





COMPANY TODAY

Modern engineering and manufacturing company,
founded in 2010

Area of the production facility is more than

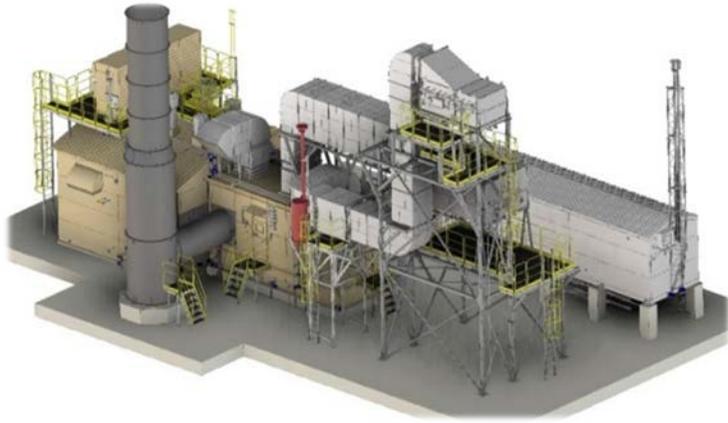
150 000 m²

more **500**
employees

**Manufacture of compressor and power
equipment, centrifugal gas compressor units:**

- 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



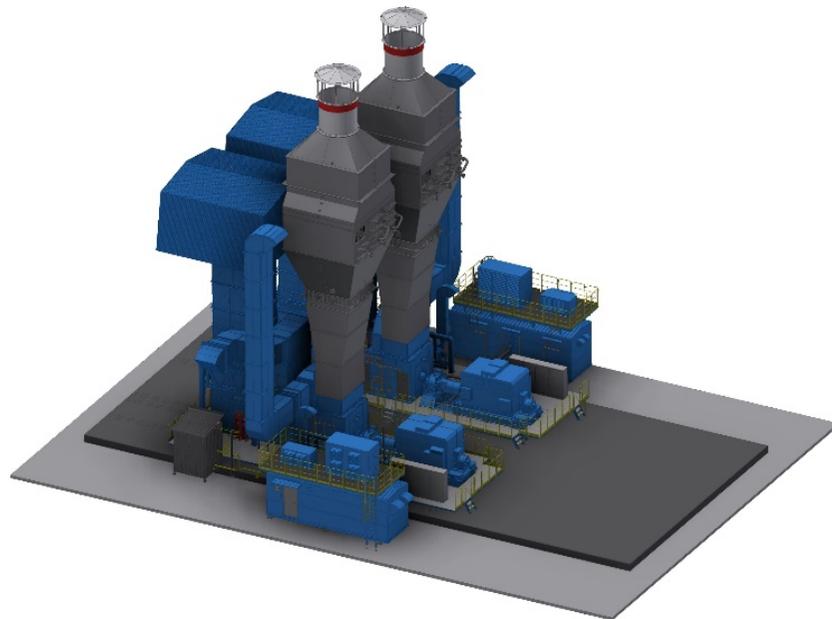
CENTRIFUGAL GAS COMPRESSOR UNITS



SCREW COMPRESSOR UNIT



RECIPROCATING COMPRESSOR UNITS



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

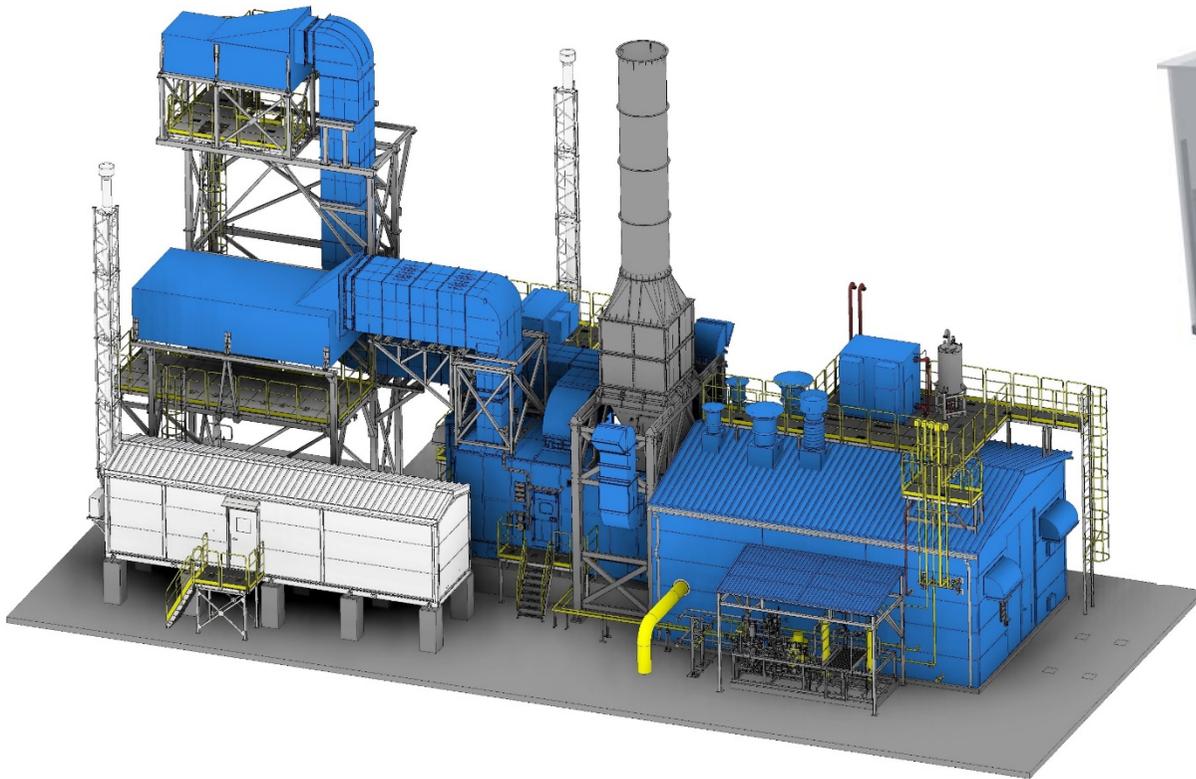
Manufactured

71 units

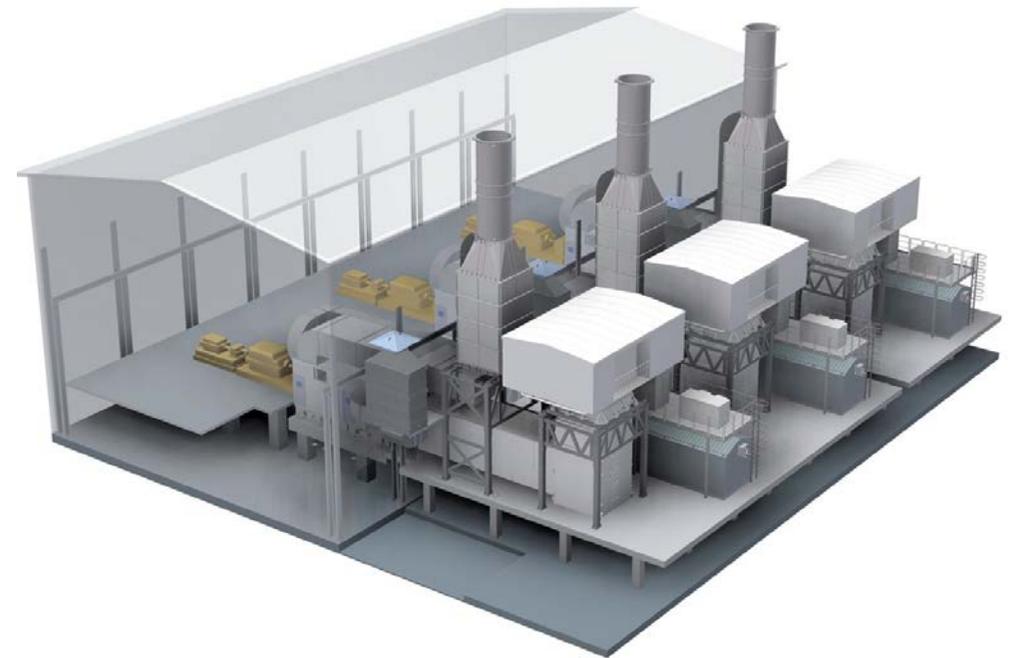


UNITS DESIGN

HANGAR TYPE



MODULAR CONSTRUCTION



GAS TURBINE POWER UNITS

- Power range from 4 to 32 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

Manufactured
6 units



RECIPROCATING COMPRESSOR UNITS

- Power range from 30 kW to 16 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

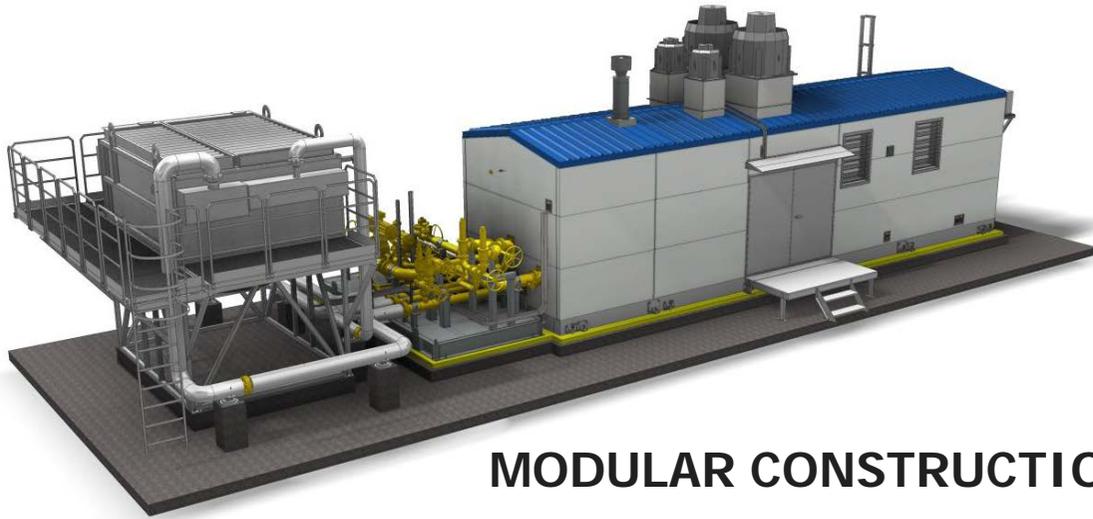
Compressors: Ariel, Dresser-Rand, Nuovo Pignone, Cooper, Burckhardt and others

Manufactured

60 units

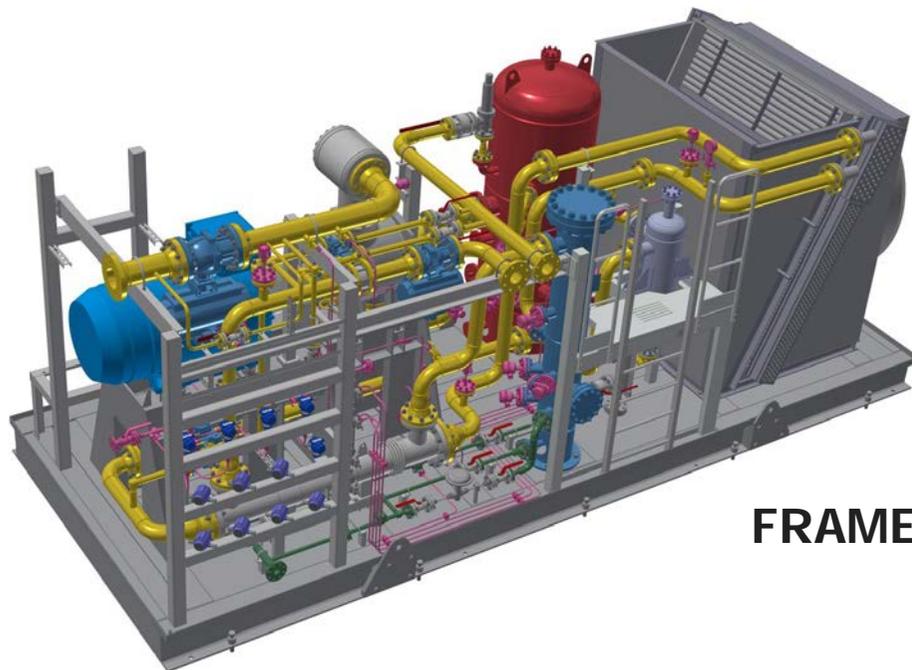
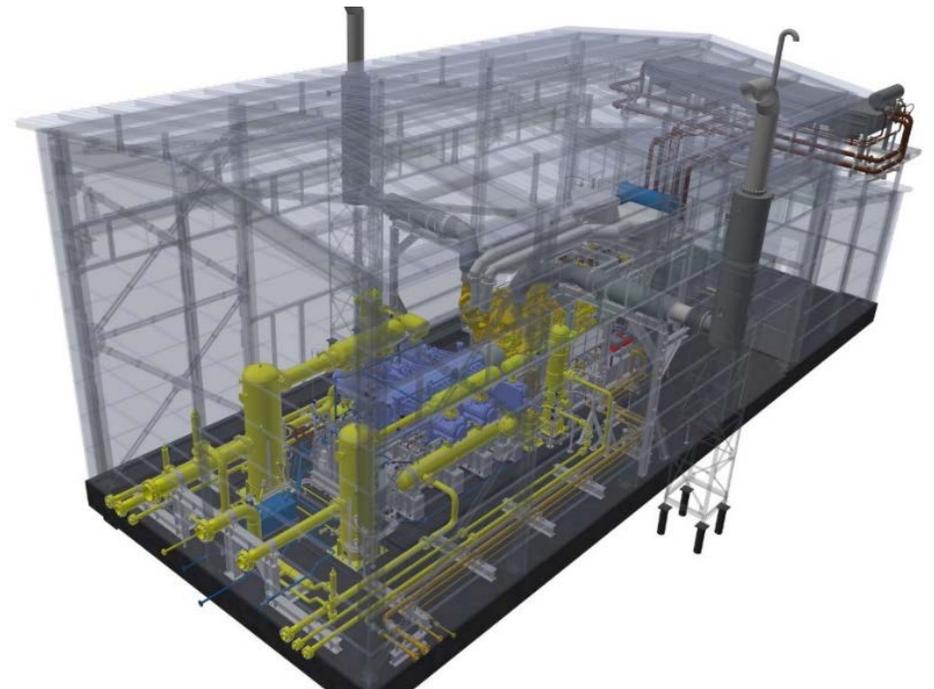


UNITS DESIGN



MODULAR CONSTRUCTION

HANGAR TYPE



FRAME CONSTRUCTION

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

Manufactured

16 units



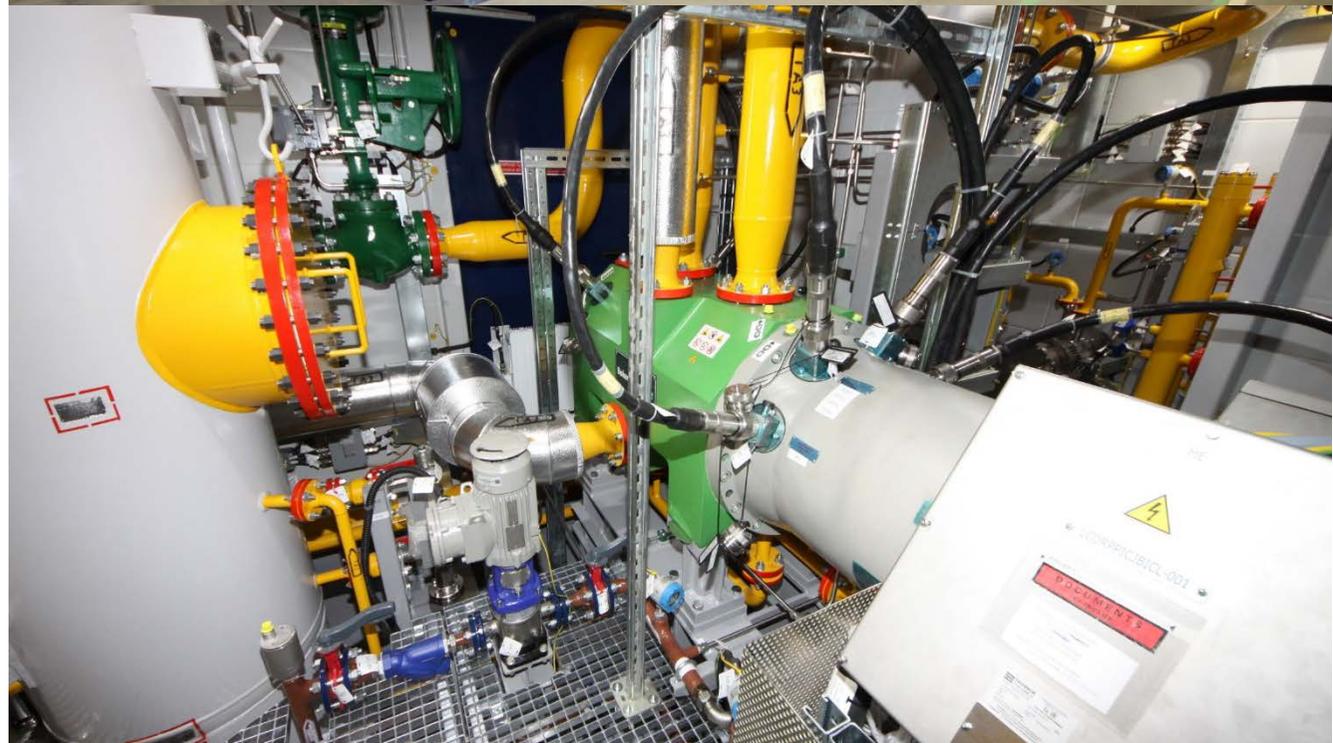
MOBILE COMPRESSOR UNITS BASED ON THE COMMON MOTOR-DRIVEN COMPRESSOR

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



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



NON-STANDARD METAL CONSTRUCTIONS



TECHNOLOGICAL EQUIPMENT/ PIPING ARRANGEMENT



SETS OF EQUIPMENT



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
- ADNOC
- INTERGAZCERT
- TR TS
- Others

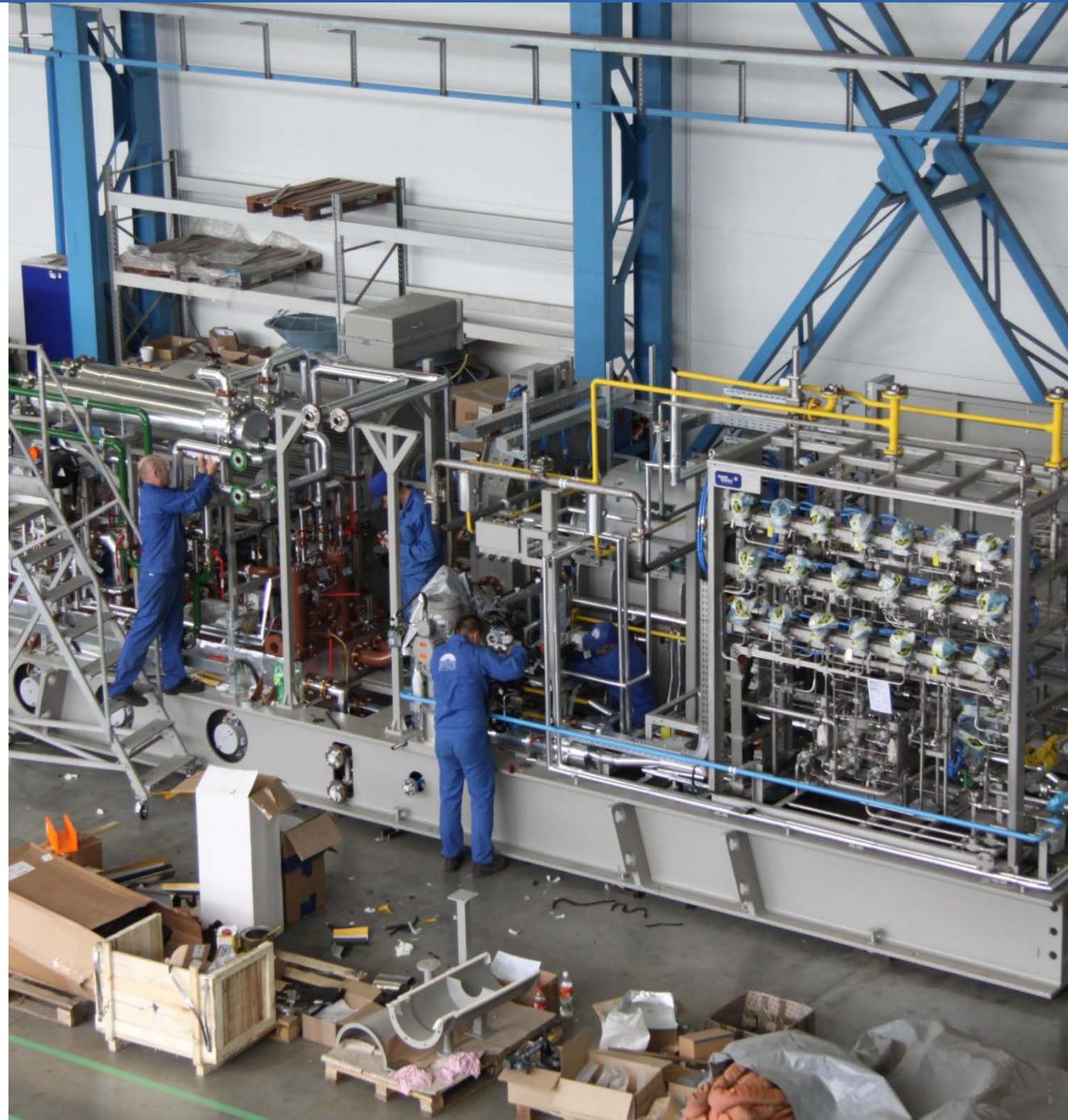
This row contains four IGC certificates. The first is a Certificate of Conformity (№ ОГНН.РУ.1415.00216) for a compressor unit. The second is a Certificate (№ ОГНН.РУ.1415.00216) for a compressor unit. The third is a Witness (№ ОГНН.РУ.1415.00216) for a compressor unit. The fourth is a Certificate of Conformity (№ ОГНН.РУ.1303.00216) for a compressor unit.

This row contains four documents. The first is a Russian Register Certificate (№ 20.1703.026) for a compressor unit. The second is an IGC Certificate (№ ОГНН.РУ.1303.001507) for a compressor unit. The third is a Russian Register Certificate (№ 20.1703.026) for a compressor unit. The fourth is a Russian Register Certificate (№ 20.1703.026) for a compressor unit.



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



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

More
40 | Full completely units



MANUFACTURING

Brodovsky Plant

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

More

40

Full completely units

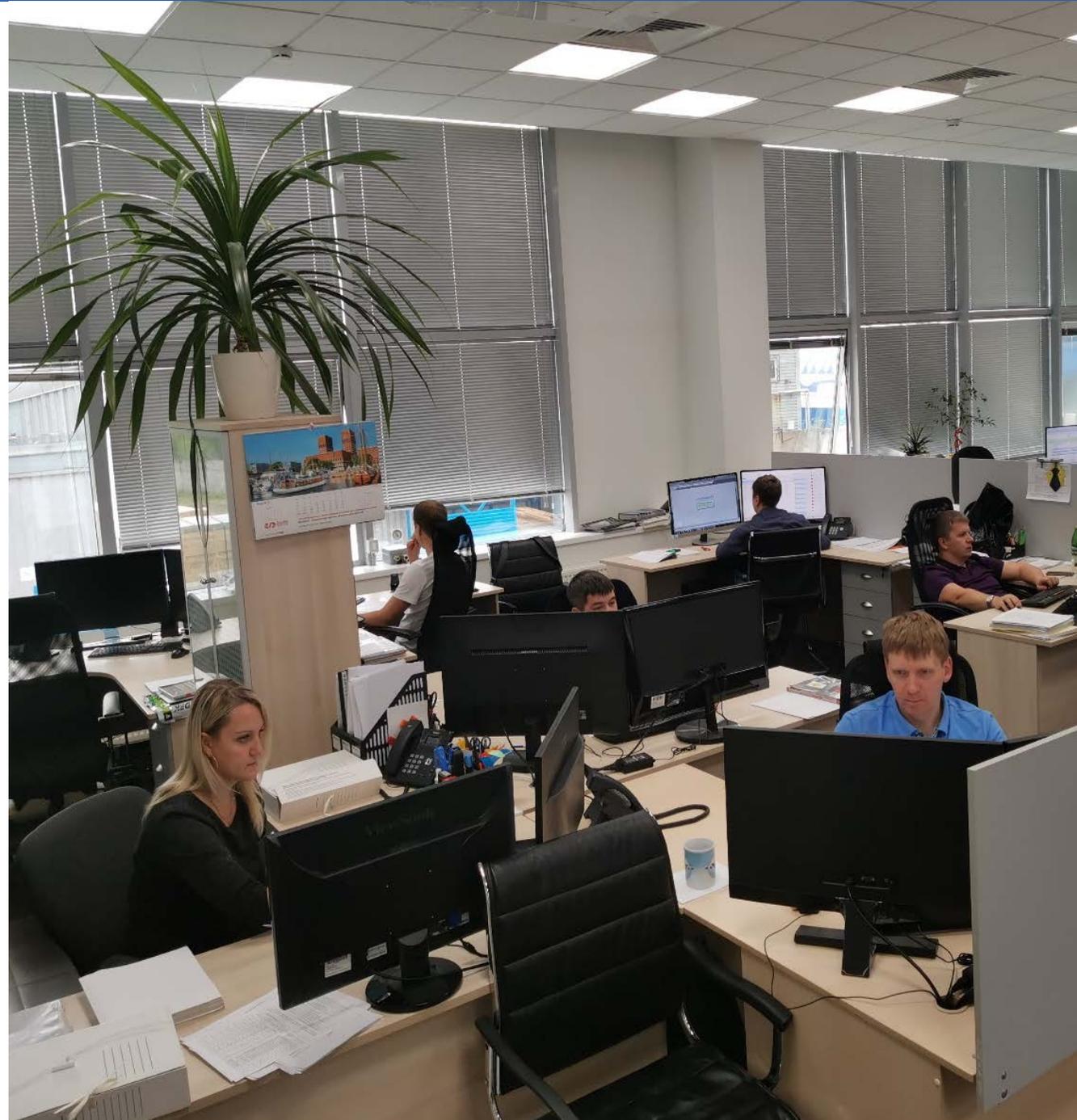


DESIGN DEPARTMENT

- 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



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



MAINTENANCE, OVERHAUL



PROJECTS

YUZHNO-RUSSKOYE OIL AND GAS FIELD

Centrifugal gas compressor units for operation of the booster compressor workshop, in terms of extension for Yuzhno-Russkoye oil and gas field

Drive: Gas turbine GTU-16PA
(UEC-Aviadvigatel JSC)

Compressor: Centrifugal NC-16 DCS-02
«Ural» (Iskra PJSC)

Capacity: 16 MW

Discharge pressure: 7,4 MPa (g)

Production rate: 25,1 billion normal m³/year

Severneftegazprom LLC (2012-2020)
(Gazprom)

Number of units:

14 centrifugal gas compressor units

Works on site:

Installation and commissioning of GCU with a drive, compressor and hangar, replacement of the compressor bundles



NOYABRSKNEFTEGAS

Packaged modular compressor unit
based on the integrated centrifugal ICL
motor-compressor

Motor-Compressor: ICL (Thermodyn, BHGE)
Capacity: 0,33 MW
Discharge pressure: 0,81 MPa (g)
Production rate: 1903 normal m³/h

Gazprom Neft PJSC (2021)

Number of units:
1 packaged modular compressor unit
The first in Russia

Works on site:
Installation supervision and commissioning



BOVANENKOVSKOE GAS FIELD

Complete gas turbine power units of blockmodular design

Drive: GTU-12PG-2 (UEC-Perm Engines JSC)

Generator unit: TC-12-2PYXЛ3
(Elektrotyazhmash-Privod LLC)

Capacity: 12 MW

Gazprom dobycha Nadym LLC (2022)

Number of units:

2 gas turbine power units «Irtysh»

Works on site:

Erection supervision and commissioning of gas turbine power units



CAMEROON REPUBLIC

The first compressor unit for INGC manufactured to meet all the requirements of the Maritime Register for the operation of equipment on the sea shelf

Ready-to-operate on-frame reciprocating compressor units

Drive: CT 500 Y6 (Nidec)

Compressor: CFH64 (COOPER)

Capacity: 1,4 MW

Discharge pressure: 8,5 MPa (g)

Production rate: 9 417 normal m³/hr

Perenco Rep S.A.R.L. (2021)
(France)

Number of units:

2 reciprocating compressor units

Works on site:

Installation supervision, commissioning,
commissioning of the facility



AMURSKY GAS CONDENSATE FIELD

Packaged screw CU on the frame. Outdoor design

Drive: M3KP 355SMB 2 IMB3 (ABB)

Compressor: KS25LX (Kobelco)

Capacity: 0,32 MW

Discharge pressure: 1,04 MPa (g)

Production rate: 3 398 normal m³/hr

Linde GmbH (2022)
(SIBUR Holding)

Number of units:

1 screw compressor unit



COMPONENTS, ASSEMBLIES AND STRUCTURES FOR COMPRESSOR UNITS



Gas Turbine Enclosure
Lokosovsky gas field
UEC-Aviadvigatel



Air intake system
Udarnaya electric station
UEC-Aviadvigatel



Gas Turbine Enclosure ventilation system
Salmanovskoe (Utrennee)
oil and gas condensate field
NOVATEK



Gas Turbine Enclosure ventilation system
Yuzhno-Sakhalinskaya TPS-1
UEC-Aviadvigatel



Gas separators
Novo-Urengoy license area
ROSPAN INTERNATIONAL



Exhaust system
Chayandinskoye gas field
Gazpromneft-Zapolyarye



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