

Experience on biomethane plants connection to GTS

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Regulatory framework for connection of biomethane facilities to the GTS

Main requirements for connection of biomethane production facilities to the GTS

- Produced biomethane must comply with the physical and chemical specifications provided for natural gas
- The biomethane delivery point is equipped with devices that continuously monitor the gas's physical and chemical parameters, with capabilities for remote control, data transmission, and automatic shut-off
- The connection of biomethane production facilities to GTS, including construction of reverse compressor stations, is carried out by the gas TSO at the expense of the producer
- Written statement from the gas DSO confirming the absence or insufficiency of available capacity to accept biomethane into the gas distribution network

Direct
connection

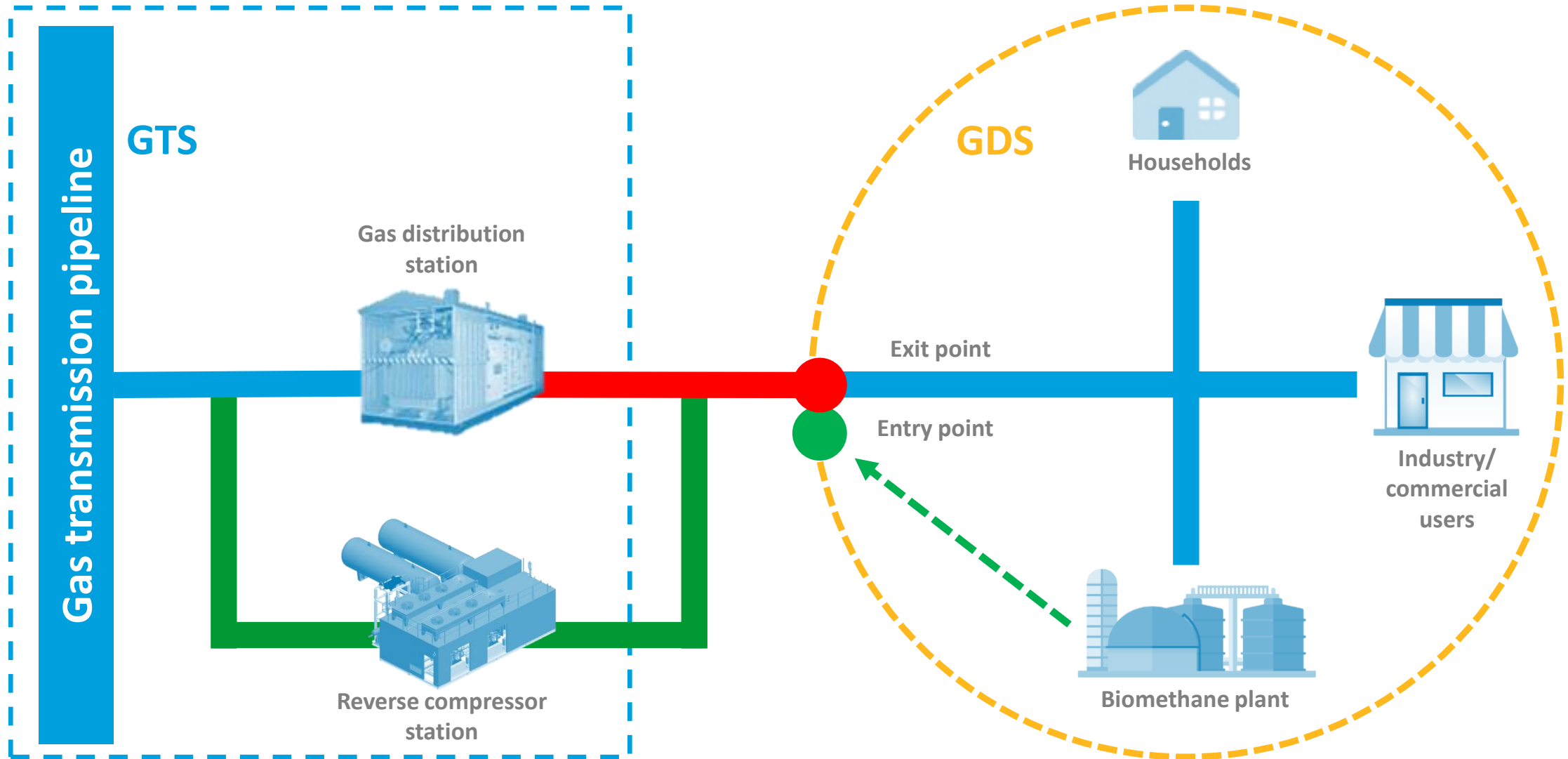
Connection
via DSO



Despite the technical limitations of distribution system connection of biomethane production facility to the gas grid is ensured by construction of reverse compressor station



Connection scheme of biomethane producers to GTS via GDS



Potential for connecting biomethane facilities to the GTS of Ukraine

23
6 companies requested to assess the possibility of connecting to GTS

6
1 technical specifications for connection of biomethane plants to GTS have been issued by GTSOU

54
7 promising biomethane plants under consideration for connection to GTS of Ukraine

470 mln m³
54 mln m³ estimated capacity of those 54 biomethane plants

DESIGN
AGREED

The first design and cost estimate documentation for direct connection to the GTS has been agreed by GTSOU. The connection capacity of biomethane production facility is 5,5 tcm/hour

XX in total
XX for 2024-2025 period

Obstacles and considered support schemes for connecting biomethane production facilities to GTS

