



ENERPRED

INDUSTRIAL HYDRAULIC EQUIPMENT



Irkutsk, 2023





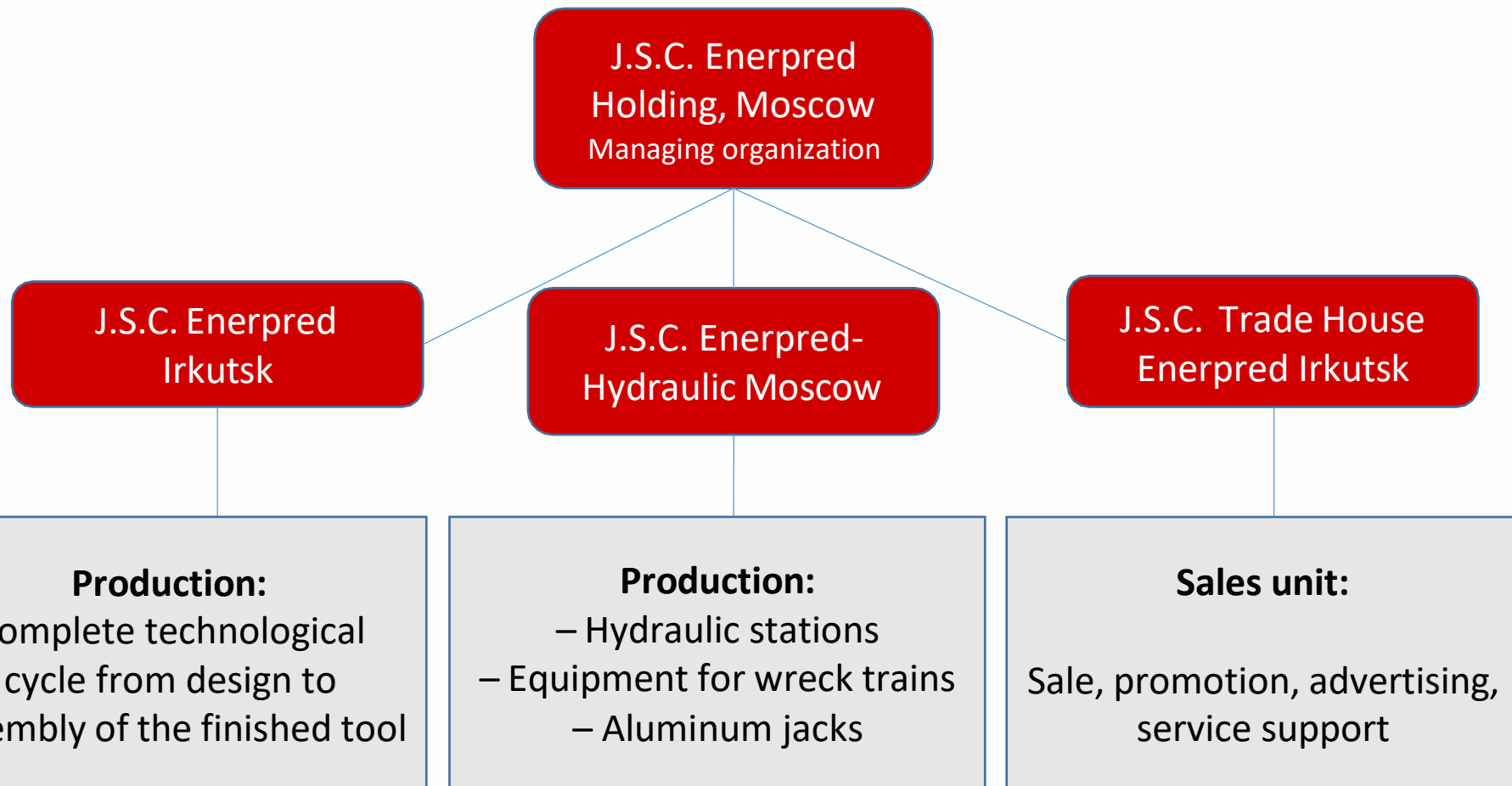
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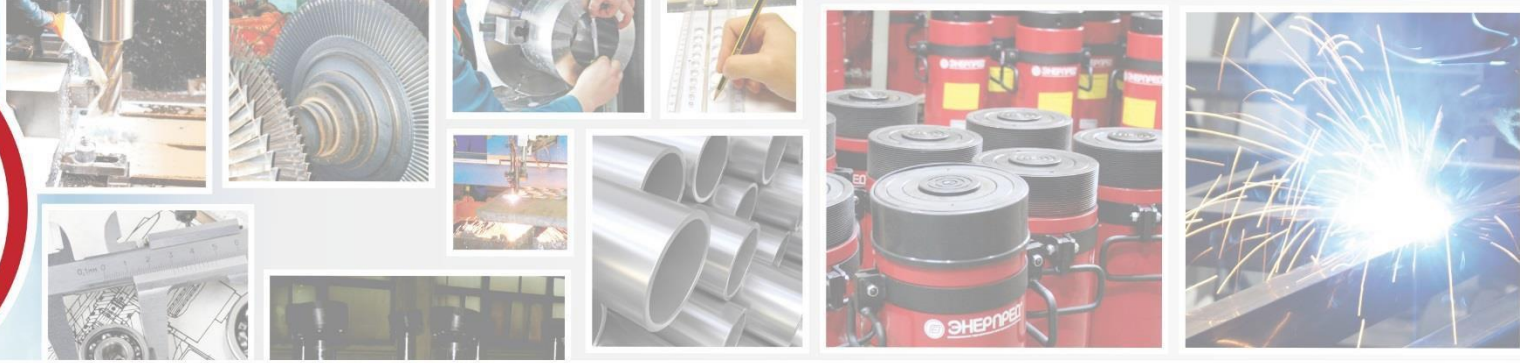
- Enerpred enterprise was established in 1991.
- For 31 years of active development, Enerpred has grown into a large, modern and sustainable enterprise with an advanced business process management system, powerful production facilities and huge potential.
- The core operations of Enerpred are the production and sale of hydraulic equipment and technical solutions.
- Enerpred produces a wide range of unique equipment meeting world standards of quality and safety.
- Today Enerpred is the leader in the market of hydraulic equipment and tools in Russia and CIS countries.
- Our offer includes not only equipment as it is, but package solution of our customers' problems.



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Enerpred Group Structure





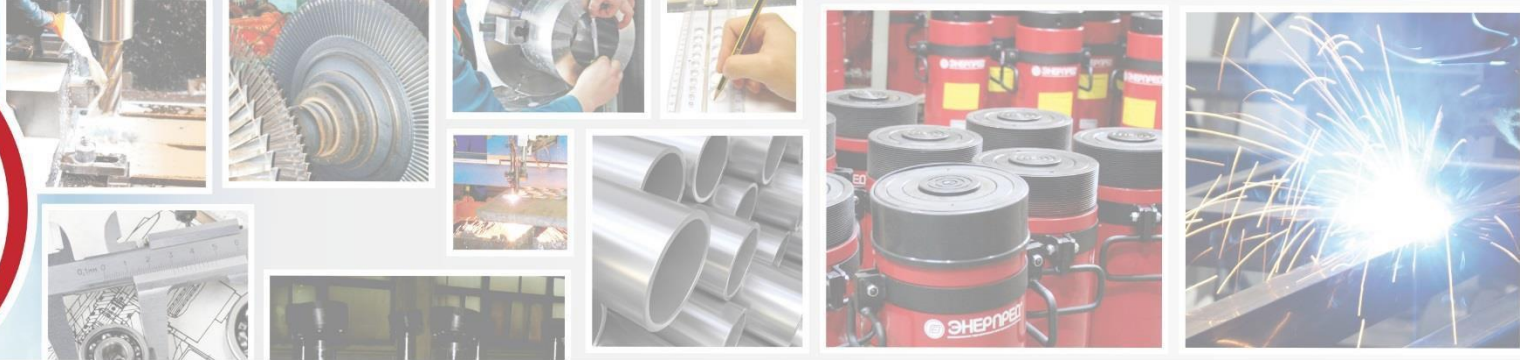
Production

The production capacity of Enerpred company is a classic example of a complete-cycle engineering company.

The production area is 11 000 square meters.

Due to modern equipment and qualified personnel (more than 200 people), our production cycle has been developed as independent manufacture of tools and equipment starting with the stage of manufacturing blanks up to the painting and assembly of finished products.





Production

The company has manufacturing facilities to perform the following processes:

In blank manufacture:

- Cutting of blanks of metal rod and sheet materials on band saws, pressure knives and automated gas flame technology.

In coatings manufacture:

- Painting with powder polymer paints and liquid paints;
- Chemical oxidation.

In non-metallic material units manufacture:

- Production of industrial rubber product by direct pressing technology;
- Manufacture of plastic products by injection molding.

In metal product manufacture:

- Electrode welding, semi-automatic welding of steel metal structures and aluminum alloys in a protective gas environment;
- Manual gas flame surfacing of steel parts with copper alloys;
- Shot blasting of steel parts



Production

In mechanical production:

- Turning and milling. Coordinate-boring and electroerosion works. Grinding and finishing of finished parts.

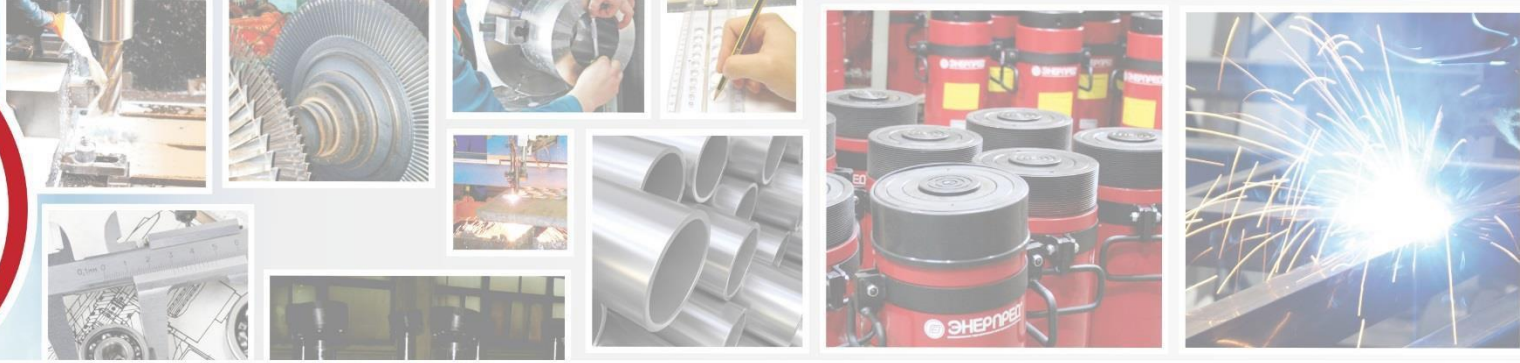
In heat treatment:

- Volume heat treatment with heating in electric furnaces;
- Surface treatment by HFC heating;
- Chemo-thermal reprocessing of steels: oxycarbonitration, carburizing;

In assembly production:

- Assembly, adjustment, testing of hydraulic devices operating at pressures (up to 35 MPa), as well as hydraulic equipment operating at high and ultrahigh pressures (from 50 to 300 MPa).

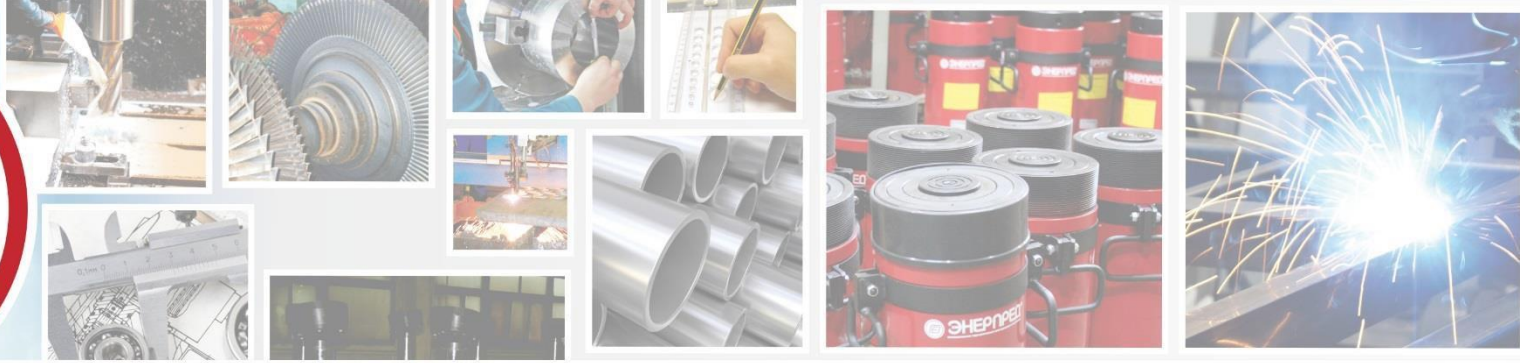




High Pressure Hoses Manufacture

- Designing and manufacturing of oil lines and high-pressure hoses for all types of domestic and imported machinery;
- Products are manufactured using unique patented technologies;
- Extensive developed production base makes it possible to produce HPH of various parameters quickly and efficiently;
- Manufacture of non-standard fittings according to the technical requirements of the customer is possible.
- 18 month warranty and technical specifications are provided with every finished product.



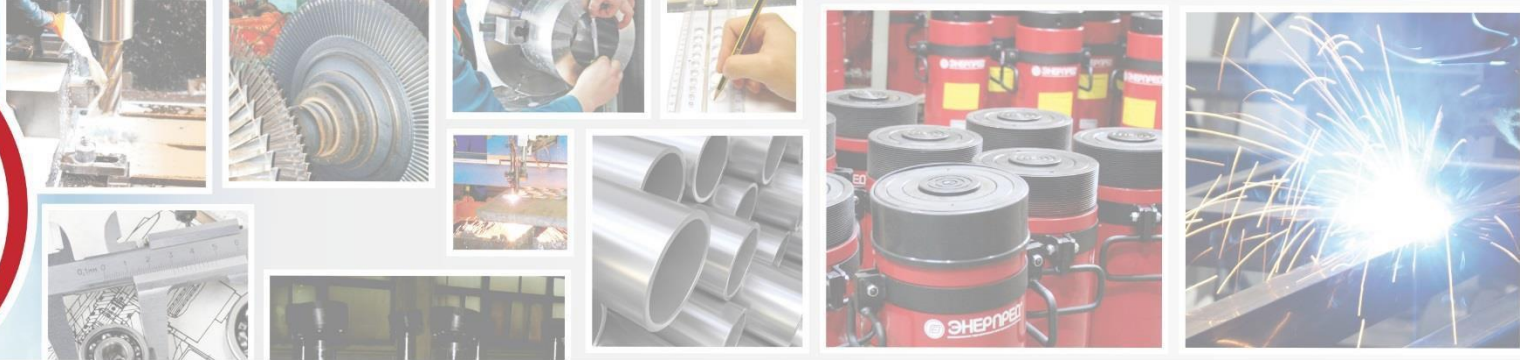


Manufacturing Improvements:

Significant investments in the purchase of modern metalworking equipment have been applied.

High-precision production computer controlled machines took the leading position in the machine tool park of our production. The introduction of modern and unique technologies made possible to expand the technical capabilities of the enterprise and master the manufacturing of a wider range of products.





Quality control is performed at every stage:

1. Quality control of incoming raw materials and components:

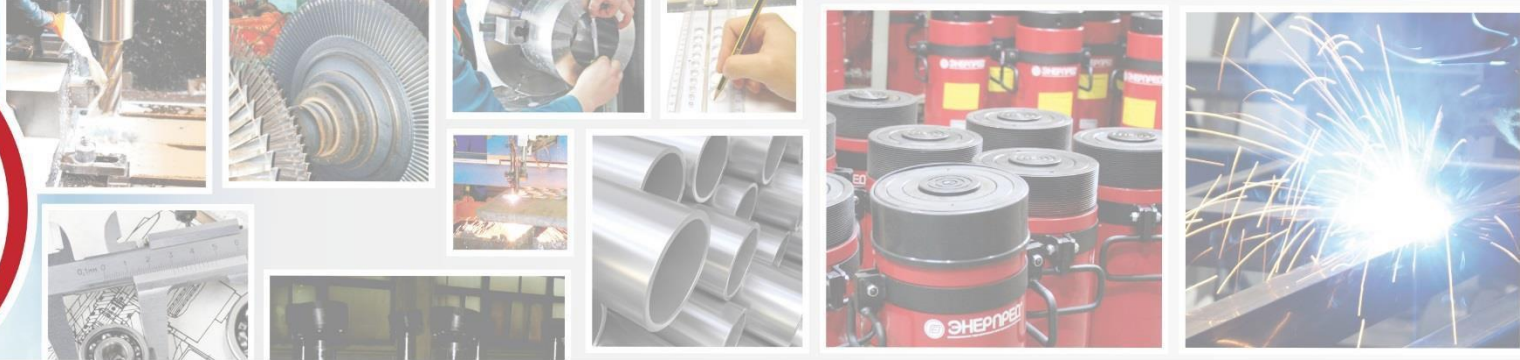
- Control of the chemical composition of raw materials;
- Control of the strength characteristics of raw materials and components;
- Quality control of components.

2. Operational control:

- Post-operational quality control of manufactured parts, components and major components at all stages of production.

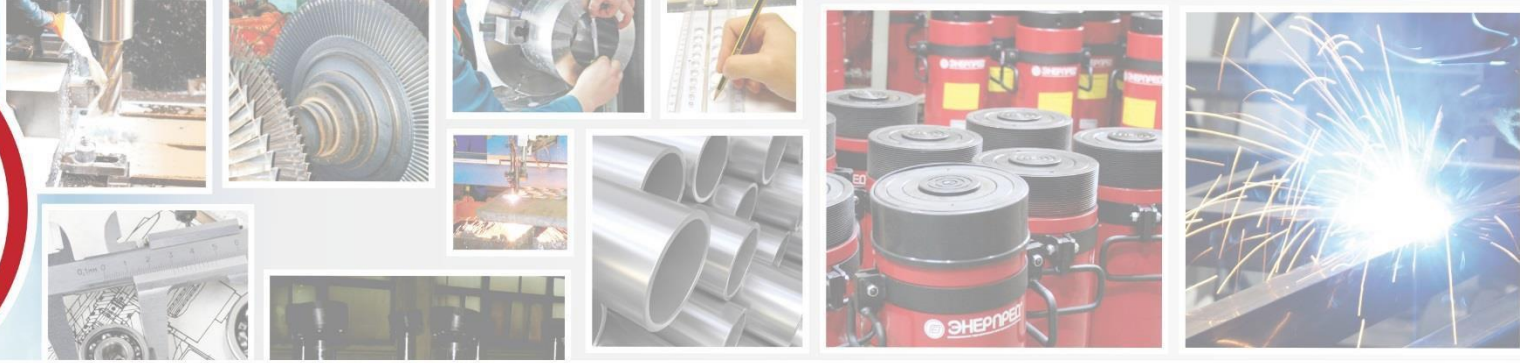
3. Commissioning tests:

- Tests are performed upon the completion of assembly of the products to draw up a log sheet according to the results. Data of the log sheet is entered in the technical specifications; the product is assigned a unique serial number.



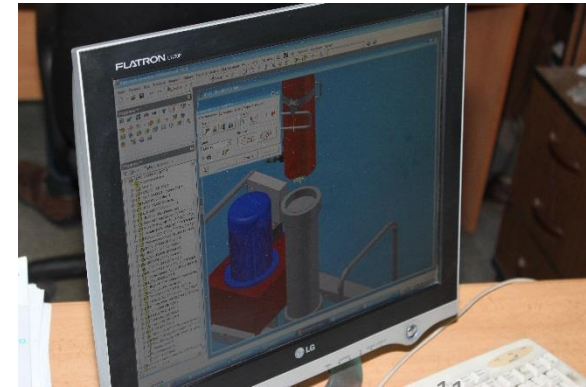
Powerful Engineering Resource:

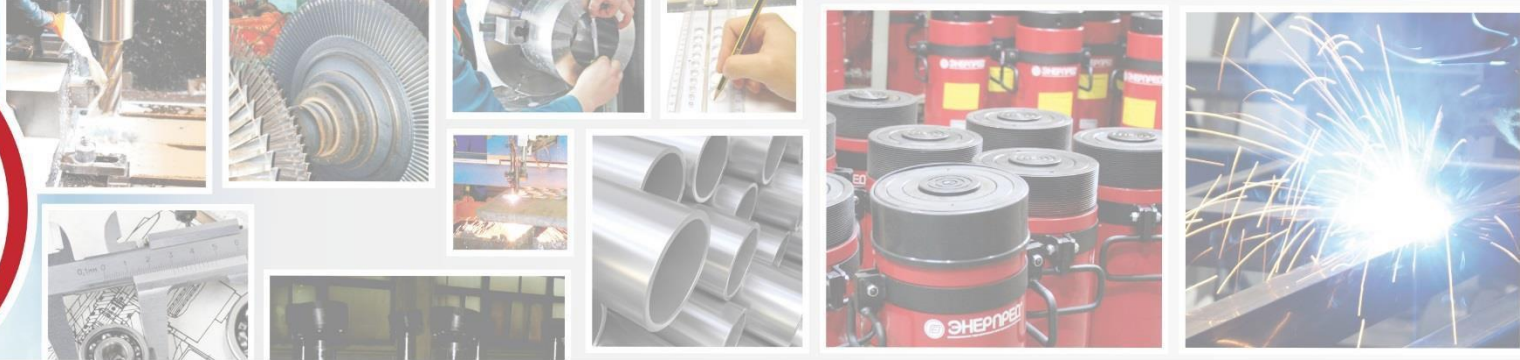
- Our enterprise meets the most high-level requirements of the market due to extensive capabilities of the designing facilities.
- The level of competence of the personnel, the accumulated knowledge and experience enable the engineering and design service of the enterprise to solve complex technical problems related to the design of hydraulic equipment components, as well as to carry out research and design activities in the field of equipment for gas-oil production, construction, chemical and machine-building industries.
- The specialists of the design engineering department have obtained wide experience in the design of lifting machines and mechanisms, and the equipment to rescue and repair the railway transport. The developments and inventions of our engineers have been awarded with a number of patents and certificates, and they are unique. For each product, a package of documents is drawn up in accordance with the requirements of the Unified System of Design Documentation and a quality certificate is issued.



Powerful Engineering Resource:

All the product design stages are automated and are to be developed in 3D models using modern design systems, followed by further translation of the specification into the 1C 8 software package: "UPP" for technological processing and preparation of production.

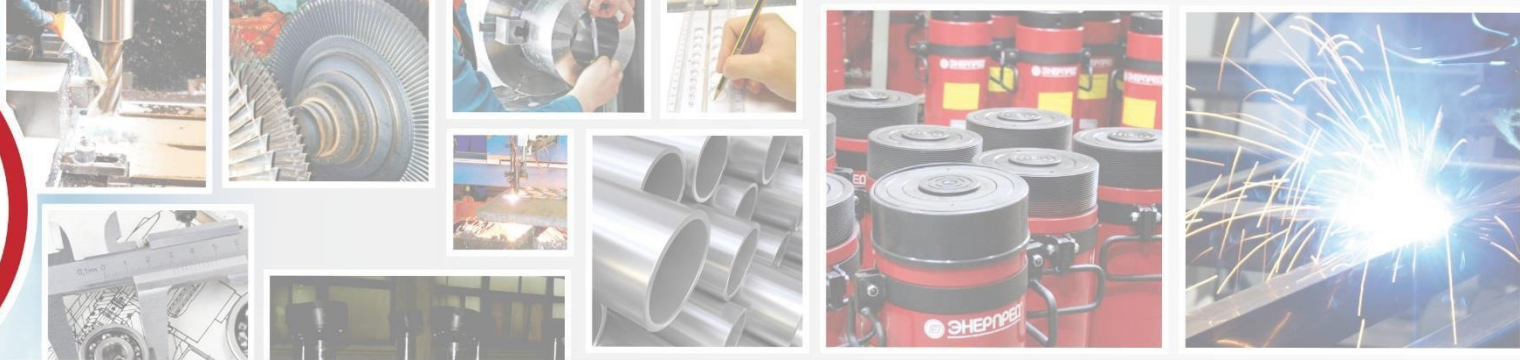




We cooperate with leading universities and research institutes of Russia:

- Irkutsk State University of Means of Transportation;
- Irkutsk State Technical University;
- East-Siberian branch of NIIZhT;
- Moscow N.E. Bauman State Technical University;
- Moscow Mining University;
- Orel State Technical University;
- All-Russian Scientific Research Institute of Fire-Fighting Defense of the Ministry of Emergency Situations of Russia;
- Academy of the State Fire Service of the Ministry of Emergency Situations of Russia.





Diplomas and Awards

Enerpred company is:

- a holder of a large number of diplomas and contest awards;
- repeat winner and laureate of the contest "100 Best Goods of Russia";
- owner of 135 patents for invention;
- All the instruments are certified in accordance with the requirements of the Technical Regulations of the Customs Union.





Full Package of Services

Pre-sale preparation:

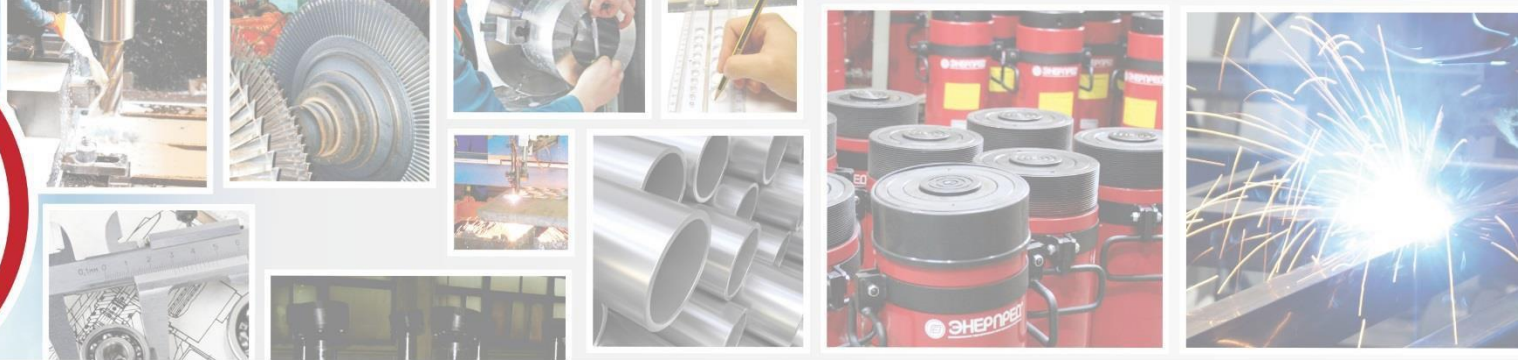
- Complete equipment procurement includes specifications and operating manual;
- Training of the Customer's personnel;
- Commissioning works.

Warranty service:

- Warranty period: up to 24 months;
- Operational technical support;
- On-site engineering support;
- Extensive network of service centers (in 8 regions).

Post-warranty service:

- Post-warranty repair and consulting.
- On the expiry of 12 months, the warranty period can be extended up to 3-4 years, subject to maintenance at Enerpred service centers;



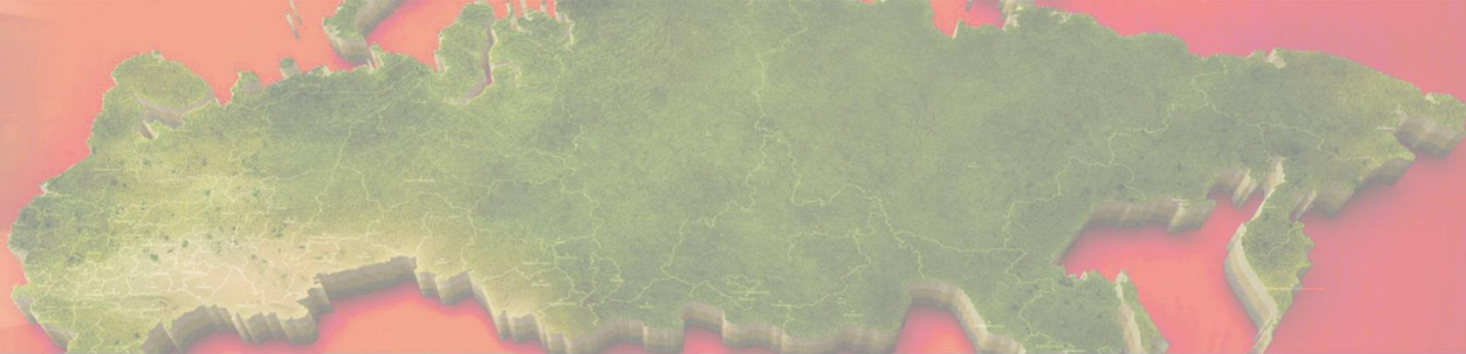
In 2004, the operating in Enerpred quality management system was certified in accordance with the requirements of ISO 9001-2000.

All production processes are regularly audited for compliance with ISO 9001: 2015 management system. Recertification takes place every three years.

Certification is performed by BUREAU VERITAS Certification (Great Britain).

Foundation year is 1829.







Wide dealer network

Company "Enerpred" actively develops a dealer network.

Official representations operate in many cities of Russia and CIS countries: Moscow, St. Petersburg, Voronezh, Ekaterinburg, Chelyabinsk, Rostov-na-Donu, Krasnoyarsk, Vladivostok, Ufa (Bashkortostan), Karaganda (Kazakhstan), Novopolotsk (Belarus), Bishkek (Kyrgyz Republic), Ulaanbaatar (Mongolia), Shanghai (China).





Our Advantages

- Considering customer needs in product development;
- Minimum turn-around time and product delivery terms;
- Optimal price-quality ratio;
- Flexible discount system;
- Preparation of equipment for on-site operation;
- Pre-sale preparation (Complete equipment procurement includes specifications and operating manual; training of the customer's personnel, commissioning);
- Extensive network of service centers (in 8 regions);
- Operational procedures training;
- Warranty and post-warranty service;
- All products are certified.
- High quality is confirmed by a large number of diplomas and awards.

For more than 30 years of operation at the market, ENERPRED Holding has accumulated vast experience in creating serial and new products, has developed and implemented in the metal products innovative solutions for various industries.

During this period, cooperation with industry institutes, design bureaus, foreign manufacturers of equipment and components, whose experience and knowledge can be used in the development and production of innovative and import-substituting products for mining and other industries has been established.

Thank you for attention!