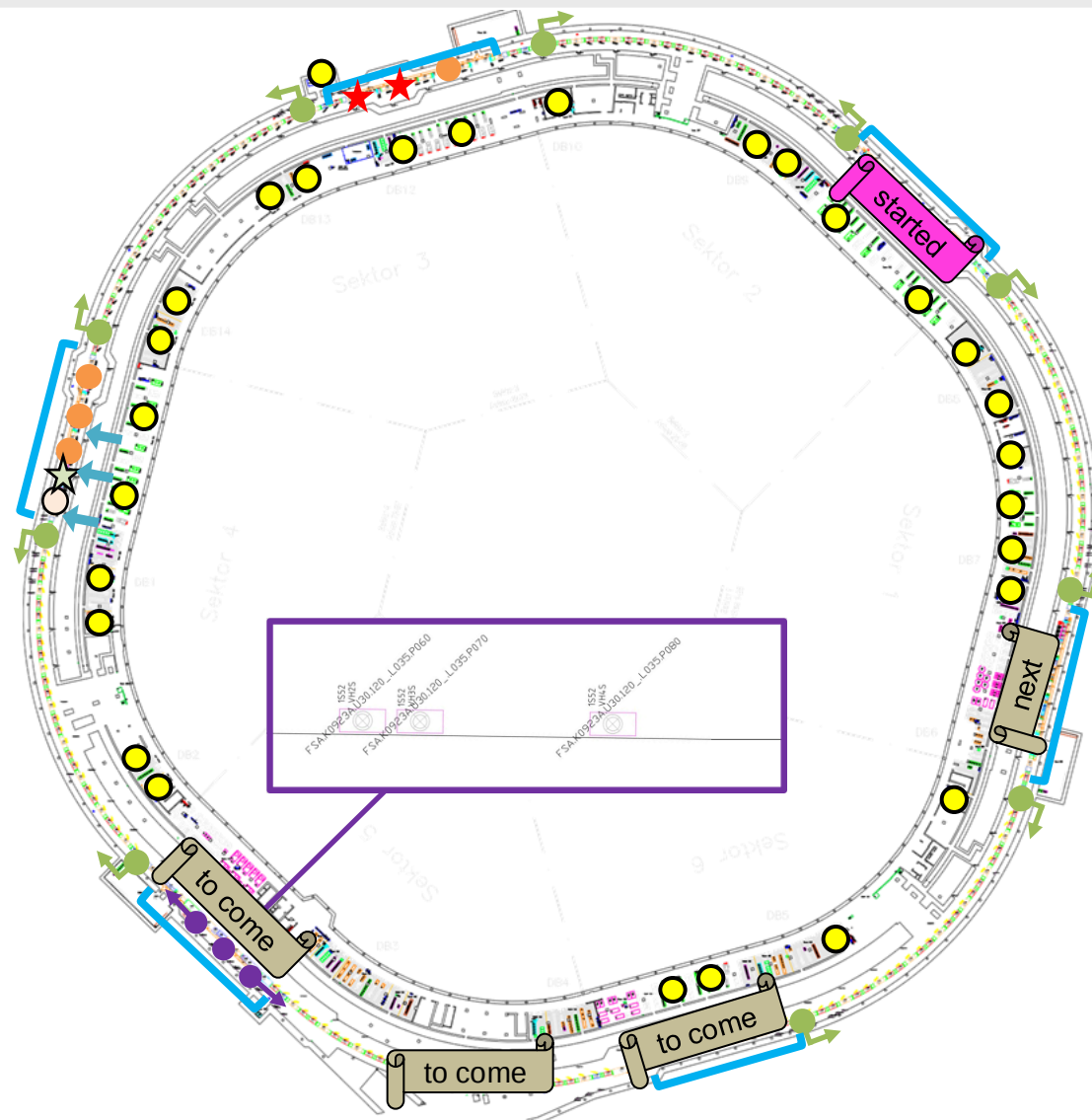
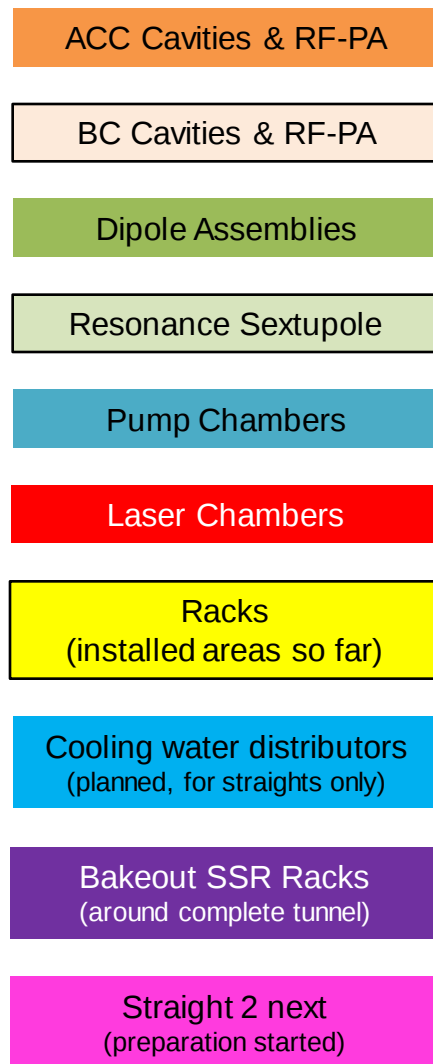
II. SIS100 Straight's & Arch's

- the components at straights and arches
- planning details for cooling water distributors

III. Rapid shutdown

- Brief overview & general topics

I. SIS100 common overview



II. SIS100 Straight's & Arch's

⇒ Components in straights and arches



straight in work



straight in work



ACC Cavity



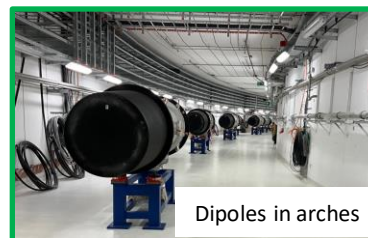
BC Cavity



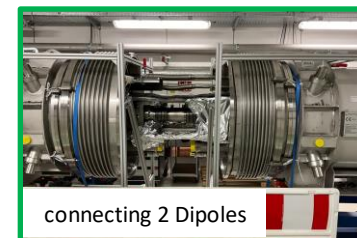
Pump Chambers



BEA Mini Rack



Dipoles in arches



connecting 2 Dipoles



Cryo-Nische 5



DCCO's Nische 5



DCCO's Nische 5



SSR Rack



SSR Rack



DCCB's transport in tunnel



DCCB's transport in room



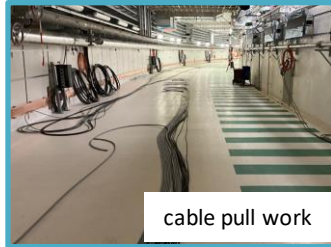
DCCB's in room

II. SIS100 Straight's & Arch's

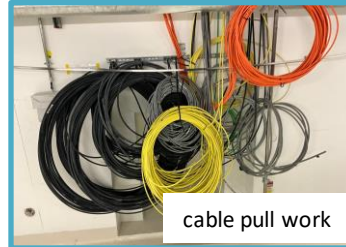
⇒ Components in straights and arches



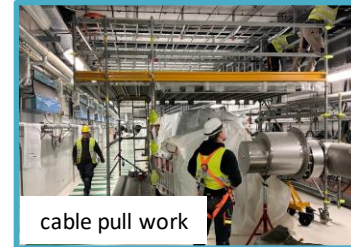
fire protection wall



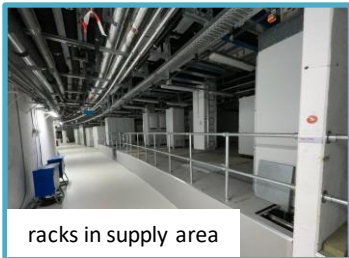
cable pull work



cable pull work



cable pull work



racks in supply area



racks in supply area



racks in supply area



crane



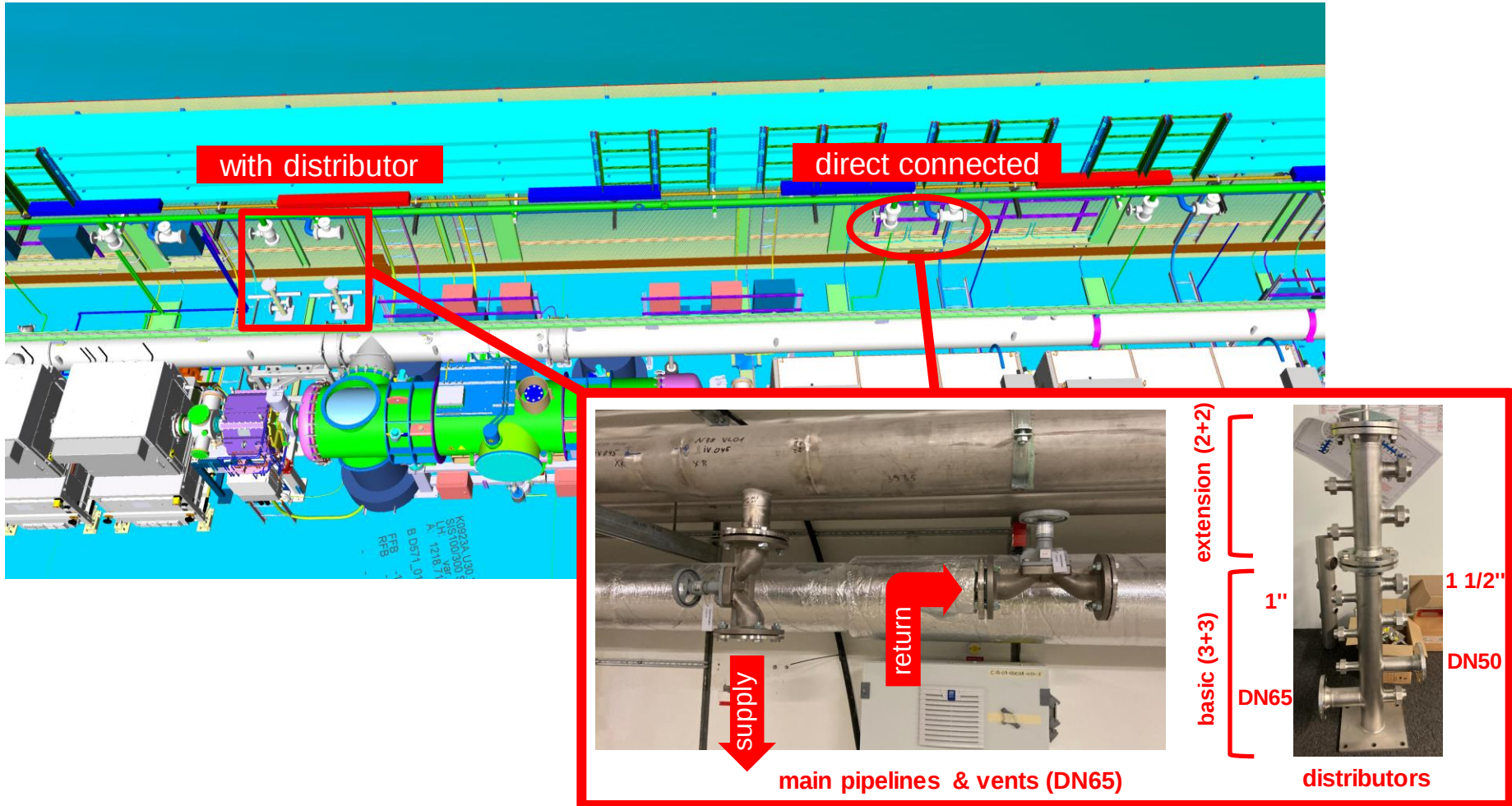
vacuum tubes and support frames



various levelling plates

II. SIS100 Straight's & Arch's

⇒ Planning for cooling water distributors

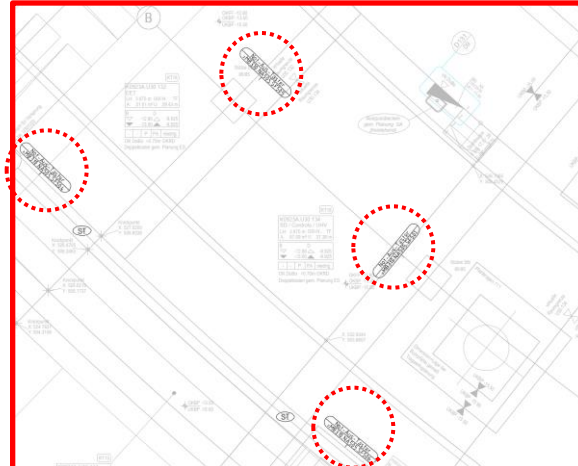
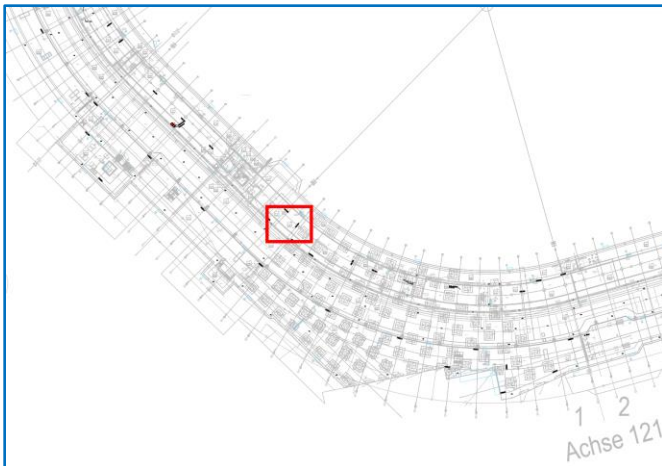


III. Rapid shutdown

⇒ Brief overview & general topics

ID No.	Component Name	Nomenclature	Technical Place	Group	Module	Description	Building	Level	Room	Roomdescription	Shutdown Areas	Mixed shutdown	Supplying power distributor	Fuse Module
1355	K0923A.U30S51.E4	K0923A.U30S51.E4	FSA.K0923A.U30.134..L020.P040	ACO	MSV 0-3	Rack	K0923A	U30	134	SD / Controls / UHV			TE310.EV821.UC001	QB8103
1594	1S51MK1E.GY	1S51MK1E.GY	FSA.K0923A.U30.116..L200.P020	RHV	MSV 0-3	Rack Ex/Em-Kicker SIS100 Modul	K0923A	U30	116	Injektion / Extraktion	K0923A.U30.116.A, K0923A.U30.120.A (S5)		TE310.EJ801.UC001	FB300
1862	3S20YM.RACK[CRY].002	3S20YM.RACK[CRY].002	FSA.K0923A.U30.324..L020.P030	CRY	MSV 4-6	Schaltanlage (4 Schaltschränke SIS300 Sektor 2)	K0923A	U30	324	Nische N3	K0923A.U30.324.A (N3)	x	TE310.EY111.UC001	QB102
1897	K0923A.U30.342#RACK301	K0923A.U30.342#RACK301	FSA.K0923A.U30.342..L040.P040	STR	MSV 0-3	Rack	K0923A	U30	342	Laserlabor	K0923A.U30.342.A		TE310.EM117.UC001	FB500
8652	3S50YQ.124#1	3S50YQ.124#1	FSA.K0923A.U30.124..L020.P010	SCM	MSV 4-6	QuD: quench detection electronics	K0923A	U30	124	Nische N5			TE310.EV821.UC001	FC600
8653	1S10YQ.224#1	1S10YQ.224#1	FSA.K0923A.U30.224..L010.P010	SCM	MSV 0-3	QuD: quench detection electronics	K0923A	U30	224	Nische N1	K0923A.U30.224.A (N1)	x	TE310.EM504.UC001	FC600
8954	K0923A.U30.264#RACK206[UPS]	K0923A.U30.264#RACK206[UPS]	FSA.K0923A.U30.264..L020.P070	BEA	MSV 0-3	SD-Rack (UPS-versorgt)	K0923A	U30	264	SD / Controls / UHV	K0923A.U30.222.A (S2), K0923A.U30.264.A		TE310.DG301.UC001	FB501
9872	1S51.134.4.RACK[UHV].06	1S51.134.4.RACK[UHV].06	FSA.K0923A.U30.134..L040.P070	VAC	MSV 0-3	Schaltschrank Steuerung/Controls Vakuum	K0923A	U30	134	SD / Controls / UHV	K0923A.U30.120.A (S5), K0923A.U30.132.A		TE310.EM827.UC001	QB111
9873	1S51VH1S	1S51VH1S	FSA.K0923A.U30.120..L035.P010	VAC	MSV 0-3	SSR Rack für 24 Kanäle (d.h. 3 Terminalboxen)	K0923A	U30	120	SIS100/300 S5	K0923A.U30.120.A (S5)	x	TE310.EM821.UC001	QB113
10478	SIS300 ACC07 Cavity	3S63BE11		RRF	MSV 4-6	SIS300 Acceleration-System Cavity	K0923A	U30	122	SIS100/300 S6			TE310.EV514.UC001	QB100
10501	SIS100 LFD1 Rack02.102	1S24BF1L.Rack02	FSA.K0923A.U30.260..L190.P020	RRF	MSV 0-3	SIS100 Longitudinal-Feedback System DAMP-Rack	K0923A	U30	260	HF	K0923A.U30.222.A (S2), K0923A.U30.260.A		TE310.EH312.UC001	FB300
10515	SIS300 ACC01 PSU	3S23BE11.GN		RRF	MSV 4-6	SIS100 Acceleration System PSU	K0923A	U30	260	HF			TE310.ET301	QA007
10777	SIS100 BC14 PSU	1S64BB12.Rack00	FSA.K0923A.U30.154..L110.P010	RRF	MSV 0-3	SIS100 Bunch-Compression System PSU	K0923A	U30	154	HF	K0923A.U30.122.A (S6), K0923A.U30.154.A	x	TE310.EH511.UC001	QB401
10870	SIS100 KO Cavity B (vertical)	1S51BO1EV	F.S.1S51.0020	RRF	MSV 0-3	SIS100 KO Cavity B (vertical)	K0923A	U30	120	SIS100/300 S5	K0923A.U30.120.A (S5)	x	TE310.EM821.UC001	FB504
10879	SIS300 KO Cavity B	3S61BO1EV		RRF	MSV 4-6	SIS300KO V Kavität B	K0923A	U30	122	SIS100/300 S6			TE310.EV514.UC001	FB501
15902	3S.C7.06	3S.C7.06	FSA.K0923A.U30.242..L040.P080	EPS	MSV 4-6	EPS Rack	K0923A	U30	242	EET	K0923A.U30.220.A (S1), K0923A.U30.242.A	x	TE310.EM522.UC001	QB103
16318	1S.56.01	1S.56.01	FSA.K0923A.U30.132..L020.P020	EPS	MSV 0-3		K0923A	U30	132	EET	K0923A.U30.120.A (S5), K0923A.U30.132.A	x	TE310.EM821.UC001	UC012
17382	1S62, Achse 126	1S62.NISCHE.A126	FSA.K0923A.U30.122..L030.P010	BEA	MSV 0-3	LOBI mini rack in niche	K0923A	U30	122	SIS100/300 S6	K0923A.U30.122.A (S6)	x	TE310.EM512.UC001	FB502
17464	1S50YQ.124#3	1S50YQ.124#3	FSA.K0923A.U30.124..L010.P030	SCM	MSV 0-3	QuD: quench detection electronics	K0923A	U30	124	Nische N5	K0923A.U30.124.A (N5)	x	TE310.EM821.UC001	FC602
17688	1S51/3/4YMQ.GN	1S51/3/4YMQ.GN	FSA.K0923A.U30.136..L050.P030	SCM	MSV 0-3	Rack	K0923A	U30	136	EET	K0923A.U30.132.A	x	TE310.EM822.UC001	FB500
17718	1S55/6/7YMQ.GN	1S55/6/7YMQ.GN	FSA.K0923A.U30.136..L050.P020	SCM	MSV 0-3	Rack	K0923A	U30	136	EET	K0923A.U30.132.A	x	TE310.EM822.UC001	FB501
23156	T3C1DT_Y.helium	T3C1DT_Y.helium		BEA	MSV 4-6	Standalone Helium Supply System for Cryogenic Cu	K0923A	U30	126	Nische HEBT	K0923A.U30.120.A (S5)	x	TE310.EM821.UC001	FB303
29222	Motor Rack Lambertson Septum	1S53MP1LS.RACK01	FSA.K0923A.U20.120..L030.P020	NCM	MSV 0-3	Rack motor control	K0923A	U20	120	Nutzerfläche			TE310.EV801.UC001	FB301

sample from list



Button on stand



Button on wall



Button on column

Finish



Thank you very much for your attention