



**NBM
GROUP**

2024

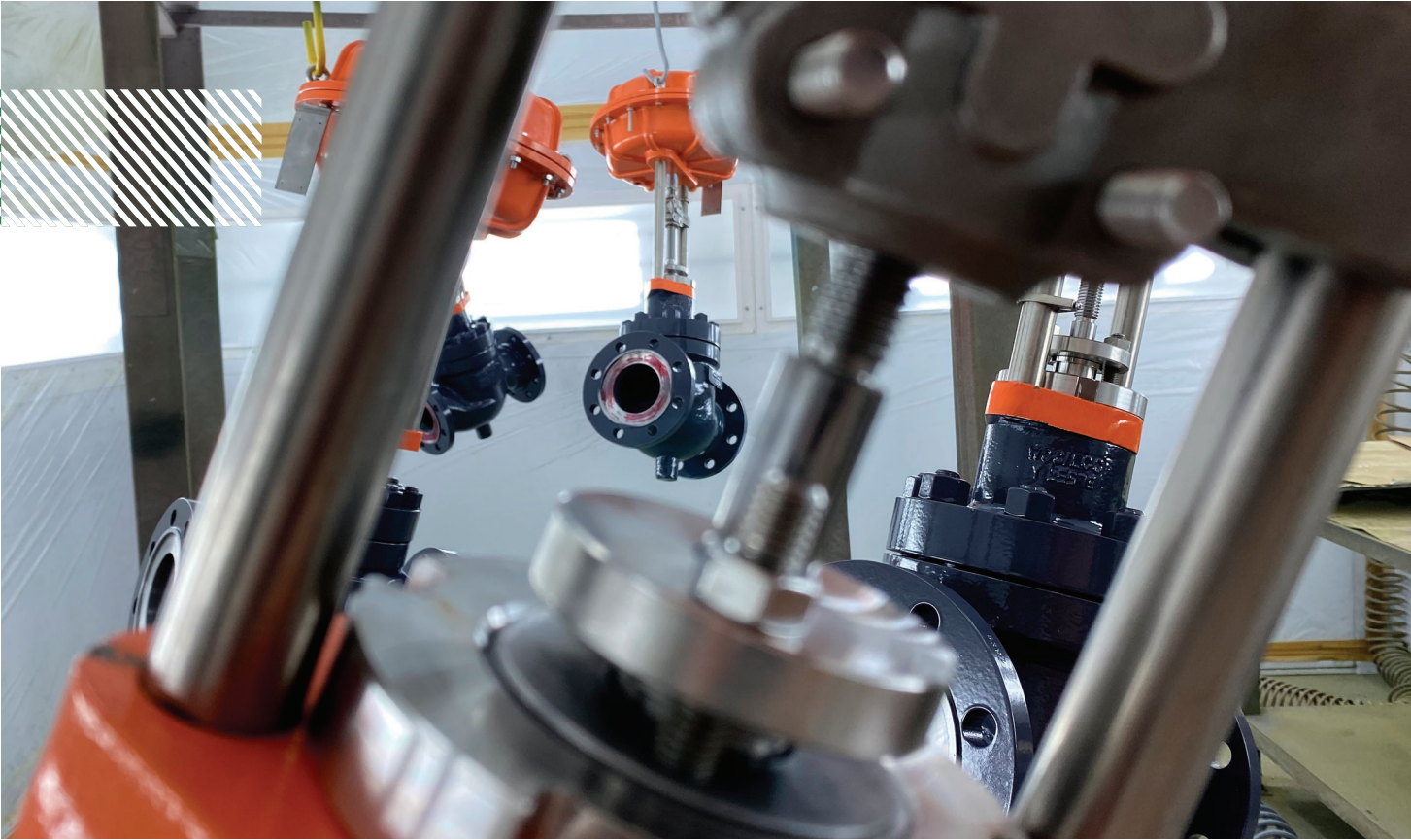


ABOUT GROUP

NBM Group is a modern business partnership of companies from Veliky Novgorod, working in the field of the design, production, and supply of valves since 2005, starting with the parent company JSC Energomash.

NBM Group specializes in the production and supply of high-tech on-off and control, shut-off, safety and check valves to hundreds of enterprises in the oil and gas, petrochemical and energy industries in Russia and around the world.

The existing production facilities and qualified personnel, knowledge of the market, products, experience in manufacturing, promotion and sales, a close-knit work team ensure conditions for the further successful development of existing and newly established enterprises by integrating them, providing a rather «flexible» approach in cooperation with various customers, satisfying their most diverse technical and commercial requirements (import substitution, localization, world-class quality, reasonable prices, reasonable timeframes, comfortable payment terms, prompt service).



GOALS:

- Constant and continuous growth in the quality and range of products supplied.
- Expansion of the client and partner base.
- Creation of a highly effective team of professionals, while maintaining the continuity of generations and constantly increasing the effectiveness of the use of special and general knowledge, including the creation of a system for training and retraining of specialists.

MAIN ACTIVITIES

- Serial production of standard and special pipeline valves in our own production facilities.
- Development, production and supply of complex technological valves.

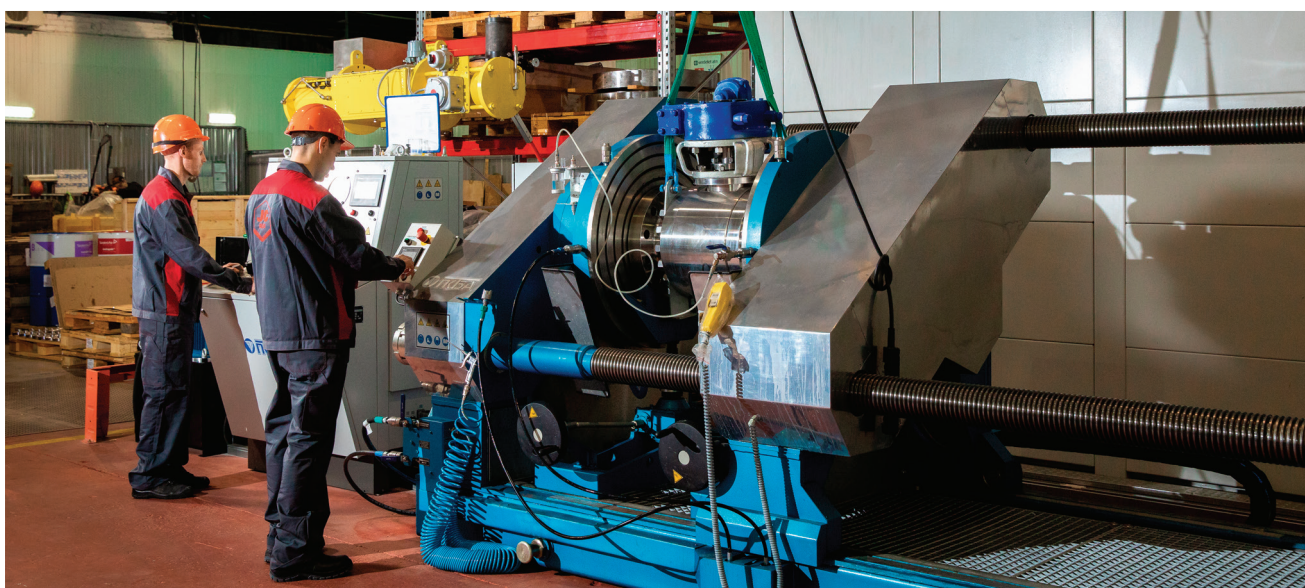
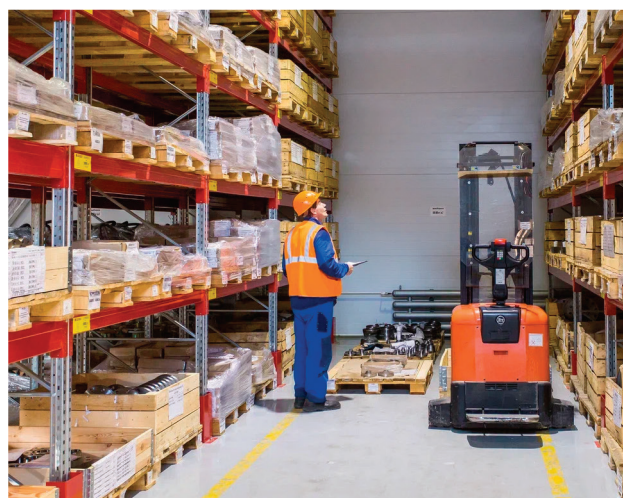
- Equipment supply from the world's top valve manufacturers.
- Service maintenance, supply of spare parts.

COMPREHENSIVE SERVICES IN THE FIELD OF VALVE MANUFACTURING:

- engineering,
- introduction into the production,
- logistics,
- manufacturing, adjustment/setting, testing,
- equipment delivery,
- after-sales service, repair and maintenance services.

STRUCTURE

JCS Energomash along with LLC T-ARM and LLC JC RUS is part of NBM Group.





**ASSET MANAGEMENT
COMPANY "NBM"**

Est. — May 29, 2019.

The holding's management company is created to carry out activities aimed at improving production efficiency and increasing the competitiveness of each enterprise of the group.



ENERGOMASH, JSC

Est. — December 01, 2005.

Production and supply of high-tech shut-off, safety and control valves.

T-ARM

T-ARM, LLC

Est. — August 14, 2014.

Production of in-house designed control valves.



JC RUS, LLC

Est. — April 24, 2018.

JC Rus, LLC is a Russian-Spanish joint venture. The company manufactures and supplies shut-off, on-off, control, check valves and pneumatic actuators.



**INDUSTRIAL COMPANY
"KARAR", LLC**

Est. — November 03, 2017.

Procurement of components of Russian and foreign manufacturers for the needs of the group of companies for manufacture of its own products.



NOVVAGA, LLC

Est. — May 29, 2023.

Production of the in-house designed actuators, selection, and installation of control systems.



ENERGOMASH



JOINT STOCK COMPANY

ENERGOMASH is a modern mechanical engineering enterprise, manufacturing and supplying its products to dozens of oil and gas, petrochemical and power companies in Russia and all over the world.

THE COMPANY

SPECIALIZES IN production and packaged supplies of high performance advanced control valves, shut-off valves, safety relief valves and check valves. Different types of actuators and control accessories can be installed upon request.

PRODUCT QUALITY

IS A CORNERSTONE of the company's strategy. All components undergo 100% income control, including dimension checks and chemical composition control. Our quality management system conforms to requirements of ISO 9001 standard.

ALL THE PRODUCTS

ARE CERTIFIED and conform to requirements of current Russian technical regulations. Furthermore, our equipment successfully passed institutional tests and is approved by the largest oil and gas corporations of the country.

A LARGE WAREHOUSE and well-organized logistics provide competitive terms of equipment delivery to the customers.

PRODUCTION FACILITIES

THE PRODUCTION FACILITIES OF ENERGMASH JSC INCLUDE:

- Incoming, operational and final quality inspection areas
- Non-destructive testing laboratory certified according to Russian and international standards
- Mechanical processing area (turning group $\varnothing 615$ mm L=1500 mm, milling group 1000x1000x1200 mm, workpiece weight 5t)
- Assembly area (maximum size of manufactured products: DN 600, weigh up to 10 tons)
- Area for pneumatic and hydraulic testing (pressure 6-620 kgf/cm²)
- Painting area (shot blasting and painting rooms, maximum equipment size 3000x3000x5000)
- Welding area (surfacing TIG, MIG, MAG, heat treatment 1100x660x880mm).
- Packing area.

Energomash JSC Service Center deserves special attention, which has been providing maintenance services for pipeline valves for more than nine years.

The Service Center provides the following works:

- Repair, calibration of safety valves;
- Diagnostics of the valve tightness on-line;

- Assistance in analyzing costs on shutdown maintenance taking into account recommended spare parts from approved suppliers;
- Training of Customer's personnel on operating the equipment supplied by Energomash JSC;
- Repair and restoration of gate valves, shut-off and ball valves;
- Extension of warranty period of the valves supplied by our company.





T-ARM

T-ARM, LLC is an enterprise specializing in the design, manufacture and supply of pipeline valves, which are widely used in the oil, chemical and gas industries.

THE GEOGRAPHY of our activities covers not only the regions of Russia, but also the neighboring countries. High quality of products and management at T-ARM, LLC is confirmed by certificates of GOST R ISO 9001-2015 (ISO 9001:2015), as well as the necessary permits and certificates of compliance.





PRODUCTION FACILITIES

In 2023, one of the key stages of production development took place for NBM Group. The construction of the first stage of T-ARM LLC new production site has been completed.

At the same time we keep going forward. T-ARM LLC is interested in constant improving of efficiency and competitiveness of its business. Next two stages of construction and of technical development are being planned and implemented.

ONGOING PRODUCTION FACILITIES INCLUDE:

- Assembly area (we are expanding production facilities - the maximum size of manufactured products: DN 1200 weigh up to 25 tons)
- Pneumatic and hydraulic testing area (with pressure from 6 up to 620 kgf/ cm²)
- Lifting equipment (25t beam, 10t loader)
- Welding area (local heat treatment, powder-plasma surfacing, 2 welding points).

IN-HOUSE PRODUCTION

CONTROL VALVES

DN 25 - 500 mm

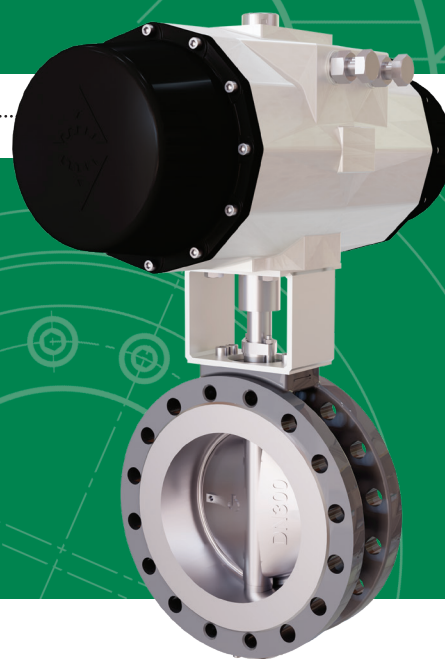
PN 16 - 400 (ANSI 150 - 2500)



SEGMENT VALVES

DN 25 - 300 mm

PN 16 - 100 (ANSI 150 - 600)

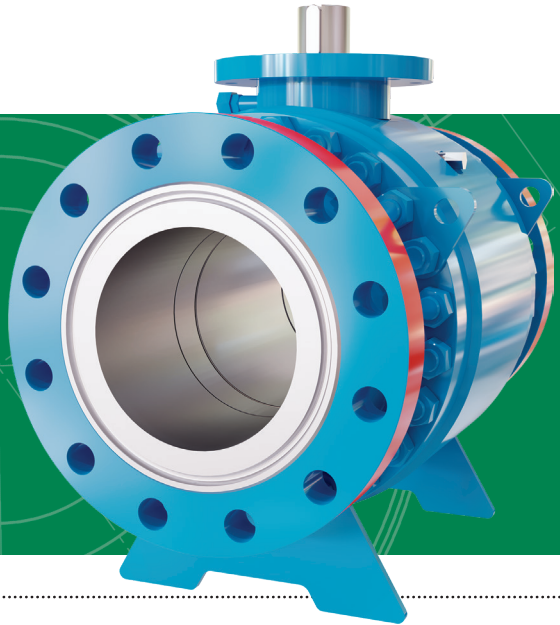


BUTTERFLY VALVES

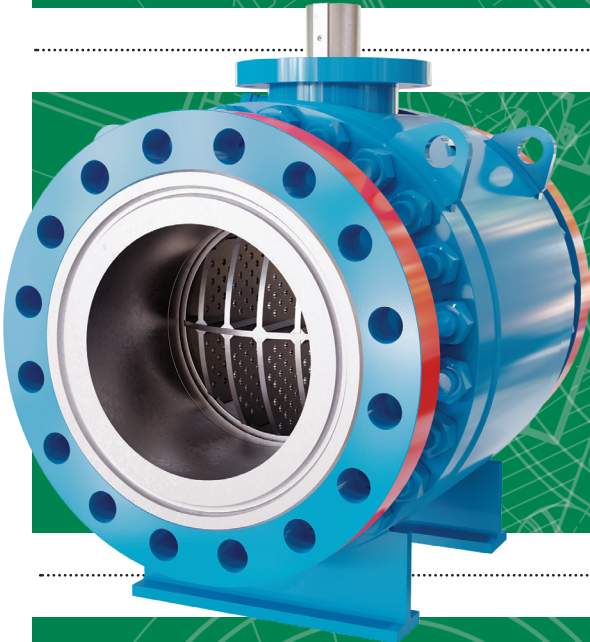
DN 80 - 700 mm

PN 16 - 100 (ANSI 150 - 600)

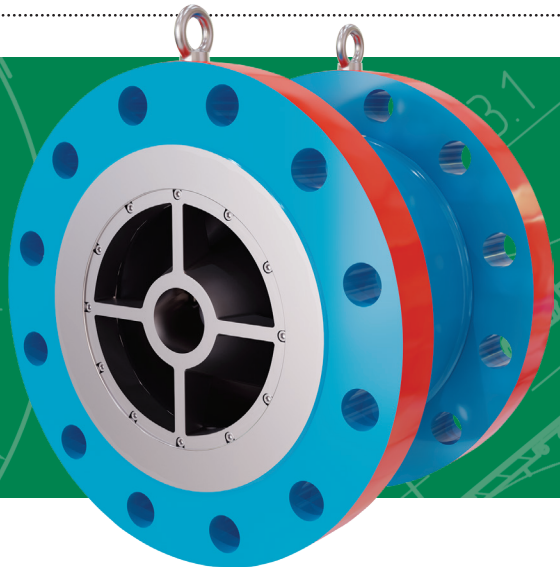
BALL VALVES
DN 25 - 900 mm
PN 16 - 250 (ANSI 150 - 1500)



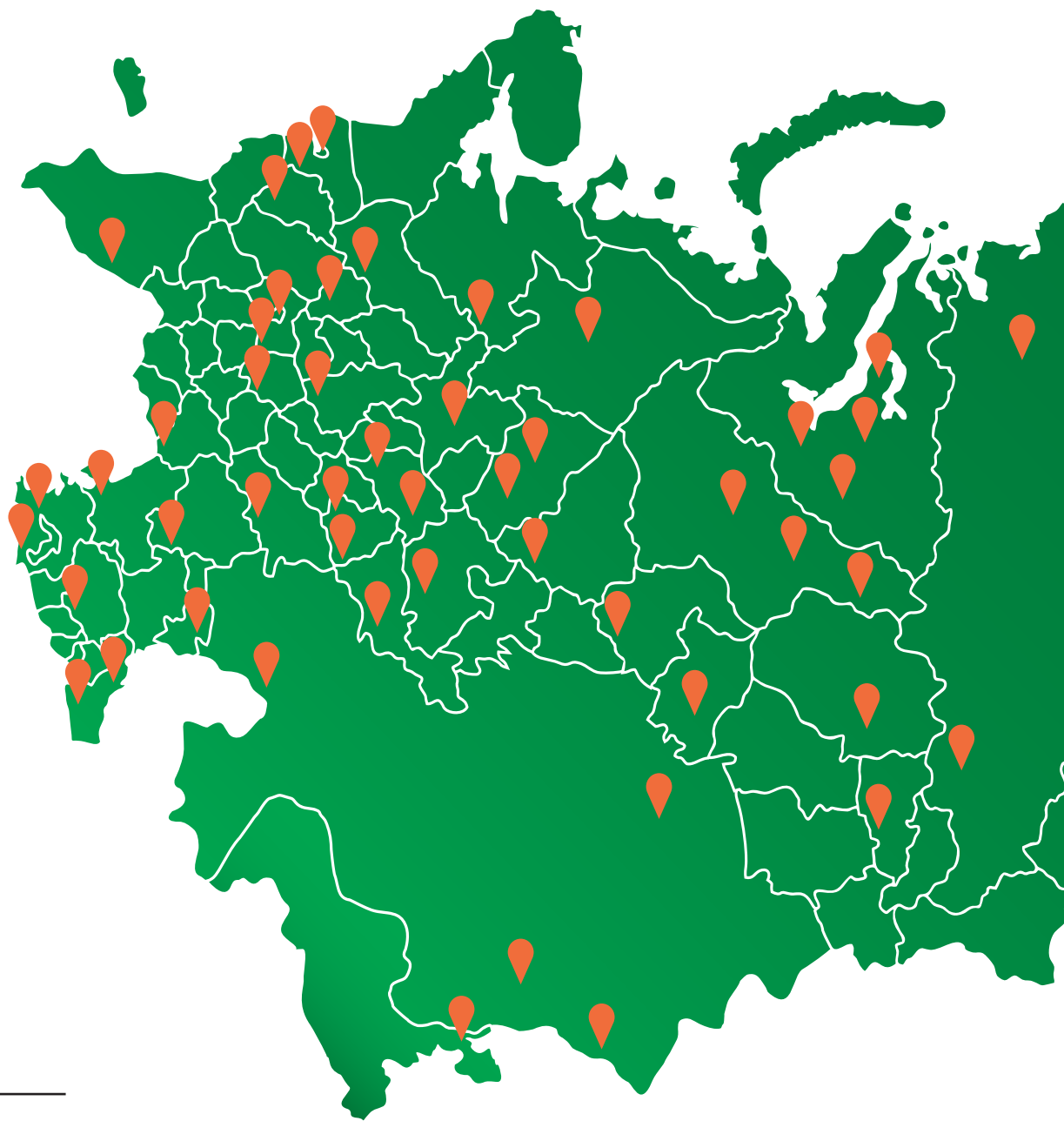
CONTROL BALL VALVES
DN 25 - 900 mm
PN 16 - 250 (ANSI 150 - 1500)



CHECK VALVES
DN 25 - 900 mm
PN 16 - 250 (ANSI 150 - 1500)



SALES TERRITORY



- Saint Petersburg
- Kingisepp
- Veliky Novgorod
- Cherepovets
- Yaroslavl
- Moscow
- Mozyr
- Novomoskovsk
- Ryazan
- Nizhny Novgorod
- Kotlas
- Kirov
- Ukhta
- Rossosh
- Rostov-on-Don

- Krasnodar
- Tuapse
- Volgograd
- Saratov
- Tolyatti
- Nevinnomyssk
- Astrakhan
- Khasavyurt
- Makhachkala
- Atyrau
- Orenburg
- Ufa
- Kazan
- Nizhnekamsk
- Ekaterinburg



- Berezniki
- Tyumen
- Omsk
- Pavlodar
- Samara
- Perm
- Novokuznetsk
- Taraz
- Chirchik
- Almaty
- Tomsk
- Achinsk
- Nefteyugansk
- Yamburg
- Urengoy

- Nadym
- Norilsk
- Noyabrsk
- Surgut
- Nizhnevartovsk
- Bratsk
- Irkutsk
- Angarsk
- Khabarovsk
- Yuzhno-Sakhalinsk
- Komsomolsk-on-Amur
- Kamchatka Territory

FIELDS OF APPLICATION



OIL AND GAS PRODUCTION

**GAZPROM
NOVATEK**

- Production
- Transportation
- Storage
- Gas processing



OIL REFINING AND GAS PROCESSING

**GAZPROMNEFT
ROSNEFT
MOZYR OIL REFINERY
TATNEFT**

- Production
- Oil refining



PETROCHEMICAL INDUSTRY

SIBUR

- Oil refining



CHEMICAL INDUSTRY

**AKRON GROUP
EUROCHEM**

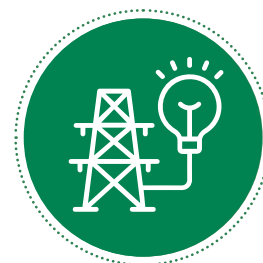
- Fertilizer manufacturing



OIL PLATFORMS

LUKOIL

- Oil production



ENERGY INDUSTRY

**KRASNY
KOTELSHCHIK**

- Boiler equipment production for power generation plants



SIGNIFICANT PROJECTS



POWER OF SIBERIA PIPELINE CONSTRUCTION

Supply amount - RUB 500 million



FILANOVSKY OIL FIELD DEVELOPMENT

Supply amount - RUB 823 million



GAZPROMNEFT-YAMAL, LLC WELLS AND GAS COMPRESSION FACILITIES DEVELOPMENT

Supply amount - RUB 800 million



GREMYACHINSKY MINING AND PROCESSING PLANT CONSTRUCTION

Supply amount - RUB 400 million



OMSK REFINERY CONSTRUCTION AND RENOVATION

Supply amount - RUB 4 billion

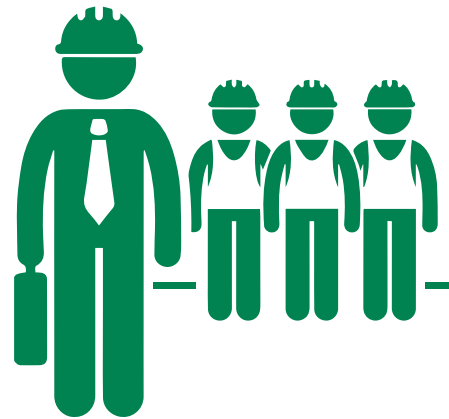


PJSC ACRON NEW ADVANCED AMMONIA-4 UNIT CONSTRUCTION

Supply amount - RUB 309 million

COMPANY'S DEVELOPMENT

One of NBM Group priority development areas is constant improvement of professional skills of employees.



NBM GROUP EMPLOYS MORE THAN 400 QUALIFIED PROFESSIONALS



86
production workers



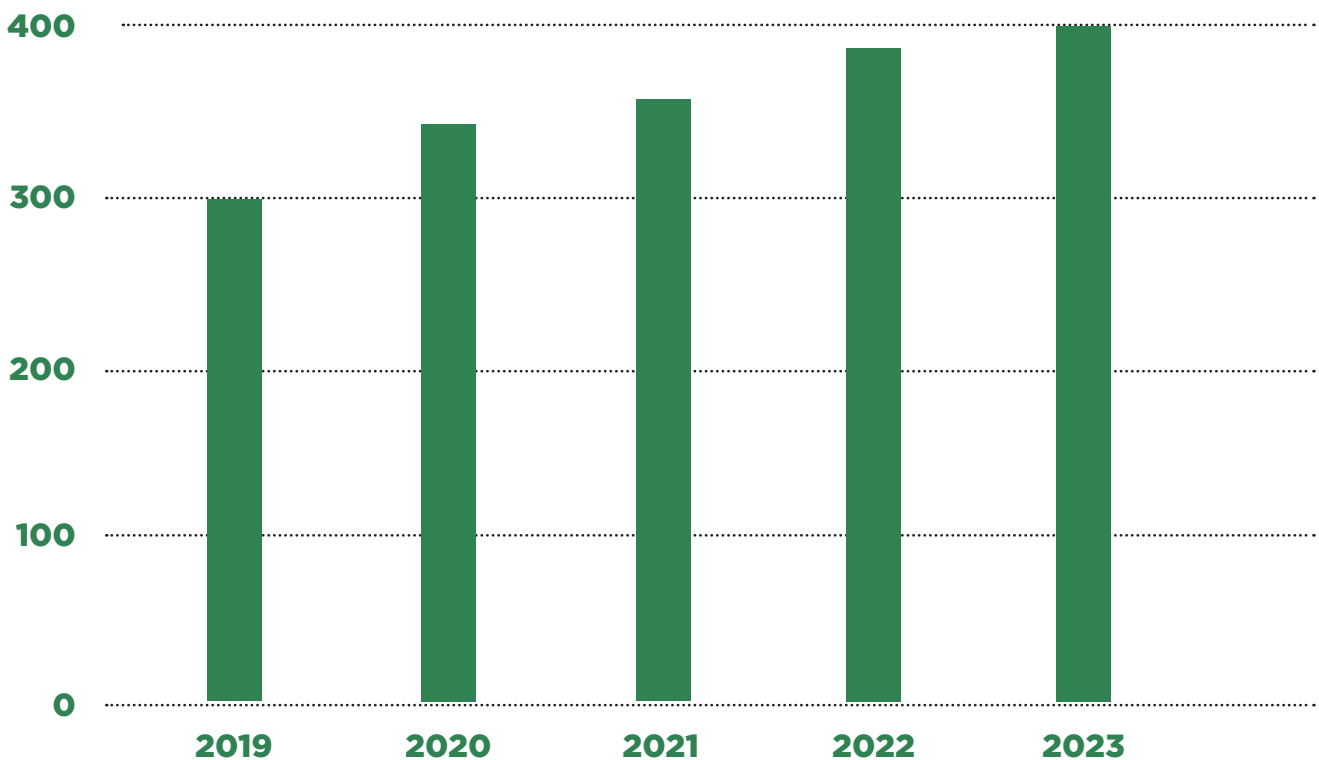
68
engineers



40
sales managers



10
specialists of the service center





SCHEDULED DEVELOPMENT OF NBM GROUP PRODUCTS

- special control valves for extreme operating conditions;
- anti-surge control valves;
- high-cycle shut-off valves for pressure swing absorption;
- high-pressure shut-off, control and check valves for the production of carbamide;
- control valves with a trim made of ceramic materials for abrasive media;
- oversized shut-off, isolation (quick-operating) and control ball valves;
- high temperature ball valves;
- shut-off and butterfly control valves of large dimensions and for high pressure;
- segment valves with eccentric disc;
- V-port segment valves;
- line-blinds;
- pneumatic actuators and actuators control devices.

STAGES OF INVESTMENT PROJECT IMPLEMENTATION

«DESIGN AND PRODUCTION OF A LINE OF MODERN HIGH-TECH CONTROL VALVES AS THE MAIN STRATEGIC DIRECTION OF THE COMPANY'S DEVELOPMENT»

2017

- Making decision to design of a line of control accessories. Team selection. Start of the project
- Start of designing for a standard line of single-seated valves DN25-150 PN16-100

2018

- Designing of a standard line of single-seated valves DN25-150 PN16-100. Start of production and supply
- Launching production of spring and diaphragm actuators with a stem stroke of up to 100 mm. Start of production and supply

2019

- Expansion of the single-seated valves line up to PN420
- Designing of special multi-stage trims for high pressure drops
- Organization of the warehouse stock of single-seated valves DN25-150 PN40-100
- Designing a standard line of cage valves DN50-300 PN16-100. Start of production and supply

2020

- Expansion of the line of cage valves up to DN500 PN16-100
- Organization of the warehouse stock of cage valves DN50-250 PN40-100
- Completion of internal tests and decision-making on the designing of a line of control ball valves for the gas industry based on the line of shut-off ball valves of in-house production
- Start of development of our own software for the calculation and selection of control valves

2021

- Start of production and supply of control ball valves, extension of the product range
- Expansion of the cage valves line up to PN250
- Making decision to design special high-pressure valves for carbamide units
- Making decision to design segment valves DN25-300 PN16-100
- Design of a line of triple offset butterfly valves DN80-500 PN40

2022

- Start of engineering service work in the own program for valve calculation and selection
- Signing an agreement with the Korean manufacturer «Tissin» on the localization of the production of positioners under the model and on the site of the NBM Group
- Designing of segment valves DN 25-300 PN16-100. Start of production and supply
- Receiving first orders and start of production of special multistage control valves for severe service applications
- Organization of the warehouse stock of triple offset butterfly valves DN 100-300 PN40

2023

- Expansion of production facilities. Commissioning of a new site and technologies
- Extension of the triple offset butterfly valve range up to DN700
- Increasing the valve calculation and selection program capacity
- Developing of the line of special multi stage control valves for severe service applications
- Making decision to design limit switches and solenoid valves



CONTENTS

02	About group
03	Goals
04	Structure
06	Energomash. Production Facilities
08	T-ARM. Production Facilities
10	In-house production
12	Sales territory
14	Fields of application
15	Significant projects
16	Company's development





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