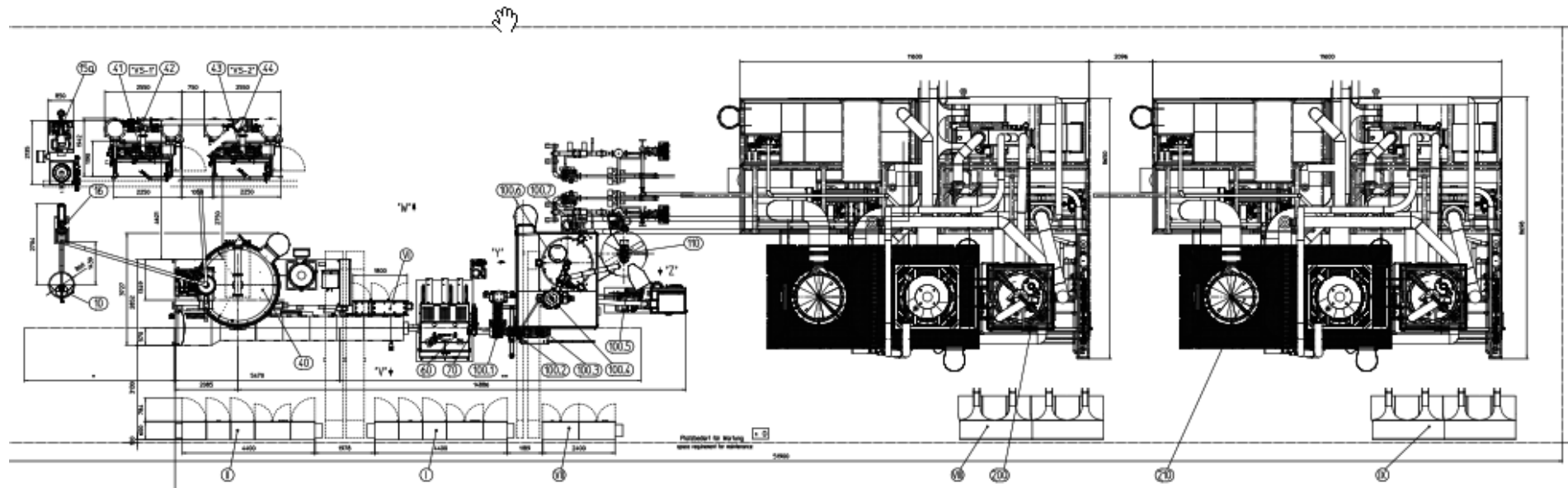
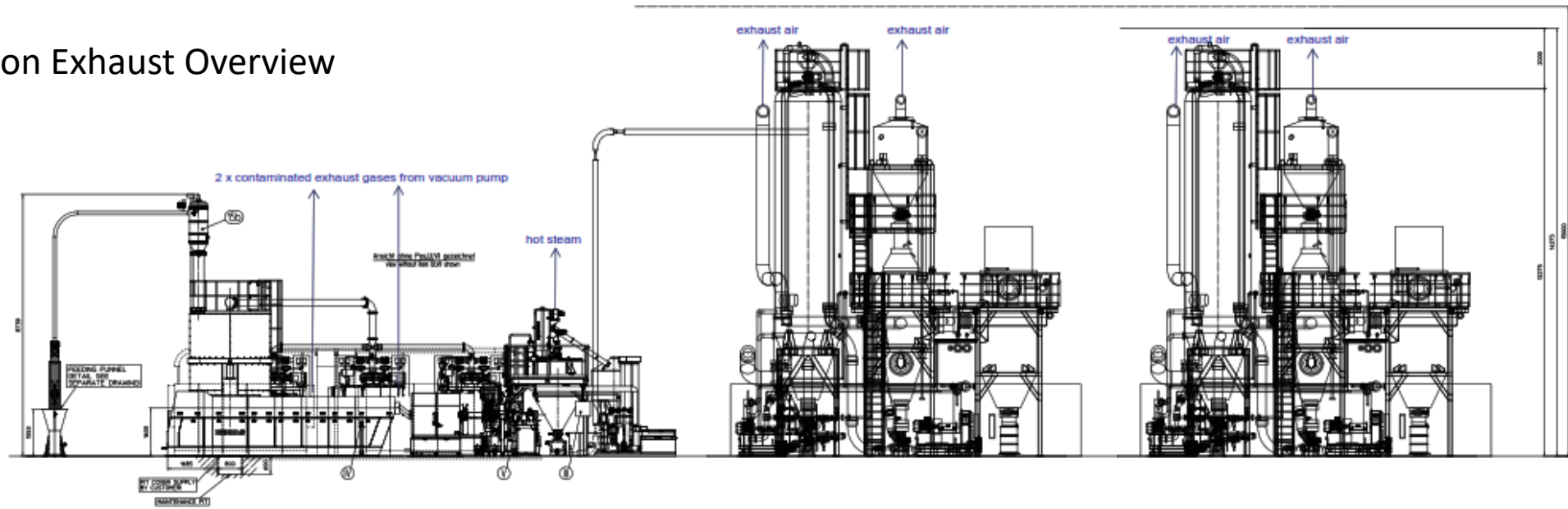
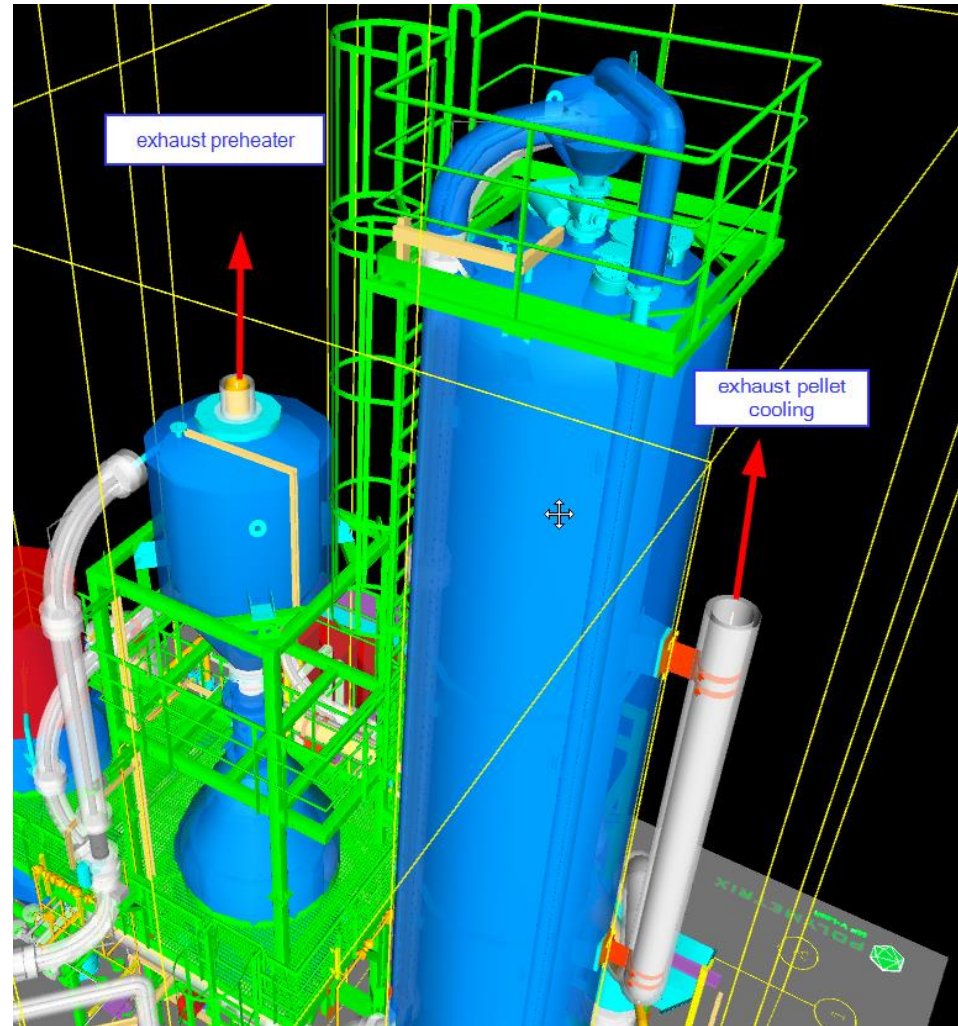


Emmision Exhaust Overview

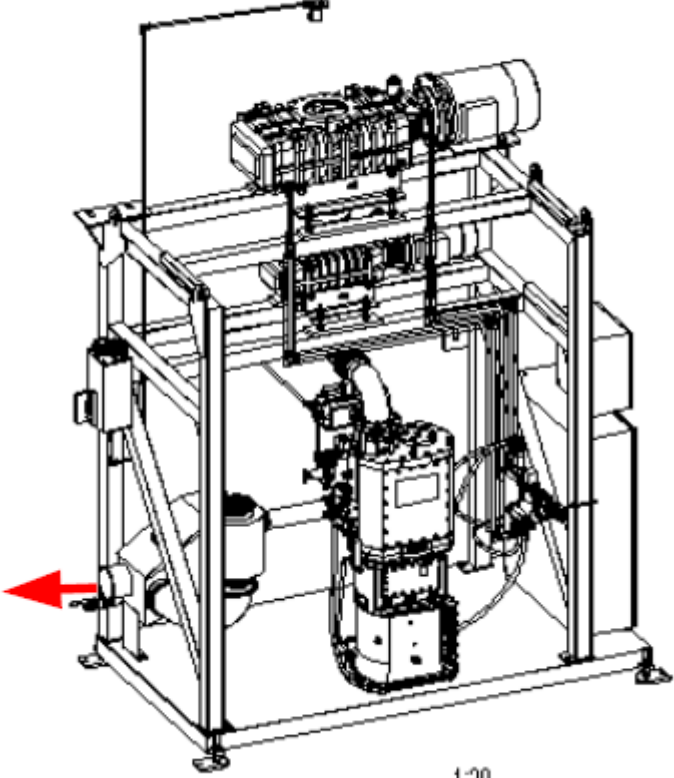


Waste gas from SSP reactor and preheater to atmosphere

Stream No.	Gas Streams Out				Gas Emission
	1510	3013	3512	5006	
Stream Name	Exhaust Gas Flakes Pre-dryer	Exhaust Gas Vacuum system	Exhaust Gas Cooler 35-H-01	Exhaust Gas Final Conveying	Waste Gas
<i>Flow rates [kg/h]</i>					
PET	0.0000	0.0000	0.0000	0.0000	0.0000
PET dust	0.0011	0.0000	0.0006	0.0150	0.0167
Air	276.7794	0.0000	4'418.3625	329.0719	5'024.2139
Nitrogen	25.2337	88.3366	17.6409	0.0000	131.2113
Oxygen	0.0322	0.0503	0.0010	0.0000	0.0835
Carbon Dioxide	0.0000	0.0000	0.0000	0.0000	0.0000
Water	4.4280	1.3658	62.0647	5.0112	72.8697
Ethylene Glycol	0.0000	0.0000	0.0000	0.0000	0.0000
Acetaldehyde	0.0014	0.0093	0.0000	0.0000	0.0107
<i>Flow rates [kg/h]</i>	306.4758	89.7621	4'498.0698	334.0982	5'228.4058



2 x Vacuum pump dry station – Aspiration required



1:20

Flow rate

other supplies, utilities or emissions					
position in layout		aspiration (air / dust / vapour)	remark	Temp. °C	air volume m³/h
inlet	outlet				
/	H	BWB: exhaust air of vacuum pump(s)	①, ⑤, ⑦	20 - 30	600
X	Y	SSP 1: preheater	⑧	100 - 120	300
/	Z	SSP 2: preheater	⑧	100 - 120	300
		UWG: centrifuge	⑤, ⑥	80 - 90	900
		SSP: cooling pellet	⑧	100 - 120	4600
remark					
①	If there is no suction system included in EREMA's scope of supply, a suitable suction system has to be supplied by customer.				
②	Even when it's not mandatory, we recommended to use a suitable suction system in the surrounding of the melt filter as well as the down stream equipment to collect emissions of melting plastic and steam.				
⑤	wet aspiration required				
⑥	Consumption varies depending on process conditions. I.e. water quality, evaporation,...				
⑦	Due to high humidity some kind of water drainage is recommended.				
⑧	hot air				