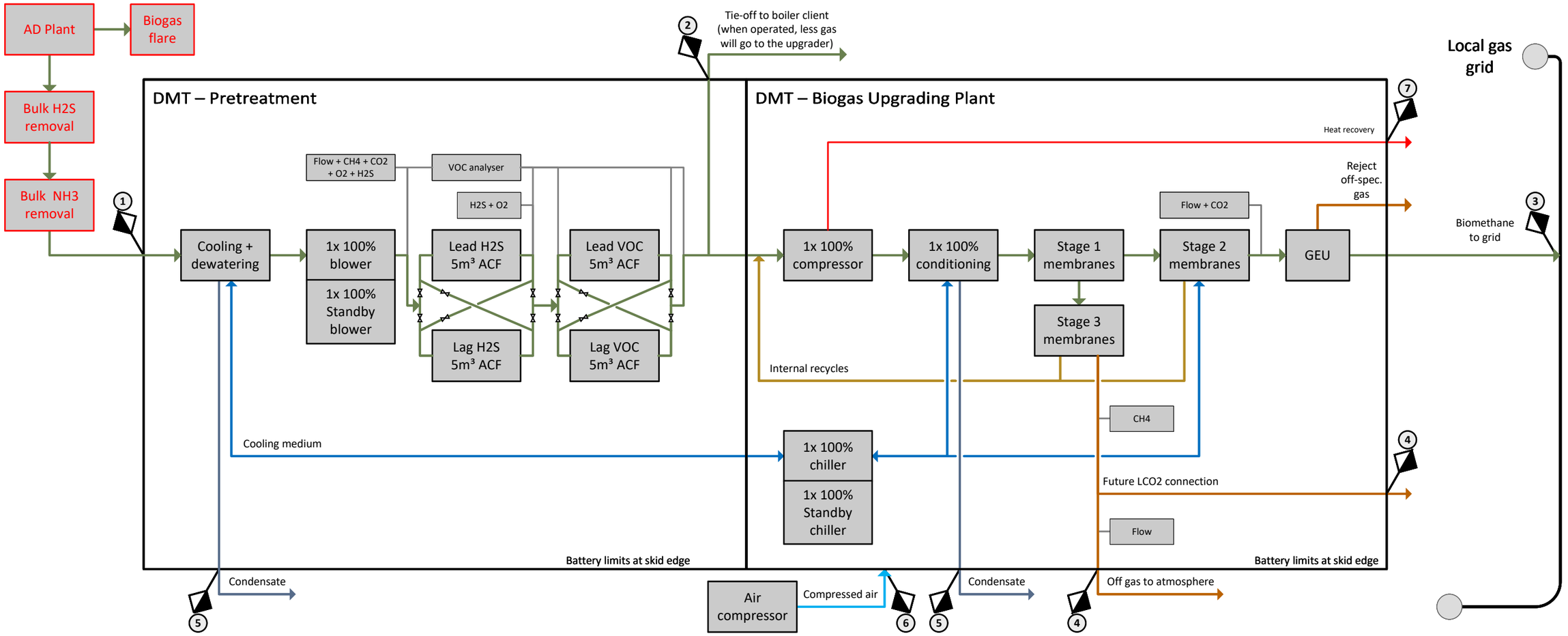


1 – Inlet biogas		2 – Pretreated biogas		3 – Outlet biomethane		4 – Outlet off-gas		5 – Outlet condensate		6 – Compressed air		7 – Heat recovery		General	
Medium:	BIOGAS+H2S	Medium:	BIOGAS+H2S	Medium:	CH4	Medium:	CO2 + GAS	Medium:	WATER	Medium:	AIR	Medium:	GLYCOL	Site elevation:	100m A.S.L.
Capacity:	1490 Nm³/h	Capacity:	1490 Nm³/h	Capacity:	843 Nm³/h	Capacity:	647 Nm³/h	Capacity:	132,0 L/h	Capacity:	10 Nm³/h	Capacity:	0,180 kWt/Nm³	Ambient T:	-18°C / +35°C
	1572 Sm³/h		1572 Sm³/h		889 Sm³/h		683 Sm³/h	Temp.:	0 – 10°C	Pressure:	≥ 6 barg	Supply:	65°C	Area classification:	Non-ATEX
Temp.:	45°C	Temp.:	30°C	Temp.:	5 – 20°C	Temp.:	15 – 30°C	Pressure:	Atmospheric	Class:	ISO 8573-1 class	Return:	45°C	Seismic zone:	N/A
Dewpoint:	45°C	Dewpoint:	9°C	Dewpoint:	≤ -70°C	Dewpoint:	≤ -15°C			3.3.3 or	higher	Pressure:	2 – 3 barg	Wind load:	≤ 9 Bft.; 35 m/s
Pressure:	0 mbarg	Pressure:	100 mbarg	Pressure:	8,5 – 13 barg	Pressure:	Atmospheric					Water:	65 – 75 vol%	Snow load:	≤ 2,4 kN/m²
CH4:	55,0 vol%	CH4:	55,0 vol%	CH4:	≥ 96,6 vol%	CH4:	≤ 0,7 vol%					Glycol:	25 – 35 vol%		
CO2:	44,5 vol%	CO2:	44,5 vol%	CO2:	≤ 2,5 vol%	CO2:	≥ 99,1 vol%								
N2:	0,4 vol%	N2:	0,4 vol%	N2:	≤ 0,7 vol%	N2:	≤ 0,1 vol%								
O2:	0,1 vol%	O2:	0,1 vol%	O2:	≤ 0,2 vol%	O2:	≤ 0,1 vol%								
H2S:	150 ppmv	H2S:	≤ 1 ppmv	H2S:	≤ 3 ppmv	H2S:	≤ 3 ppmv								
NH3:	50 ppmv	NH3:	≤ 1 ppmv	NH3:	≤ 1 ppmv	NH3:	≤ 1 ppmv								
VOCs:	60 mg/Nm³	VOCs:	≤ 1 mg/Nm³	VOCs:	≤ 1 mg/Nm³	VOCs:	≤ 1 mg/Nm³								
Siloxanes:	≤ 1 mg/Nm³	Siloxanes:	≤ 1 mg/Nm³	Siloxanes:	≤ 1 mg/Nm³	Siloxanes:	≤ 1 mg/Nm³								

Included scope | Optional scope | Excluded scope | Client | DMT

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TITLE:	Block Diagram	PROJECT NO:	250090 v2
CLIENT:	ENGIE	STATUS:	FOR INFORMATION ONLY
PROJECT:	Home Farm Biogas upgrading project	DATE:	12/11/2025

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