



Landsnet – planned substation

March 2024

Substation projects in planning phase

Upcoming & Ongoing projects – April 2024

Substation Klafastaðir (KLA) – 7x220 kV bays DSBC

Substation Sigalda (SIG) – 9x220 kV bays DSBC & 1x132 kV Bay SB

Substation Ferjufit (FER) – 3x220 kV bays DSBC

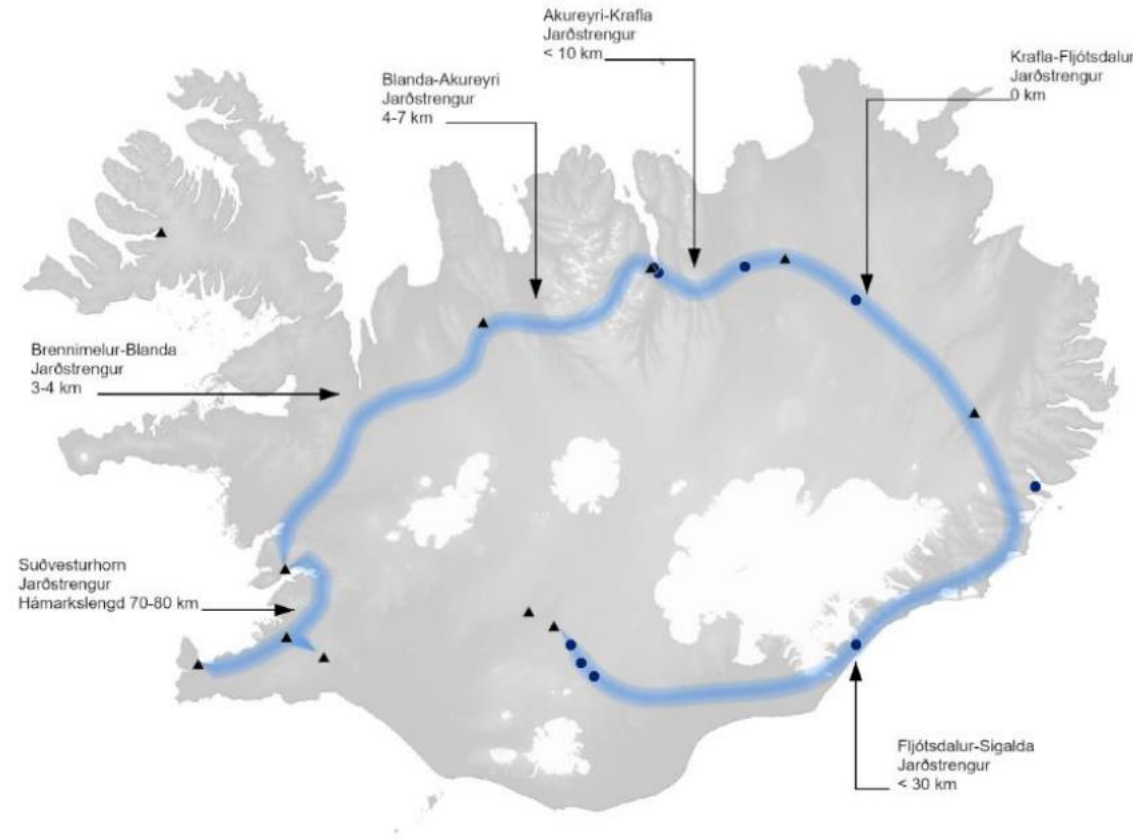
Substation Mjólká (MJO) – 7x66 kV bays DB

Indoor substations

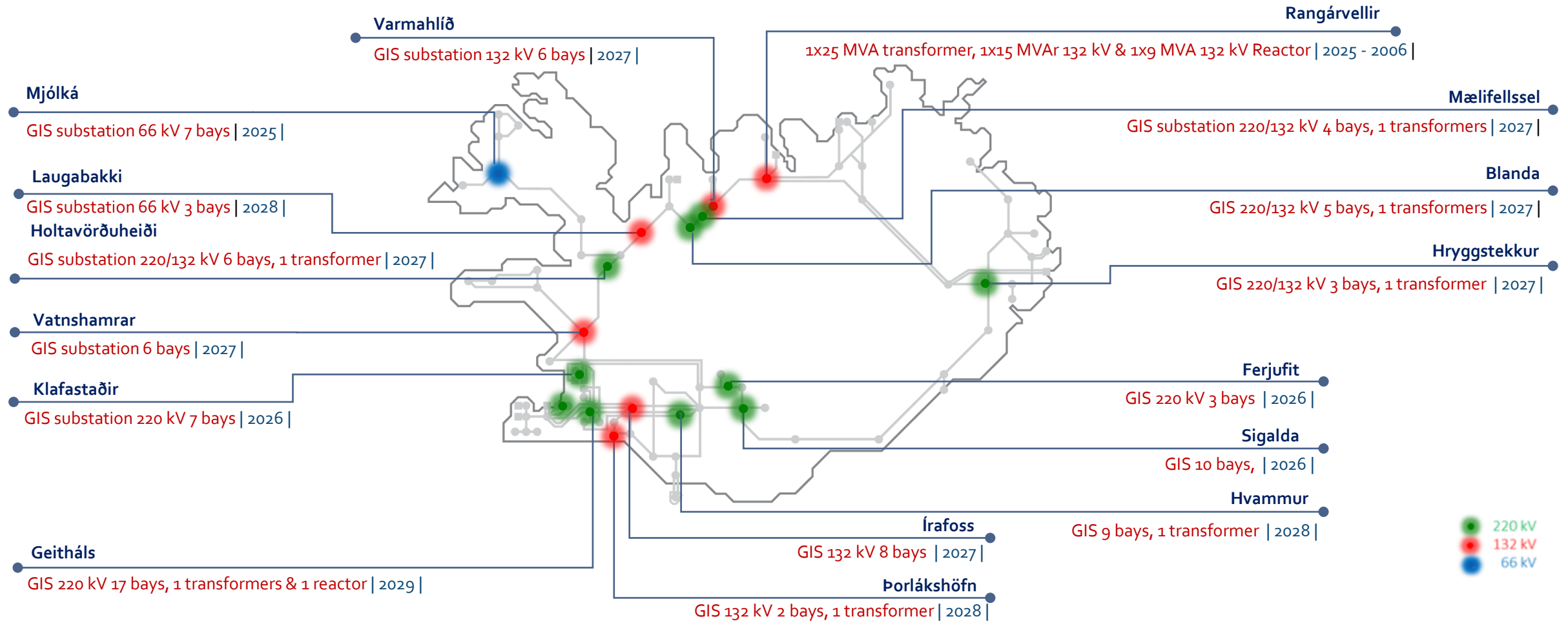


70% of Landsnet's substations are indoor

New 550 – 1200 MVA 220 kV Overheadline



Substation projects in planning phase



Substation projects in planning phase

	2024			2025			2026			2027			2028			2029		
Substation Klafastaðir KLA 7x220 kV Bays DSBC	T	C			P		F	E										
Substation Sigalda SIG 9x220 kV Bays DSBC, 1x132 kV Bay SB	T	C			P		F	E										
Substation Ferjufit 3x220 kV Bays DSBC	T	C			P		F	E										
Substation Hryggstekkur HRY 3x220 kV Bays DB							P		F	E								
Substation Hvammur HVA 6x220 kV Bays DBC, 3x132 kV bays SB									P		F	E						
Substation Blanda BLA 5x220 kV Bays DB							P		F	E								
Substation Mælifellsei MAE 3x220 kV Bays DB, 1x132 kV Bay							P		F	E								
Substation Geitháls GEH 9x220 kV Bays DSBC, 8x132 kV DBC												P		F	E			
Substation Mjólka MJO 7x132/66 kV Bays DB	T	C		P		F	E											
Substation Varmahlíð VAR 6x132 kV Bays SSB							P		F	E								
Substation Írafoss IRA 8x132 kV Bays DBC							P		F	E								
Substation Vatnshamrar VAT 6x132 kV Bays DBC							P		F	E								
Substation Þorlákshöfn THO 2x132 kV Bays SB									P		F	E						
Substation Laugarbakki 3x132 kV Bays SB									P		F	E						

	220 kV GIS bays	132 kV GIS bays	66 kV GIS bays
Total bays	45	38	7

Master time and payment schedule

Master time and Payment schedule:

Item	Date of completion		
	FERJUFIT	KLAFASTADIR	SIGALDA
Issue of Performance Guarantee	14 days after the issue of Letter of Award		
Design documents submitted for review	As per list in Employer's Requirements, section 0.3.6 Design		
Factory acceptance tests successfully completed of all parts of the supply	17 months ^{*1)} (October 2025)	19 months ^{*1)} (December 2025)	19 months ^{*1)} (December 2025)
All primary equipment (HV equipment) on sites	19 months ^{*1)} (December 2025)	22 months ^{*1)} (March 2026)	24 months ^{*1)} (May 2026)
<u>Substation</u> complete for equipment installation (FER/KLA/SIG-01)	19 months ^{*1)} (December 2025)	22 months ^{*1)} (March 2026)	24 months ^{*1)} (May 2026)
HV switchgear and control and protection installed, tested and ready for Employer's acceptance tests	23 months ^{*1)} (April 2026)	27 months ^{*1)} (August 2026)	29 months ^{*1)} (October 2026)
Issue of Taking Over Notice	Ref. to section 10.1 in Conditions of Contract (FIDIC)		
Completion of work, including all as built drawings approved	26 months ^{*1)} (July 2026)	29 months ^{*1)} (October 2026)	30 months ^{*1)} (November 2026)
Guarantee period	24 months from issue of Taking Over Notice		

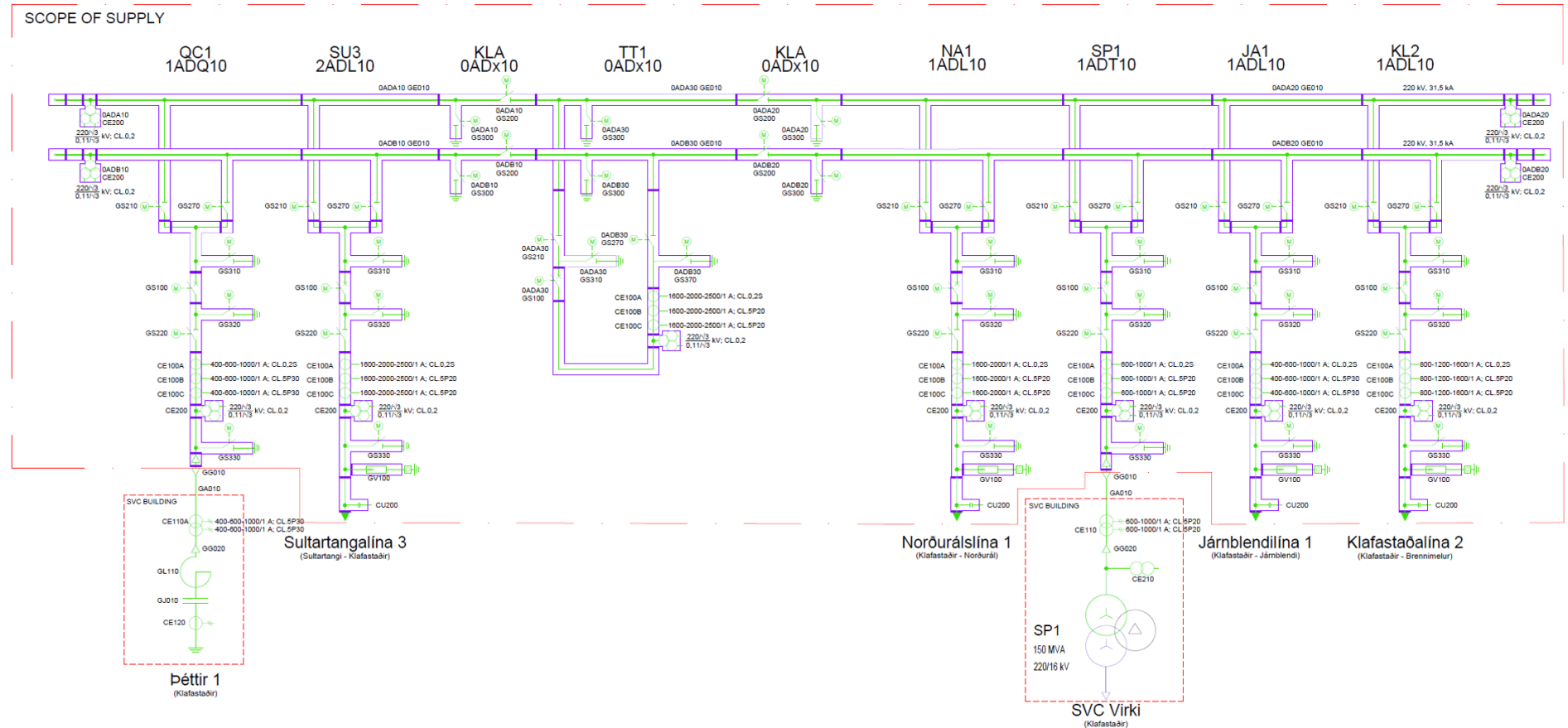
Substation Klafastaðir – Location



Substation Klafastaðir – Single Line Diagram

Substation Klafstaðir

7 x 220 kV bays DSBC



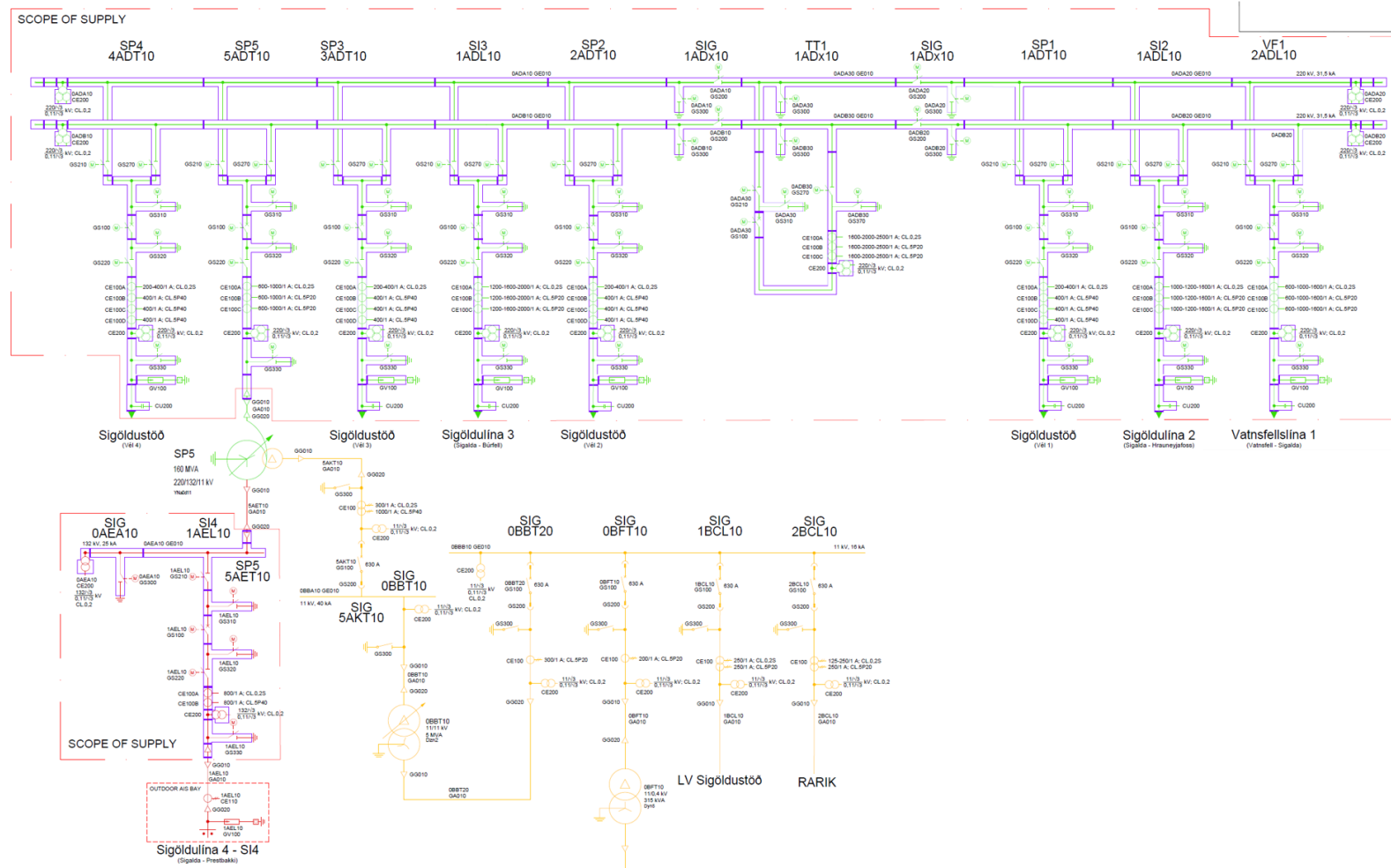
Substation Sigalda – Location



Substation Sigalda – Single Line Diagram

Substation Sigalda

9 x 220 kV bays DSBC
1 x 132 kV bay SB
6x 11 kV bays SB



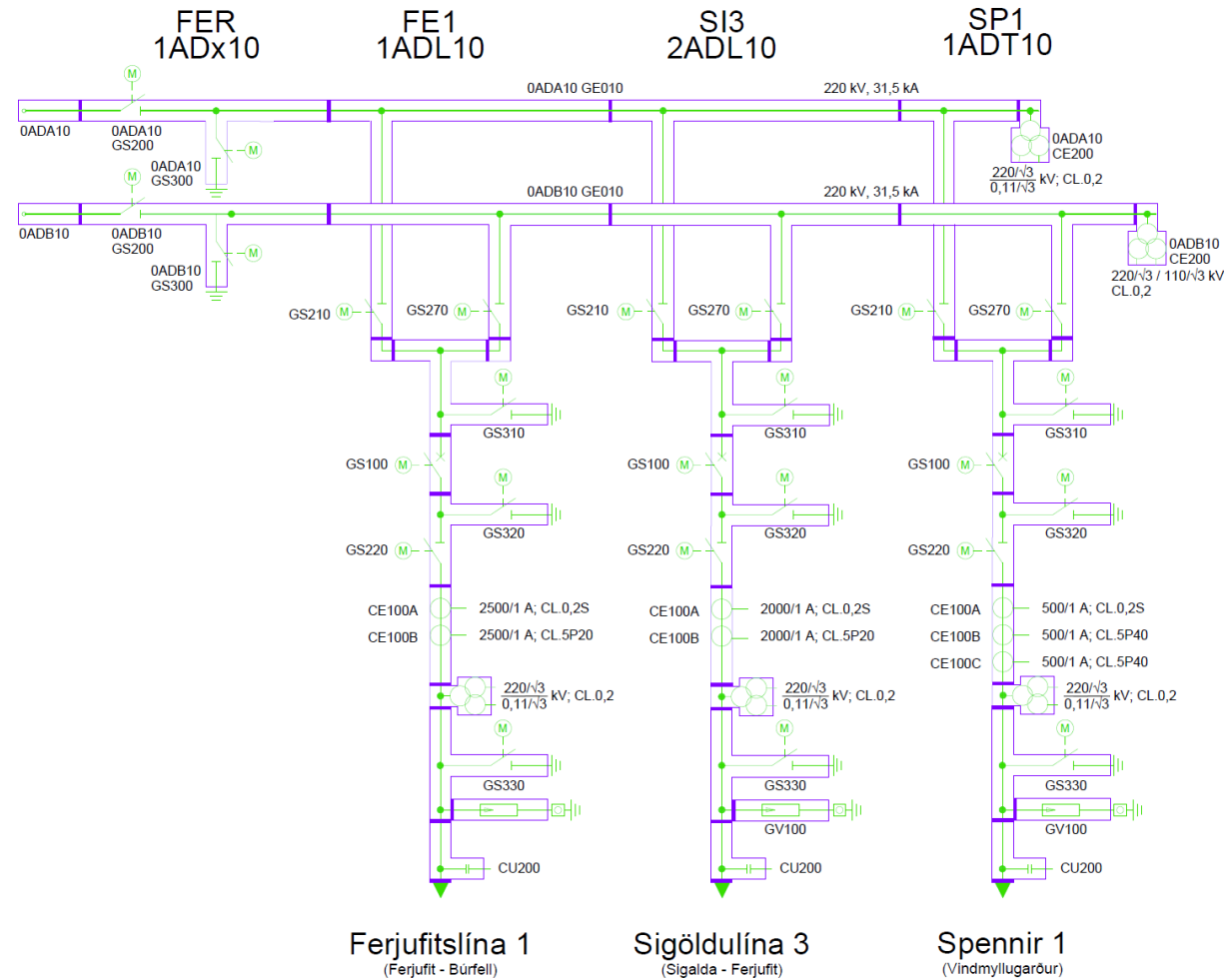
Substation Ferjufit – Location



Substation Ferjufit – Single Line Diagram

Substation Ferjufit

3 x 220 kV bays DSB



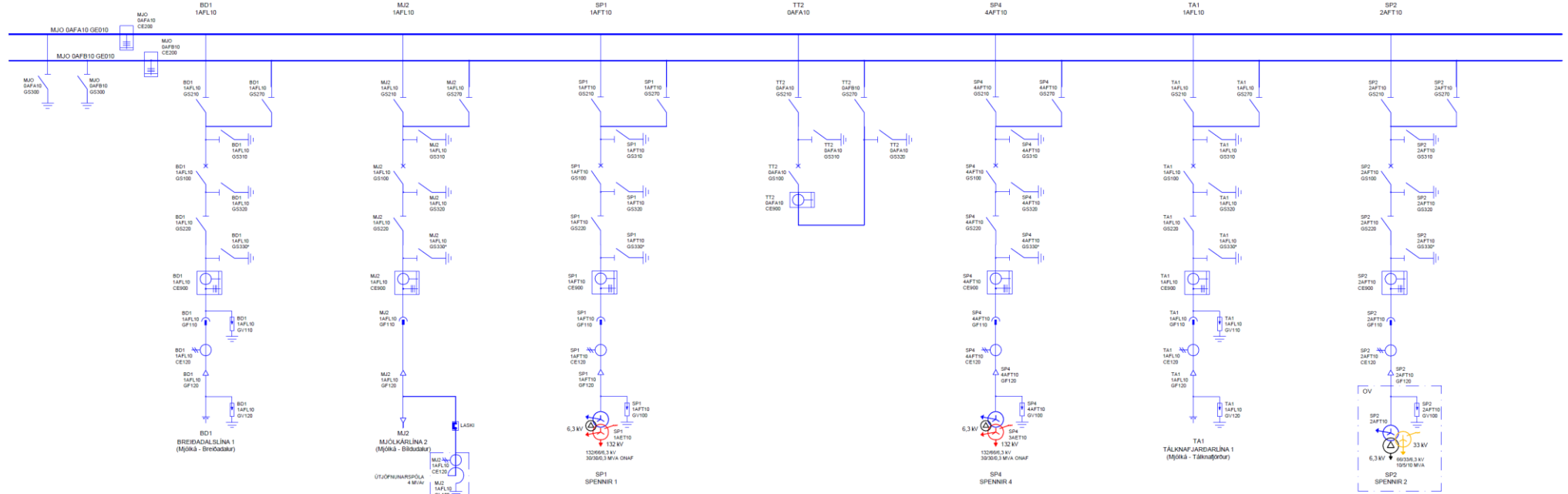
Substation Mjólká – Location



Substation Mjólká – Single Line Diagram

Substation Mjólká

7 x 66/132 kV bays DB



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