

INGC
15 years



COMPANY TODAY

Modern engineering and manufacturing company,
founded in 2010

Area of the production facility

150 000 M²

more than **550**
employees

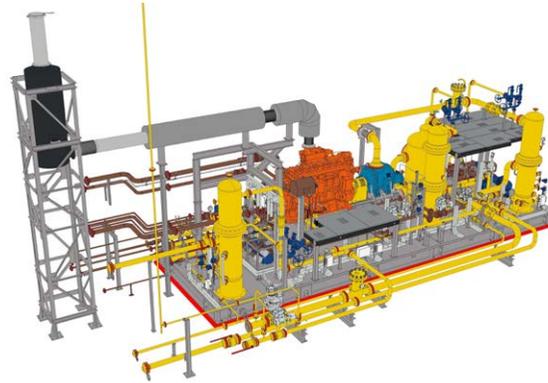
- Custom design and engineering based on end-user requirements
- Solutions for Up-stream, Mid-stream and Down-stream applications
- Completed and fully-tested equipment from own facility
- After-Sales support



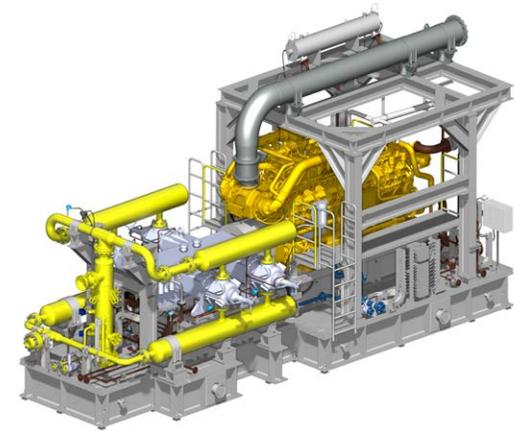
PRODUCT LINE



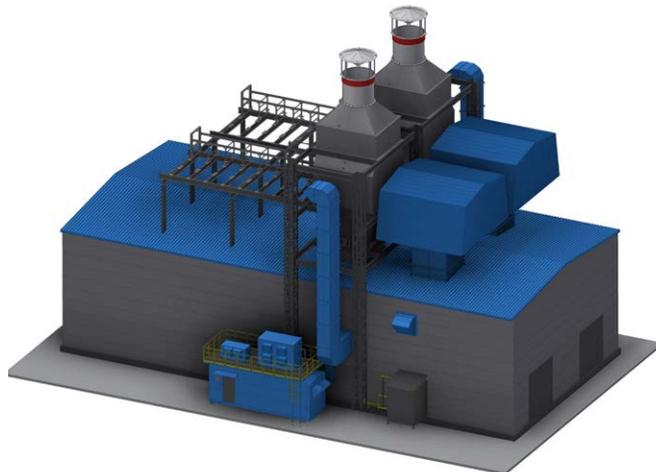
CENTRIFUGAL GAS COMPRESSOR UNITS



SCREW COMPRESSOR UNIT



RECIPROCATING COMPRESSOR UNIT



GAS TURBINE POWER UNITS



**MOBILE COMPRESSOR UNITS (MCU)
BASED ON THE COMMON MOTOR-DRIVEN
COMPRESSOR**

IRTYSH CENTRIFUGAL GAS COMPRESSOR UNITS

- Power range from 4 to 32 MW
- Modular design or easy-to-assemble hangar type
- High prefabrication level
- Different climatic categories
- New projects and modernization of existing compressor stations
- Drive: gas or steam turbine, electric motor
- Compliance with API 617 standard

Gas turbines: Bakers Hughes, Siemens, Solar Turbines, United Engine Corporation and others

Compressors: Nuovo Pignone, Siemens, Solar Turbines and others



GAS TURBINE POWER UNITS

- Power range from 4 to 450 MW
- Stationary and mobile application
- High prefabrication level
- Block-modular design
- Gas turbine power units can be supplied in the common hangar
- Power generation for any applications



Gas turbines: Bakers Hughes, Siemens, Solar Turbines, United Engine Corporation and others

RECIPROCATING COMPRESSOR UNITS

- Power range from 30 kW to 6 MW
- Design: modular, on-skid
- High prefabrication degree, easy for installation and commissioning
- Operation in wide pressure at high efficiency values
- Up-stream and down-stream application
- Arctic, tropic and off-shore application
- Drive: gas engine, electric motor, steam turbine
- Compliance with API 618 standard



Compressors: Ariel, Dresser-Rand, Nuovo Pignone, Cooper, Burckhardt and others

SCREW COMPRESSOR UNITS

- Up to 3 MW
- Design: modular, on-skid
- High prefabrication degree; packaged modular supply
- Easy installation and commissioning
- Capacity control from 10% to 100%
- Drive: electric motor, gas engine
- Compliance with API 618 standard



**Compressors: Howden, Kobelco, GEA
Grasso and others**

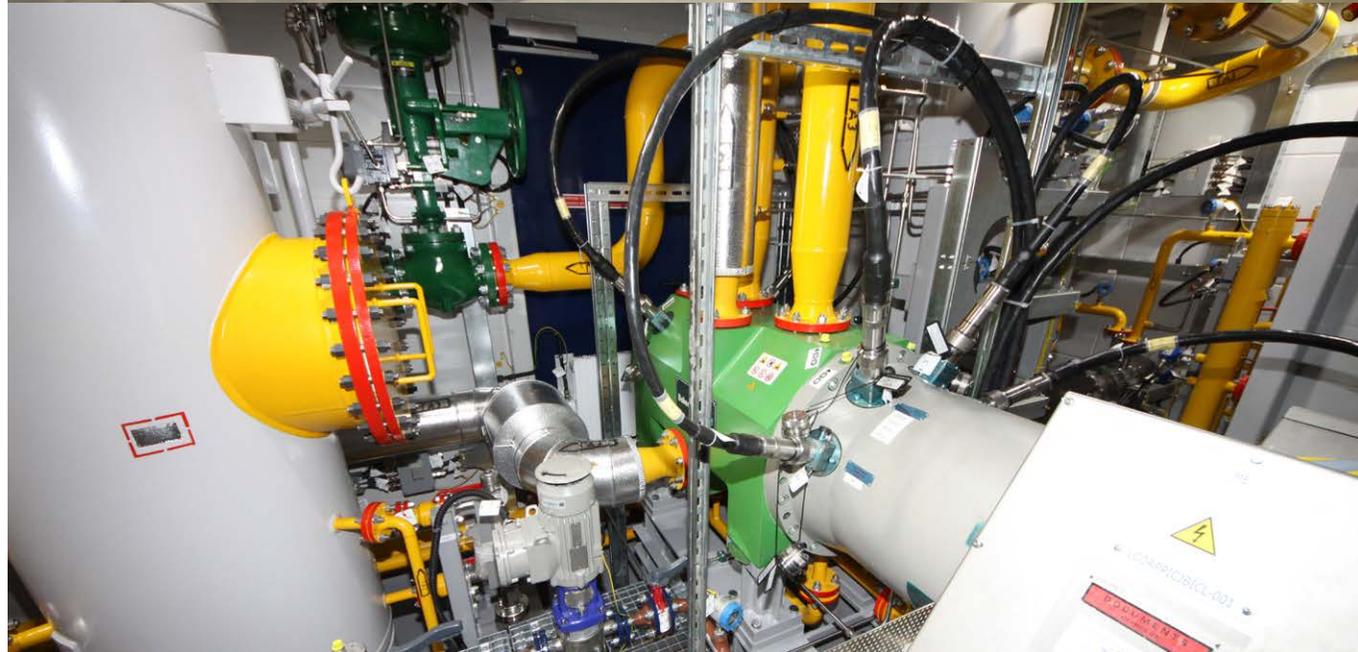
MOBILE COMPRESSOR UNITS BASED ON THE COMMON MOTOR-DRIVEN COMPRESSOR

Mobile Compressor Unit (MCU) is a modern and economical alternative for compression of low pressure gases.

MCU in block design of various capacities for compression of low-pressure gases for fields with falling production, with the use of sparsely populated maintenance technologies.

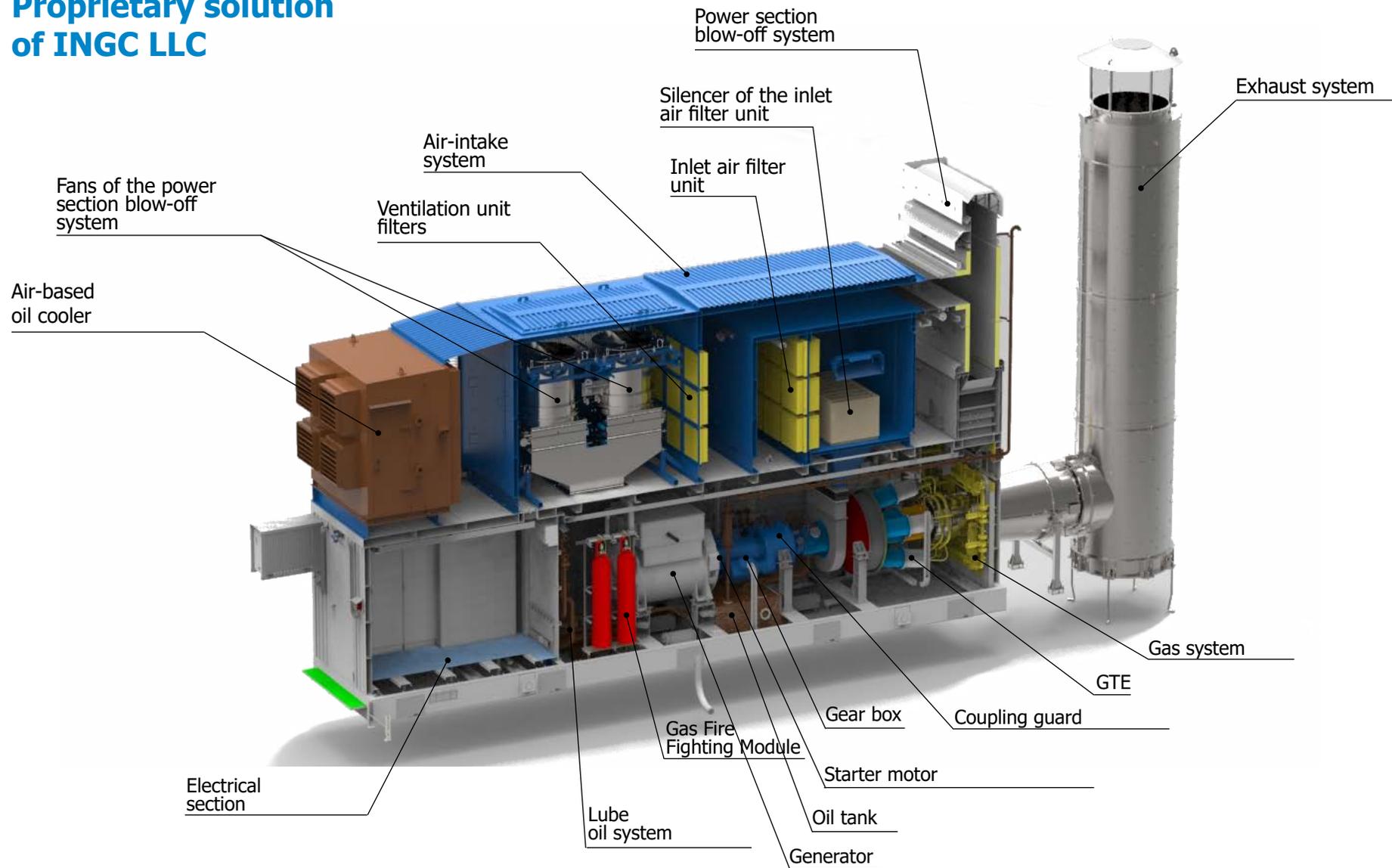
Main advantages:

- Single skid-mounted design including air cooling unit; ready-to-operate
- Minimum site preparation for MCU installation on site
- No increase gear, lubrication system, seal gas system; no gas release and leakage
- Optimal power consumption in each mode due to VFD; prompt cold startup
- Maximum possible intervals between maintenance and repair
- Use of minimally manned MCU operational technologies



COMPONENTS AND SYSTEMS

Proprietary solution of INGC LLC





ADVANTAGES

- High fuel flexibility
- Small footprint and low weight
- 40000 hours between major overhauls
- 8000 hours regular maintenance intervals
- Easy maintenance
- Minimum oil consumption
- Hot and cold climate operation
- Low emission level
- Fast installation and commissioning

Exhaust system



Air cooler module



Power module



GAS TURBINE ENGINE (GTE) AA-2000

AA-2000 is a radial type gas turbine designed in the 2 MW power range which gives unique reliability compared to the conventional axial gas turbines. Compact and reliable AA-2000 gas turbine engine is suitable for oil and gas industry, marine industry and commercial market of electric-power engineering.

Compare to gas engine or diesel engine:

- Flare gas with H₂S as fuel
- Compact
- Light weight
- Vibration free
- Low oil consumption
- Easy maintenance



CAPACITIVE AND SEPARATION EQUIPMENT

Pressure is up to 35 MPa. Volume is up to 100 m³

Options:

- Filling
- High pressure
- Separators
- With external anti-corrosion coating
- With internal baffles
- With mixing devices
- With inner coating (epoxies, gumming)
- Other

Materials:

- Carbon steel
- Stainless steel
- Special steels and alloys

The vessels are designed and manufactured in accordance with the requirements of ASME, GOST, federal rules and industrial safety regulations



DESIGN DEPARTMENT

- Development of technical assignment, sets of reference, design, operating and repair documentation
- Design of the associated process equipment and auxiliary systems
- Strength, gas-dynamic, hydraulic, thermal, acoustic calculations
- 3D-modelling

Own Design team - more than 120 persons

- Design of automation and power supply systems, lighting, power equipment and instrumentation equipment
- Application of modern and innovative technical solutions, technologies and materials in the course of work on the project
- Development of engineering documentation in accordance with API, ISO, ASTM and ASME standards
- Designer supervision at all stages of the project implementation at its own facilities and at the ones of the equipment subvendors



MANUFACTURING

Novo-Gayvinskaya Plant

- Total area is 65 000 m²
- Assembly and welding workshop is 5 000 m²
- Painting workshop is 1 500 m²
- Offices are 2 500 m²



MANUFACTURING

Brodovsky Plant

- Total area is 84 000 m²
- Assembly workshop is 14 900 m²
- Offices is 2 000 m²
- Load capacity of cranes is from 10 to 80 tones
- Gates of 10 x 10 m
- Test bench for compressor units



PRODUCTION CAPABILITIES

1. **Blank preparation section:** metal cutting and plasma cutting, lathe, milling and drilling operations
2. **Welding and assembly section:** welding, mocking-up, assembly of steel structures and process equipment
3. **Machine assembly section:** packaging of the systems, installation of the process equipment and argon arc welding
4. **Electrical section:** assembly of the switchboard equipment and performance of electrical work package
5. **Section of the vessel equipment automatic submerged-arc welding**
6. **Painting shop with sand blasting**
7. **Packing section**
8. **Finished products storage area:** Storage and shipment area



TECHNICAL SUPPORT AND SERVICE

- Erection supervision work
- Commissioning and start-up
- Maintenance service
- Delivery of spare parts
- Equipment modernization
- Specialists of the company have valid certificates and accreditation for performing work
- Experience in performing erection supervision and commissioning works on the following equipment: Caterpillar, Cooper, Ariel, Howden, Nuovo Pignone, John Crane, Eagle Burgmann, Thermodyn, GE, Baker Hughes, Solar Turbines, etc
- Delivery of spare parts and consumables, service, warranty and post-warranty maintenance



QUALITY SYSTEM

INGC products have all necessary certificates of conformity and other authorization documentation

Certificates of compliance with the requirements of international standards:

- ISO 9001:2015
- ISO 14001:2015
- OHSAS 18001:2007
- ASME
- INTERGAZCERT
- TR TS
- INTI S.QS.7-2024
- Others





HEAD OFFICE

14 Nauchny proezd, litera A, bld. 3,
Moscow, Russia, 117246
Tel.: +7 495 231 46 73 / 61
info@ingc.ru

ingc.ru/en