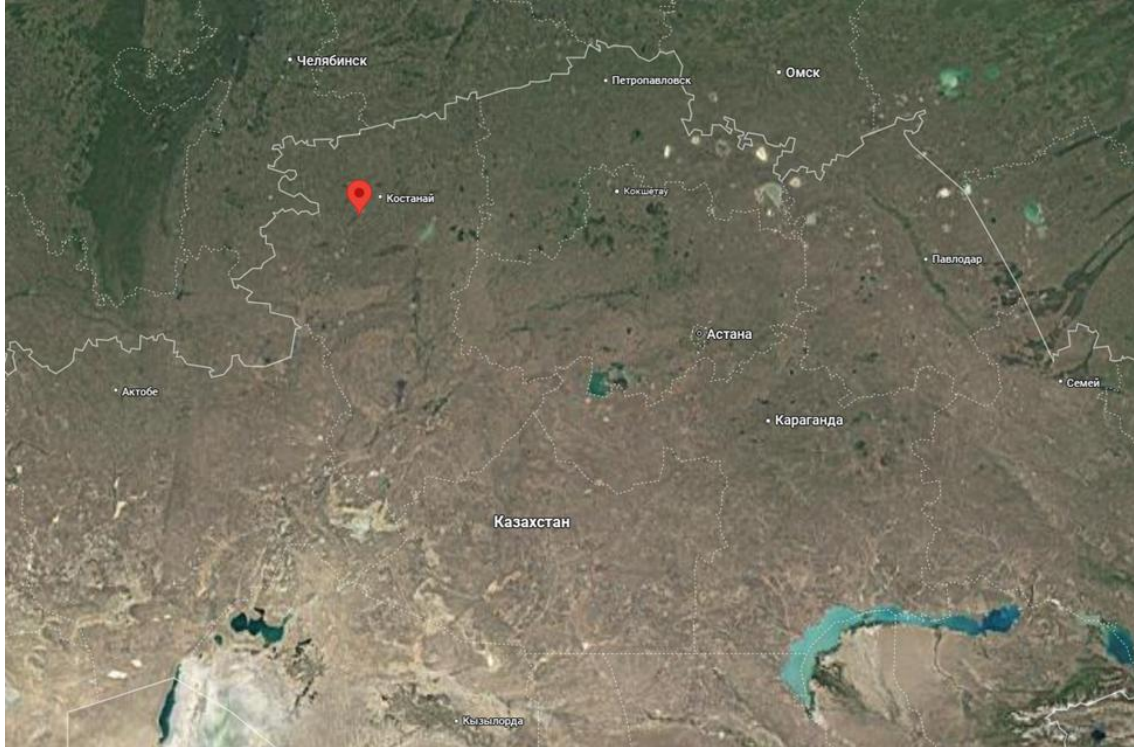


A large, stylized graphic on the left side of the slide, resembling a flame or a gas drop, composed of overlapping blue and orange shapes.

Pilot project "Construction of a small-scale plant for the production of liquefied natural gas in the city of Rudny"

Astana 2026

Construction site:



Construction start date according to the design estimates: June 1, 2026

Construction completion date according to the design estimates: March 31, 2028

Capacity: 50,000 tons of LNG per year.

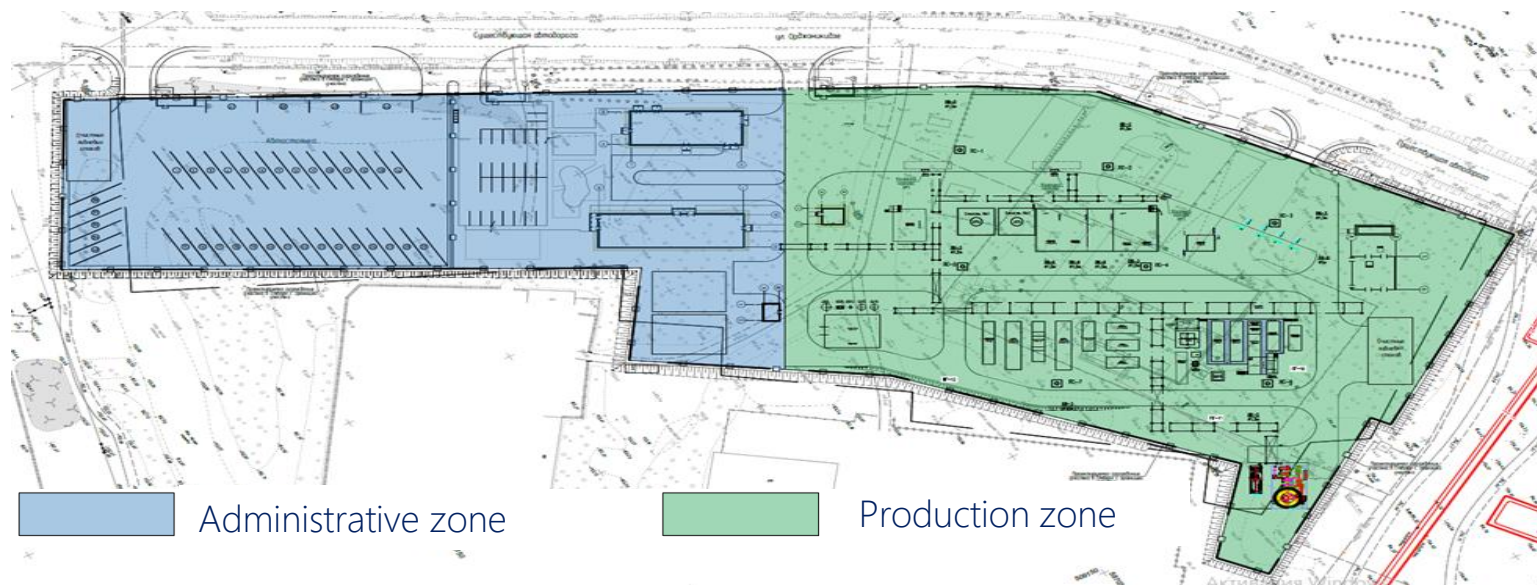
Commercial natural gas demand: up to 75 million cubic meters per year.

Address: Kostanay Region, Rudny, Molodaya Gvardiya Street, 2A.

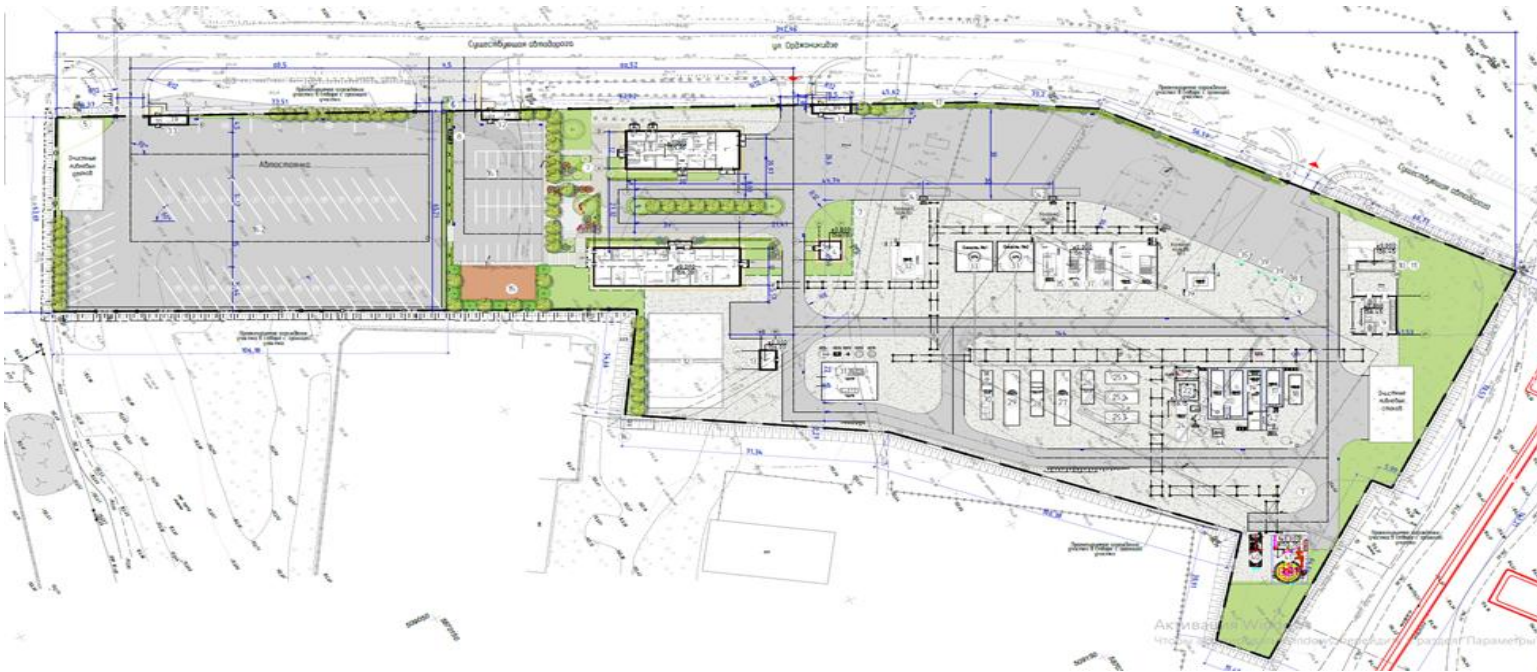
Liquefaction technology: Dual mixed refrigerant circuit (DMR).

Situational diagram:



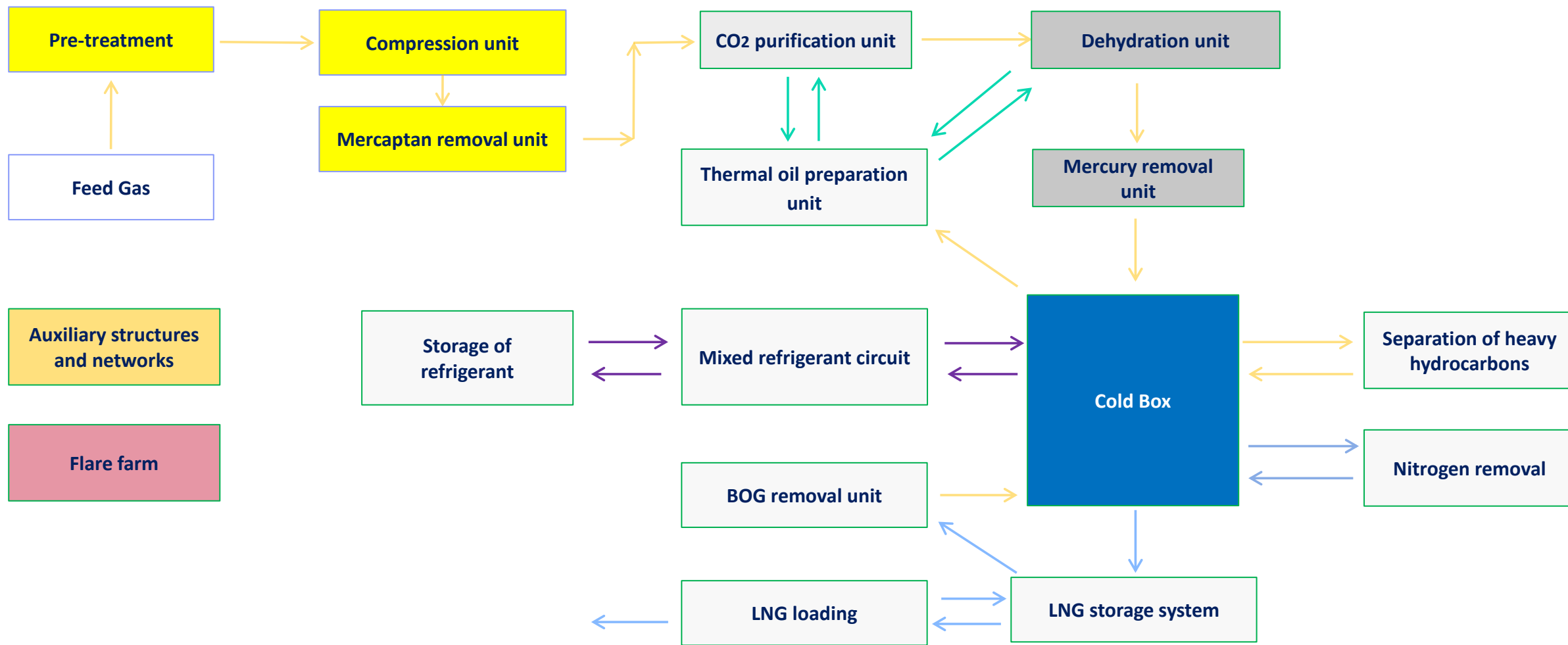


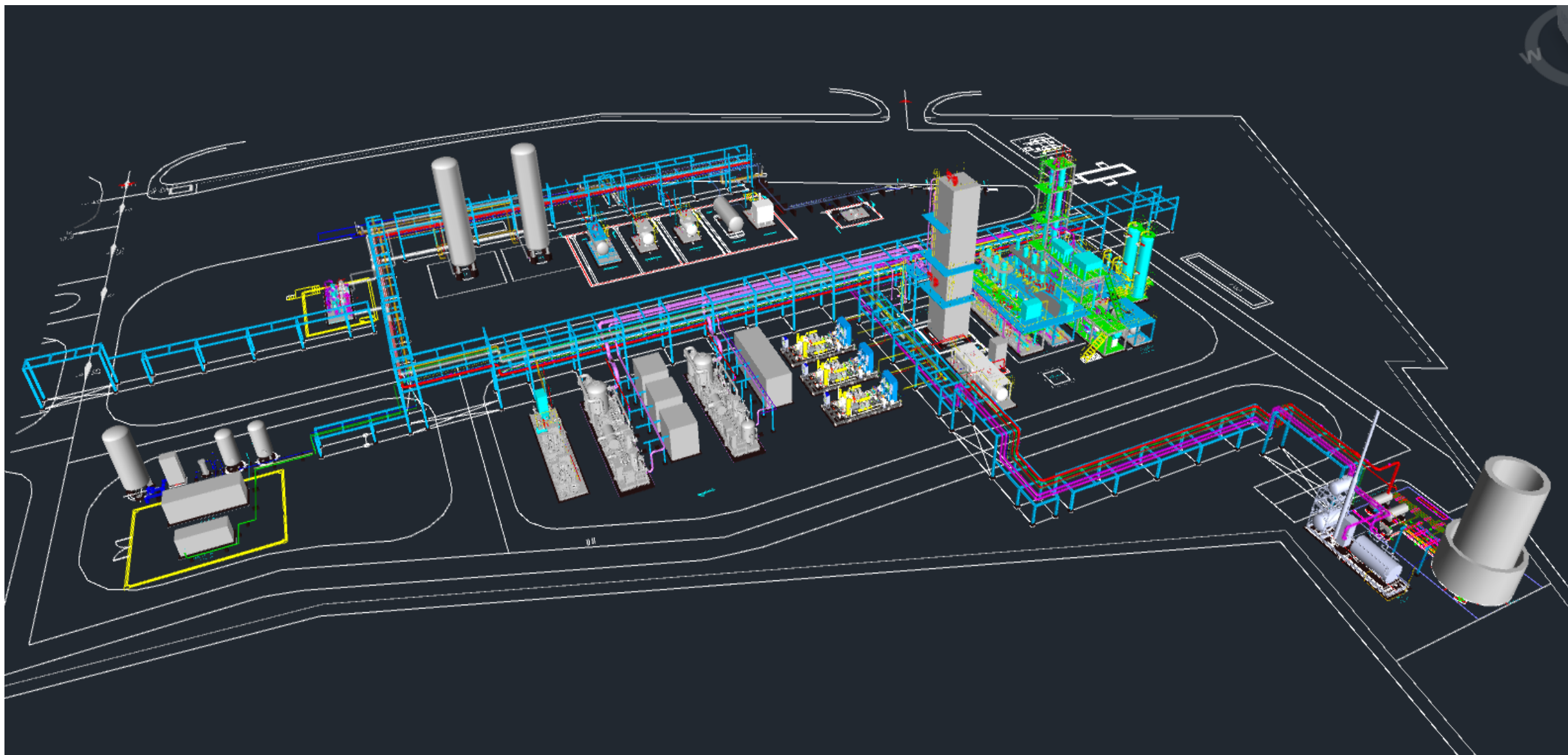
Construction site zoning scheme:



General master plan:

LNG production Process Flow Diagram





Specifications and requirements:

№	Parameter name	Units of measurement	Indicator
1	Natural gas consumption	cubic meters /hour	9 300
2	Electricity consumption	kW	~4 800
3	LNG production capacity	tons/year	50 000
4	CO ₂ content in LNG	ppm	no more 50
5	Water vapor content of LNG	ppm	no more 1
6	Nitrogen content in LNG	% мол.	no more 1
7	Area of the construction site	hectare	3,5

Production composition:

№	Block name
1	Gas metering and preparation unit
2	Compression unit
3	Mercaptan removal unit
4	CO ₂ purification unit
5	Drying and mercury removal unit
6	Heavy Hydrocarbon Removal Unit
7	Natural gas liquefaction unit with denitrification column
8	Mixed refrigerant compression unit
9	LNG storage unit (2x100 cubic meters)
10	Boil-off gas compression unit
11	LNG loading unit
12	Mixed refrigerant filling, storage and dosing unit
13	Water treatment unit
14	Nitrogen preparation unit
15	Thermal oil preparation unit
16	Closed flare unit

A large, stylized flame graphic on the left side of the slide, composed of overlapping blue and teal shapes with a dark blue shadow, resembling a flame or a ribbon.

Thank you for your attention!