

Bemessung eines 110 kV 17.5 MW Bahnumrichters

Project Acronym: HYPERRIDE

Project Number: 870620

Periodic Technical Report Part B

0th Periodic Report

Period Covered by the Report: dd/mm/yyyy to dd/mm/yyyy

Funding Instrument: Innovation Action

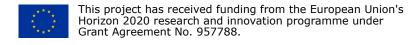
Call: H2020-LC-SC3-2020-EC-ES-SCC

Call Topic: LC-SC3-ES-10-2020 - DC – AC/DC hybrid grid for a modular,

resilient and high RES share grid development

Project Start: 1 October 2020 Project Duration: 48 months

Beneficiary in Charge: AIT Austrian Institute of Technology (AIT)





Report Information

	Document Administrative Information
Project Acronym:	HYPERRIDE
Project Number:	957788
Report Number:	0
Report Full Title:	Periodic Technical Report
Report Short Title:	Periodic Report
Document Identifier:	HYPERRIDE-0-PeriodicReport-draft-vn.n
Beneficiary in Charge:	AIT Austrian Institute of Technology (AIT)
Report Version:	vn.n
Contractual Date:	dd/mm/yyyy
Report Submission Date:	dd/mm/yyyy
Lead Author(s):	[Names of co-authors (partners short names)]
Co-author(s):	[Names of co-authors (partners short names)]
Status:	x_draft,final,submitted

Change Log

Date	Version	Author/Editor	Summary of Changes Made
dd/mm/yyyy	v1.0	Name (Partner short name)	Draft report template

0th Periodic Report 2 of **??**



Table of Contents

1.	Allgemeine Projekt Beschreibung	. 5
2.	Konzeptionsvergleich zu Bahnumrichteranlage	. 6
3.	Update of the Plan for Exploitation and Dissemination of Results	. 7
4.	Update of the Data Management Plan	. 8
5.	Follow-up of Recommendations and Comments from Previous Review(s)	. 9
6.	Deviations from Annex 1 and Annex 2	. 10
	6.1 Tasks	10
	6.2 Use of Resources	10
Δr	opendix A. Document Guidelines	11



List of Figures



1 Allgemeine Projekt Beschreibung

In der folgenden Konzeptionierung wird eine Umrichteranlage an $110\,\mathrm{kV}$, im $50\,\mathrm{Hz}$ Drehstrom Netz für das $110\,\mathrm{kV}$, $16.7\,\mathrm{Hz}$ Bahnnetz ausgelegt. Die Einspeisung aus dem Drehstromnetz erfolgt über einen Netztrafo

0th Periodic Report 5 of **??**



2 Konzeptionsvergleich zu Bahnumrichteranlage

Im Folgendem werden insbesondere

TODO: "Include in this section whether the information on section 2.1 of the DoA (how your project will contribute to the expected impacts) is still relevant or needs to be updated. Include further details in the latter case."

0th Periodic Report 6 of **??**



3 Update of the Plan for Exploitation and Dissemination of Results

TODO: "Include in this section whether the plan for exploitation and dissemination of results as described in the **DoA!** (**DoA!**) needs to be updated and give details."

0th Periodic Report 7 of **??**



4 Update of the Data Management Plan

TODO: "Include in this section whether the **DMP!** (**DMP!**) as described in the **DoA!** needs to be updated and give details."

0th Periodic Report 8 of **??**



5 Follow-up of Recommendations and Comments from Previous Review(s)

TODO: "Include in this section the list of recommendations and comments from previous reviews and give information on how they have been followed up."

0th Periodic Report 9 of **??**

INFRAIA-2019-1

6 Deviations from Annex 1 and Annex 2

6.1 Tasks

TODO: "Include explanations for tasks not fully implemented, critical objectives not fully achieved and/or not being on schedule. Explain also the impact on other tasks on the available resources and the planning."

6.2 Use of Resources

TODO: "Include explanations on deviations of the use of resources between actual and planned use of resources in Annex 1, especially related to **PM!**s (**PM!**s) per **WP!** (**WP!**).

Include explanations on transfer of costs categories (if applicable).

Include explanations on adjustments to previous financial statements (if applicable)."

6.2.1 Unforeseen Subcontracting

TODO: "Specify in this section:

- the work (the tasks) performed by a subcontractor which may cover only a limited part of the project;
- explanation of the circumstances which caused the need for a subcontract, taking into account the specific characteristics of the project;
- the confirmation that the subcontractor has been selected ensuring the best value for money or, if appropriate, the lowest price and avoiding any conflict of interests.

6.2.2 Unforeseen use of in Kind Contribution from Third Party against Payment or Free of Charges

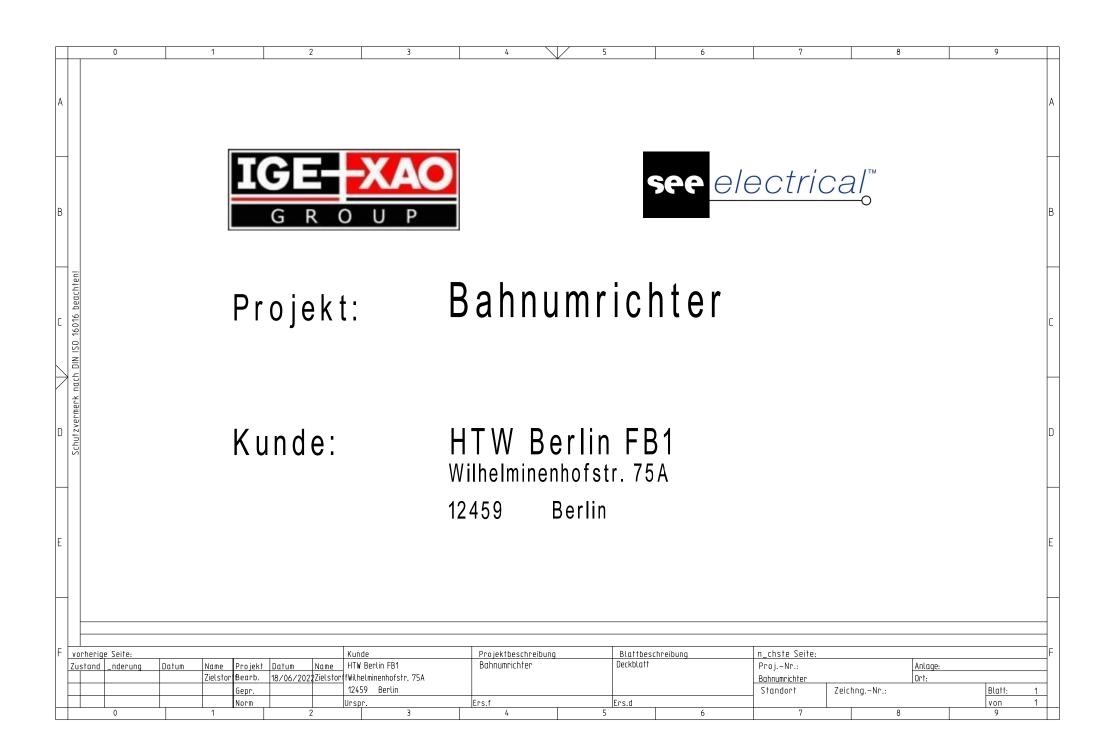
TODO: "Specify in this section:

- the identity of the third party;
- the resources made available by the third party respectively against payment or free of charges
- explanation of the circumstances which caused the need for using these resources for carrying out the work.

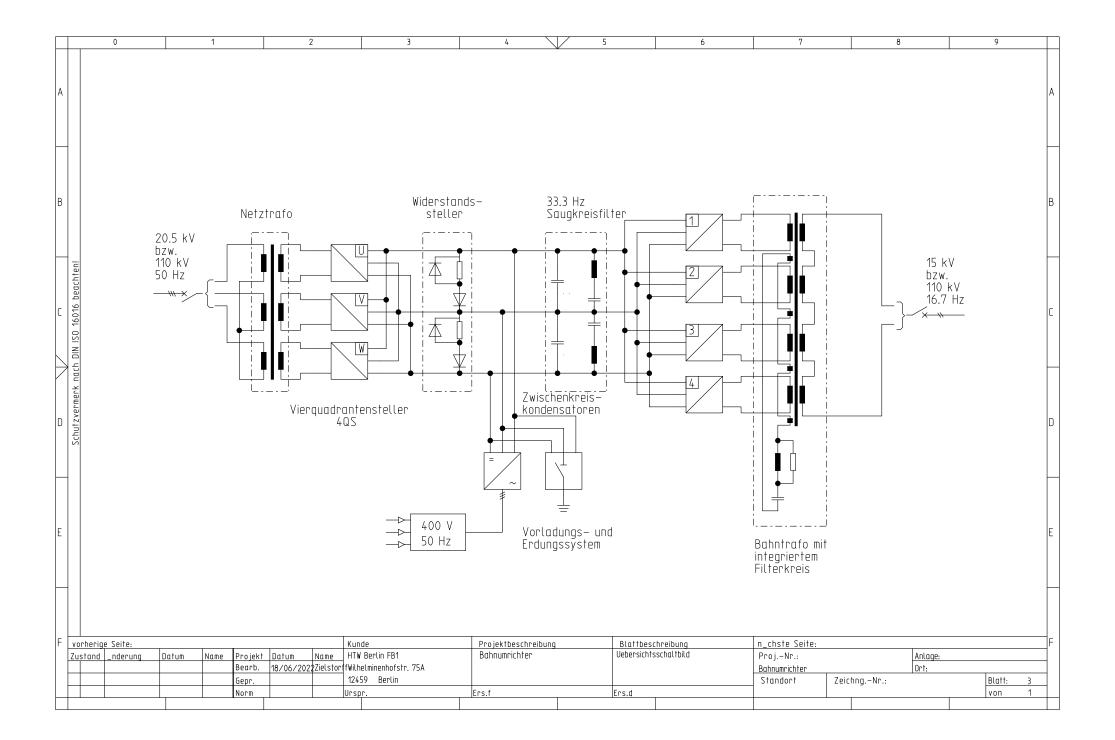
0th Periodic Report 10 of **??**



Anhang A: Übersichtsschaltbild Bahnumrichter



П	0 1	2	2 3	4 5	6	7	8	9
			Inh	altsverzeic	hnis			
A	Anlage (=)	Seite	Dokumentart	Beschreibung			Index	Rev. Datum A
,		1	Deckbla††	Deckblatt -				
		2	Inhaltsverzeichnis	Inhaltsverzeichnis				18/06/2022
Ш		3	Stromlaufplan	Uebersichtsschaltbild				
		4	Bauteilliste	Bauteilliste				
		5	Bauteilliste	Bauteilliste				
В								В
Н.								
1	Deachie							
	реас							
C \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	016							С
77	0 0 10							
	<u> </u>							
A:	noch DIN 150 16016							
	a la							
	Schutzvermerk							D
4	Schi							
Н								
E								E
Н								
	vorherige Seite:		Kunde Proj	ektbeschreibung	Blattbeschreibung	n_chste Seite:		F
<u> z</u>	Zustand _nderung	Datum 18/06/202	Name HTW Berlin FB1 Bahr Zielstor (fWilhelminenhofstr. 75A	numrichter	Inhaltsverzeichnis	ProjNr.: Bahnumrichter	Anlage: Ort:	
	Gepr.	107 007 202.	12459 Berlin			Standort ZeichngN		Blatt: 1
\vdash	0 1 Norm	2	Urspr. Ers.f	4 5	Ers.d 6	7	8	von 1



		0	1		:	2	3	4	5	6	7	8		9
								Baute	eilliste					
A	Dok	okumentart	Anlage (=)		Ort (+)		Bauteilname (–)	Тур		Beschreibung / Funktio	on	Hersteller	Blatt / Index	Pfad
	Str	romlaufplan					R1						2	1
	Str	romlaufplan					R2						2	1
4	Str	romlaufplan					R3						2	1
	Str	romlaufplan					Q1						2	1
	Str	romlaufplan					4QS3						2	2
3	Str	romlaufplan					R4						2	2
	Str	romlaufplan					R5						2	2
	Str	romlaufplan					R6						2	2
4	_ Str	romlaufplan					4QS1						2	2
	F Str	romlaufplan					4GS2						2	2
	Str	romlaufplan					S5						2	3
[Str	romlaufplan					R10						2	3
	Str Str	romlaufplan					R9						2	3
	Str Str	romlaufplan					R8						2	3
	를 Str	romlaufplan					S6						2	3
	ž Str	romlaufplan					R7						2	3
	Str	romlaufplan					S4						2	3
)	Ztr Str	romlaufplan					C1						2	4
	Str.	romlaufplan					C2						2	4
	Str	romlaufplan					Q2						2	4
4	Str	romlaufplan					W1						2	4
	Str	romlaufplan					R12						2	5
	Str	romlaufplan					R11						2	5
=	Str	romlaufplan					C3						2	5
	Str	romlaufplan					C4						2	5
	Str	romlaufplan					QS7						2	6
\dashv	Str	romlaufplan					4QS4						2	6
	Str	romlaufplan					QS5						2	6
	Str	romlaufplan					QS6						2	6
		erige Seite:					Kunde	Projektbeschreibung		attbeschreibung	n?chste Seite:			
-	Zustan 	nd ?nderung	Datum Name	Projekt Bearb.	Datum 18 /06 /202		HTW Berlin FB1 Wilhelminenhofstr. 75A	Bahnumrichter	Bau	ıteilliste	ProjNr.:		nlage: rt:	
t				Gepr.	107 007 202		12459 Berlin				<u>Bahnumrichter</u> Standort	ZeichngNr.:		Blatt: 4
+		0	1	Norm		U 2	rspr.	Ers.f	Ers.	.d 6	7	8		von 2 9

	0	1	2	3	4	5	6	7	8		9
Bauteilliste											
A	Dokumentart	Anlage (=)	Ort (+)	Bauteilname (–)	Тур		Beschreibung / Funktion	n	Hersteller	Blatt / Index	Pfad
	Stromlaufplan			R22						2	7
	Stromlaufplan			C5						2	7
	Stromlaufplan			R23						2	7
	Stromlaufplan			R27						2	7
	Stromlaufplan			R21						2	7
В	Stromlaufplan			R29						2	7
	Stromlaufplan			R16						2	7
	Stromlaufplan			R28						2	7
Н.	Stromlaufplan			R20						2	7
	Stromlaufplan			R19						2	7
	Stromlaufplan			R17						2	7
	Stromlaufplan			R15						2	7
	Stromlaufplan			R14						2	7
	Stromlaufplan			R13						2	7
	Stromlaufplan			R18						2	7
	Stromlaufplan			Q3						2	8
	<u> </u>										
	2007										
	7										
Н											
E											
H											
	orherige Seite: 4		Kui	nde	Projektbeschreibung	Blat	tbeschreibung lliste	n?chste Seite:		T	
	ustand ?nderung	Datum Name Projek Bearb		N Berlin FB1 nelminenhofstr. 75A	Bahnumrichter	Rante	msie	ProjNr.: Bahnumrichter		Anlage: Ort:	
		Gepr.	124	.59 Berlin				Standort	ZeichngNr.:	В	.att: 5
+	0		Urs	pr. 3	Ers.f	Ers.d 5	6	7	8		on 2 9