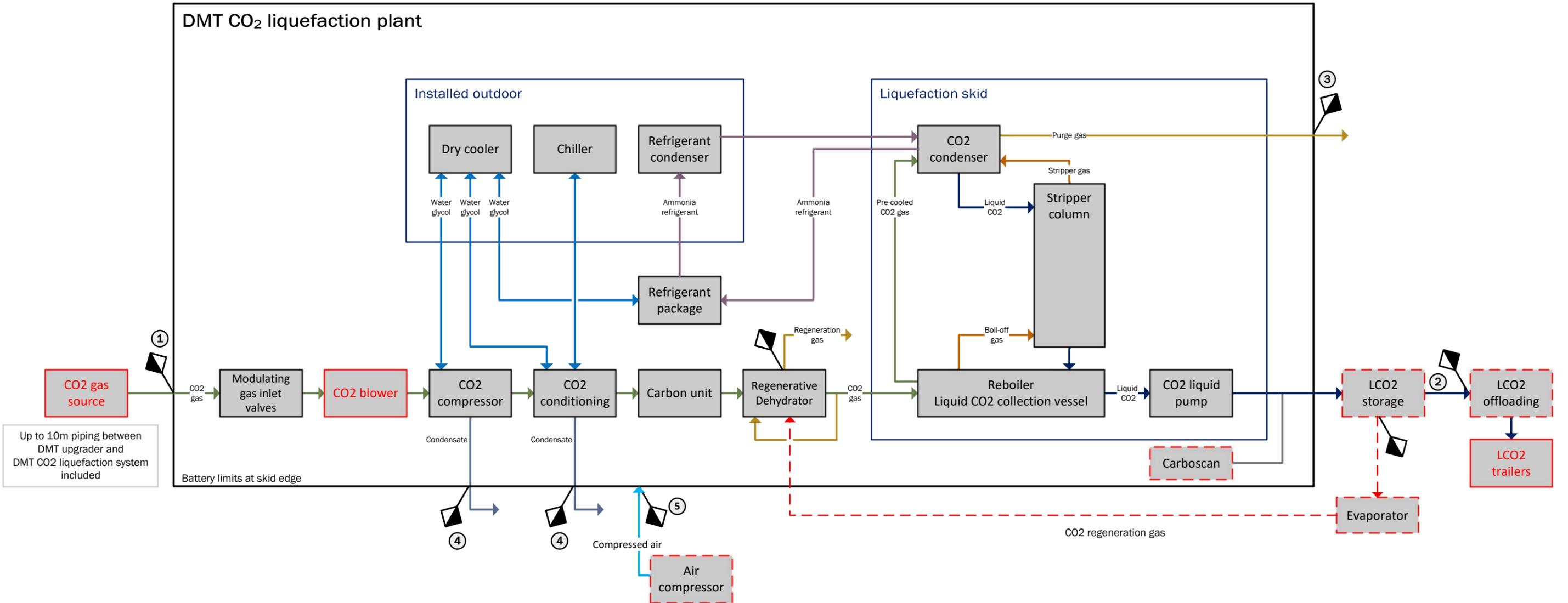


# DMT CO<sub>2</sub> liquefaction plant

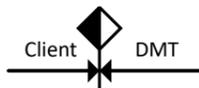


Up to 10m piping between DMT upgrader and DMT CO<sub>2</sub> liquefaction system included

Battery limits at skid edge

1 – Inlet CO <sub>2</sub> -rich gas		2 – Outlet liquid CO <sub>2</sub>		3 – Outlet purge gas		4 – Outlet condensate		5 – Inlet compressed air		General	
Medium:	CO <sub>2</sub> GAS	Medium:	LCO <sub>2</sub>	Medium:	GAS	Medium:	WATER	Medium:	AIR	Site elevation:	22m A.S.L.
Capacity:	647 Nm <sup>3</sup> /h	Capacity:	1145 kg/h	Capacity:	5 – 10%	Capacity:	< 0,1 m <sup>3</sup> /h	Capacity:	10 Nm <sup>3</sup> /h	Ambient T:	-18°C/+35°C
Capacity CO <sub>2</sub> :	1265 kg/h	Temperature:	≤ -22°C	Temperature:	≤ -22°C	Temperature:	0 – 15°C	Pressure:	≥ 6 barg	Area classification:	Non-ATEX
Temperature:	15 – 30°C	Dewpoint:	≤ 20 ppmv	Dewpoint:	≤ -60°C	Pressure:	Atmospheric	Class:	ISO 8573-1 class 3.3.3 or higher	Seismic zone:	None
Dew point:	≤ -15,0	Pressure:	≤ 18,5 barg	Pressure:	≤ 18,5 barg					Wind load:	≤ 35 m/s
Pressure:	50-200mbarg	CH <sub>4</sub> :	≤ 50 ppmv	CH <sub>4</sub> :	± 22,0 vol%					Snow load:	≤ 2,4 kN/m <sup>2</sup>
CH <sub>4</sub> :	≤ 0,63 vol%	CO <sub>2</sub> :	≥ 99,9 vol%	CO <sub>2</sub> :	± 74,6 vol%						
CO <sub>2</sub> :	≥ 99,13 vol%	N <sub>2</sub> :	≤ 0,00	N <sub>2</sub> :	± 0,4 vol%						
N <sub>2</sub> :	≤ 0,01 vol%	O <sub>2</sub> :	≤ 30 ppmv	O <sub>2</sub> :	± 3,0 vol%						
O <sub>2</sub> :	≤ 0,09 vol%	H <sub>2</sub> S:	≤ 0,1 ppmv	H <sub>2</sub> S:	≤ 0,1 ppmv						
H <sub>2</sub> S:	≤ 1 ppmv										

Included scope
Optional scope
Excluded scope



**DOCUMENT INDICATIVE ONLY AND SUBJECT TO DETAILED ENGINEERING**

TITLE:	Block diagram	PROJECT NO:	250090 v1
CLIENT:	ENGIE	STATUS:	FOR INFORMATION ONLY
PROJECT:	Home Farm CO <sub>2</sub> liquefaction	DATE:	23/06/2025

\* This document is property of DMT Environmental Technology and contains confidential information. This document shall not be disclosed without written permission of DMT Environmental Technology.