

JSC «GTL»

2000. - creation of JSC "GTL" for projects processing of natural and associated petroleum gas

The advantages of technology

- Economic efficiency
- Absence of liquid effluents and emissions
- All stages of the technology were successfully tested
- GTL plant technology allows a subsequent increase in production capacity by commissioning additional modules

Achievements

JSC «GTL» developed more than 100 different innovations that have been patented or are in the process of obtaining Russian and international patents.

Including:

- the technology of direct synthesis of high-octane components of gasoline and alcohols
- a reactor of direct synthesis of highoctane components of gasoline and alcohols
- batch vortex nozzle (BVN).
- highly efficient catalysts
- energy saving, compact absorbers
- unique distillation columns
- furnace unit installation of methanol chemistry

Partners

N.N. Semenov Institute of chemical physics



Institute of problems **Chemical Physics**



Ivanovo State **University of Chemical Technology**



Moscow State University of **Environmental Engineering**



State Institute of Nitrogen Industry



Gubkin Russian State University of Oil and Gas



Keldysh Institute of Applied Mathematics



Ivanovo State Energy University



The Federal Space Agency



Academy of engineering Sciences of the Russian Federation



D. Mendeleev University of Chemical Technology of Russia





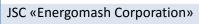
Seversk Technological Institute



JSC «Zenit-KHIMMASH»



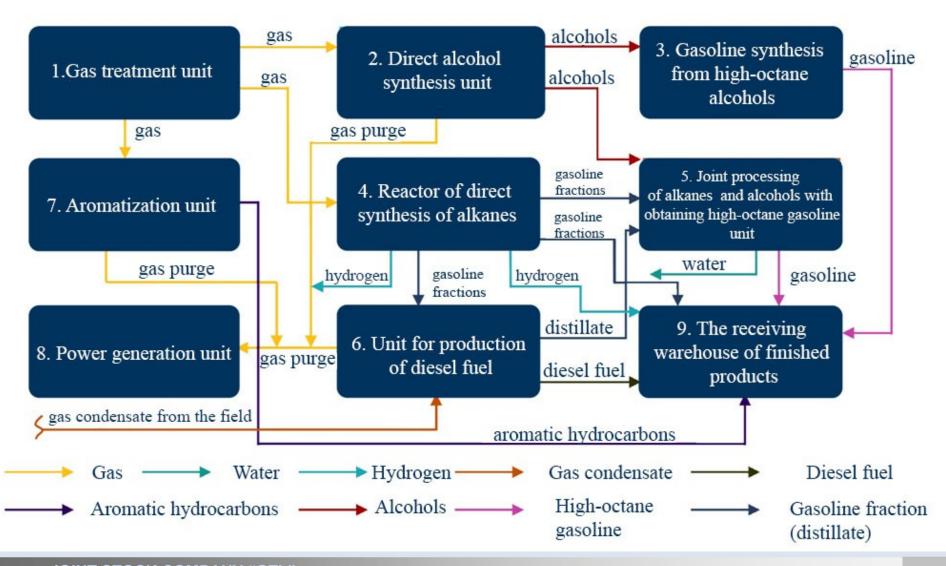
National Research Nuclear University MEPhI







General technological scheme



Key features of GTL plant



The plant capacity - 100 thousand tons of finished products per year



The volume of gas consumption - 150 million cubic meters per year



The cost of creating the plant "turn-key" - no more than 800 US dollars per ton of finished product



The period of development of the plant – not more than 24 months



Electricity consumption - only during the creation of the plant

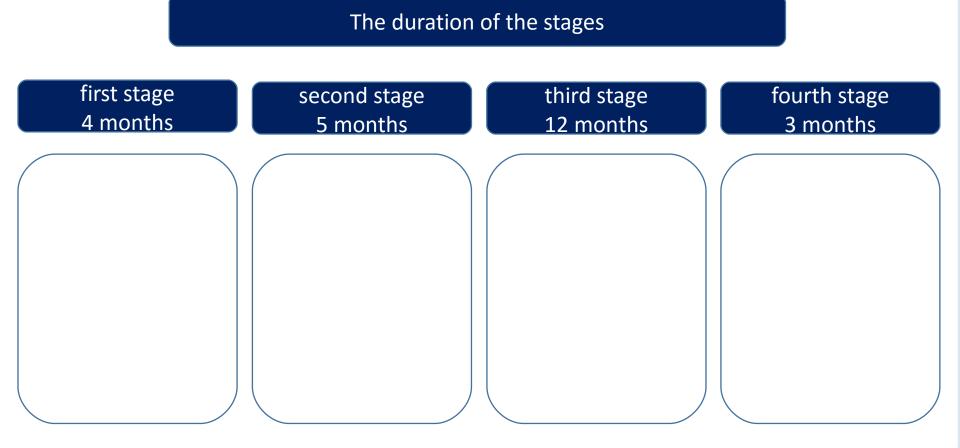


Dimensions of land for construction of the plant – 200m x 100 m

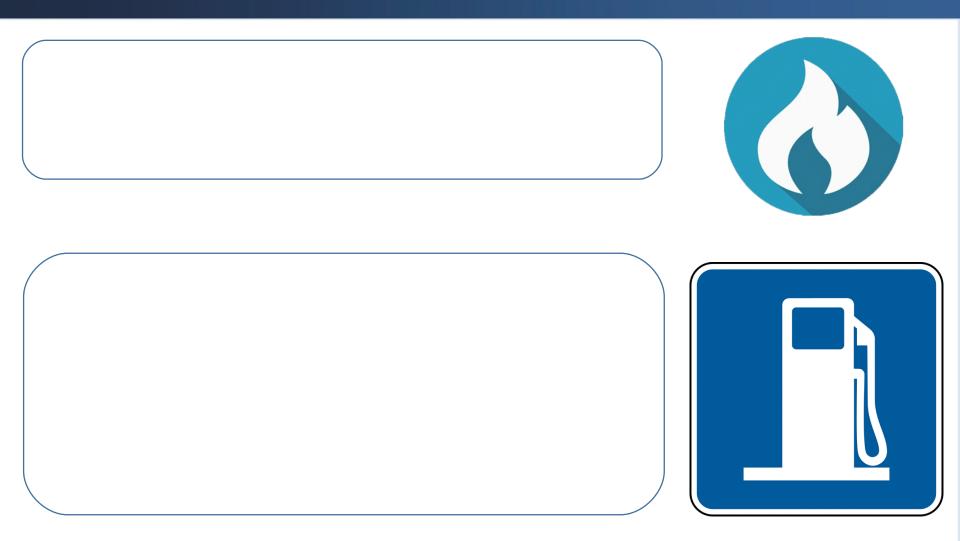


Estimated project timeline

The process of establishing a GTL plant takes not more than 24 months



Characteristic of the generated products



Partnership

