

Scheme of

Block Diagram

PtX Plant

Project: 5390104 Reykjanes, Iceland

KKS Code: 0

Revision: D

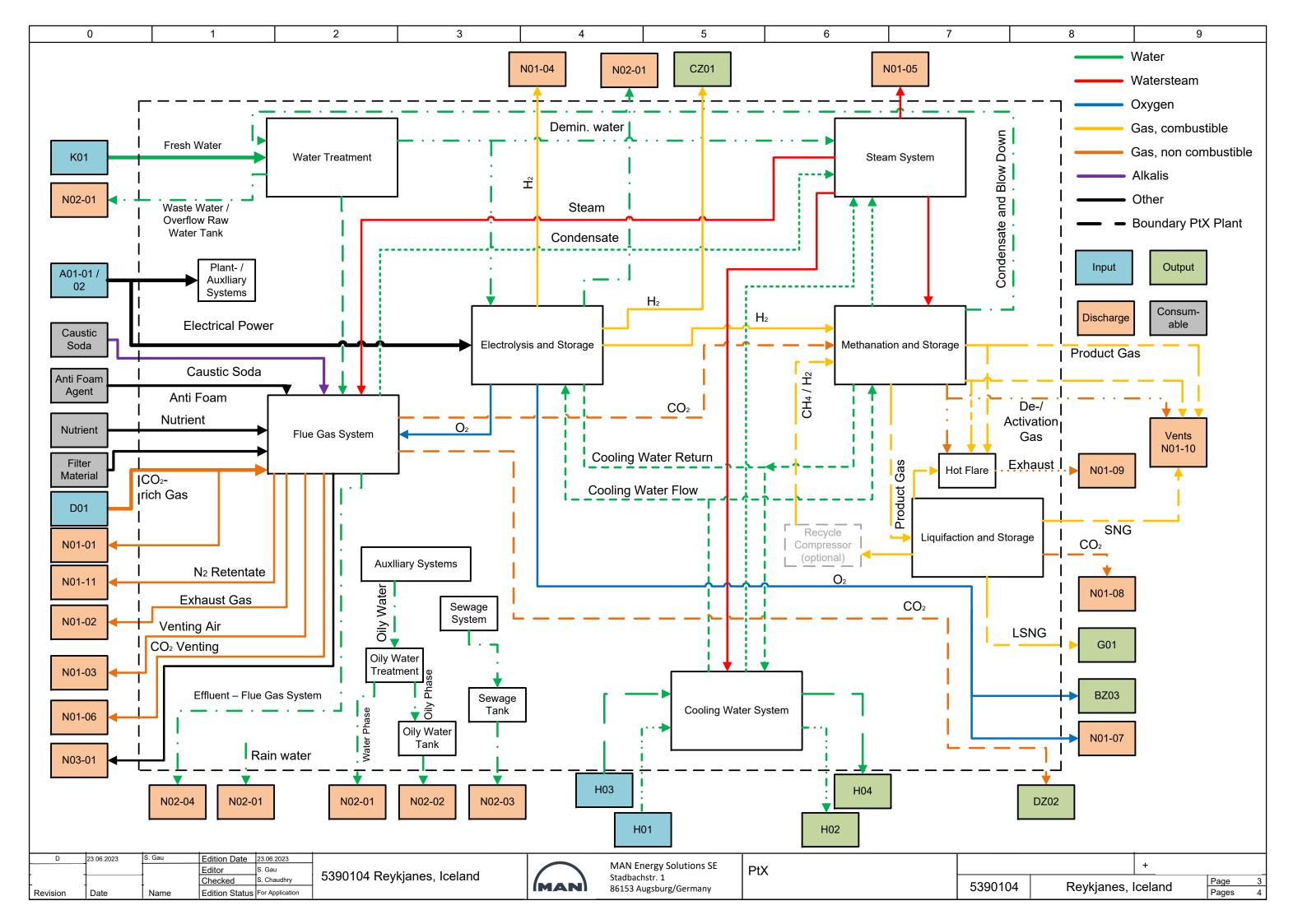
Issued by: PSPT

23.06.2023

MAN Energy Solutions SE - Stadtbachstr. 1 / D-86224 Augsburg / Germany

I Revision History

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Rev.	Written	Checked	Released	Release date	Status/Edition	Issued for	Remarks
0	S. Gau	S. Chaudhry	S. Chaudhry	27.10.2022		FIO	
Α	S. Gau	S. Chaudhry	S. Chaudhry	04.11.2022		Internal review	
В	S. Gau	S. Chaudhry	S. Chaudhry	27.01.2023		FIO	
С	S. Gau			23.05.2023		FIO	
D	S. Gau	S. Chaudhry	S. Chaudhry	23.06.2023		For Application	



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							1				
	Input			Output		Discharge					
										De-/Activati	on Gas, s, Feed Gas,
	A01-01 / 02	Electric Po		BZ03	Oxygen – for export	N01-01	CO2-rich gas - Eme	ergency	Vent N01-10	SNG – Ope	
	02	Liectiolysis	s and boi				Discharge		101-10	and Activati	on, Start Up
							Exhaust Flue Gas Treatment – N ₂ , O ₂ ,	CO ₂		and Shut Do	own
	K01	Fresh Wat	ter	CZ01	Hydrogen – for export	N01-02	H ₂ S (downstream ro	ough			
	•					•	Filtration; in specific full H ₂ S content pos		Vent		
	D01	CO2-rich G	200	DZ02	CO ₂ - for export	N01-03	Venting Air of Tank Apparatus – Air an		N01-11	Retentate o	f N ₂ Separation
	DOT	CO2-HGH C	J a5	D202	CO2 - IOI export	1401-03	Traces of other components	_			
							·	e 1		Clean Wate	r – Discharge
	H01	Industrial H	Heating in	H02	Industrial Heating out	N01-04	Hydrogen – Operat (minor amount) and	d	N02-01	to Percolati	
							Emergency Discha	rge		Area	Cations in Flant
							Steam – Emergeno	21/		Oily Water	- Discharge by
	H03	Sea Water	r in	H04	Sea Water out	N01-05	Discharge	- y	N02-02	Truck	- Discharge by
	Consum-			G01	Liquefied SNG	N01-06	CO ₂ - Emergency		N02-03	Sewage Wa	
	able				•		Discharge			Discharge t	by Truck
							•				
	Caustic Soda	Caustic Sc removal	oda for H ₂ S			N01-07	Oxygen – Operatio Emergency Discha		N02-04	Effluent Flu	e Gas System
	Nederical	Ni. stuic mt fo	v Dia Danatar			Notes	CO ₂ – Operationa	ıl			Filter Material – Carbon and Fe-/
	Nutrient	inulitent to	or Bio Reactor			N01-08	Discharge		N03-01	Cu-/Zn-bas	ed Material for
					Single use or combination	ı of:	Exhaust Gas from	Flare -		H ₂ S remov	al
	Anti Foam Agent	Anti Foam Reactor	Agent for Bio	Filter Material	Activated Carbon and Fe- Zn-based Material for H ₂ S	/Cu-/	Operational Discha during De- and Ac	arge			
	.5	. 1343101			removal		Start Up and Shut				
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D 23.06.2023	E	Edition Date 23.06.2 Editor S. Gau Checked S. Cha	5000404 D	kjanes, Iceland	Stadbac		X				+ Page
Revision Date	T	Edition Status For Ap				ugsburg/Germany			5390104	Reykjanes, l	celand Page Pages