

RUSSIAN MANUFACTURER
OF PROCESS CONTROL INSTRUMENTS



ELEMER has been operating on the market of industrial automation since 1992.

Over the past 27 years ELEMER has built a reputation as a renowned partner and competent specialist for any task in the field of instrumentation and control equipment.

The company is distinguished by flexibility, courage of decisions and actions, openness to everything new. Year by year the market makes higher demands on the participants. We take some pains to meet the requirements of the market and we are ready to offer our customers:

- a comprehensive product range;
- advanced solutions at an affordable price.

We guarantee high quality and reliability of our products. This allows us to look to the future with confidence and offer our customers favorable terms of cooperation.

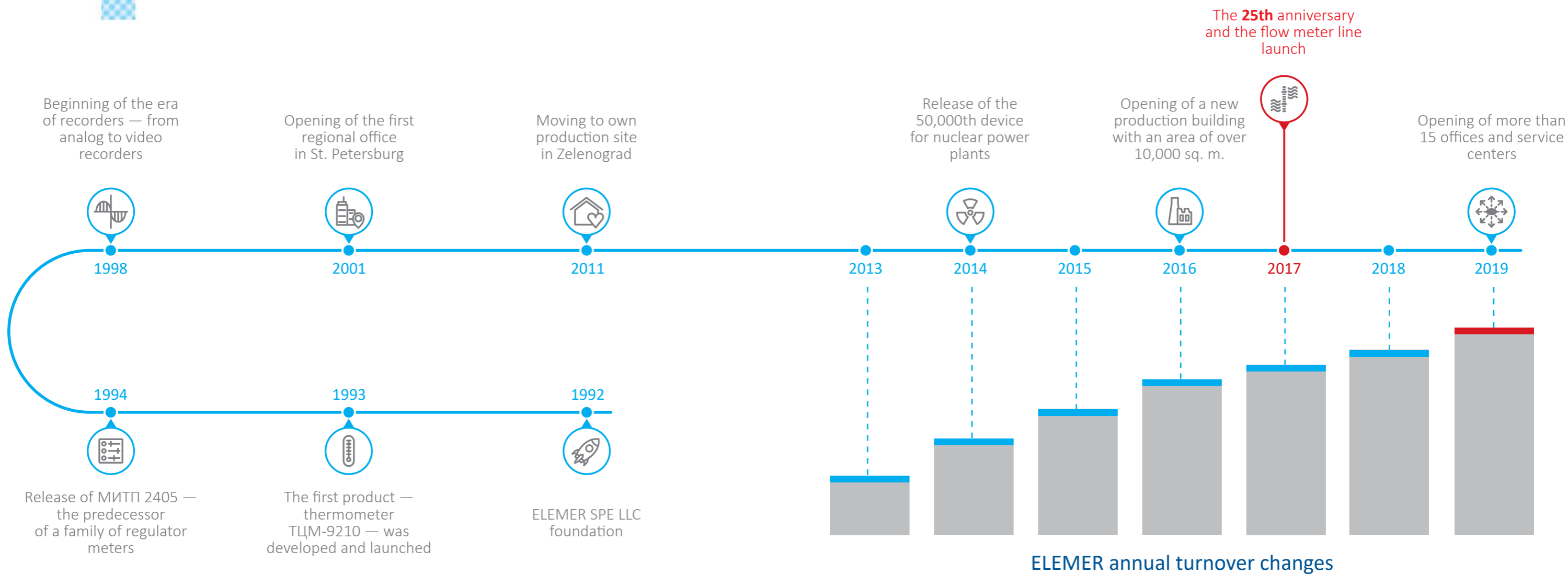
Today ELEMER Group includes more than 30 subsidiaries across the country and all over the world.

We are ready to help you not only in the Russian Federation, but also in the Czech Republic, Bulgaria, Belarus, Ukraine, Kazakhstan.

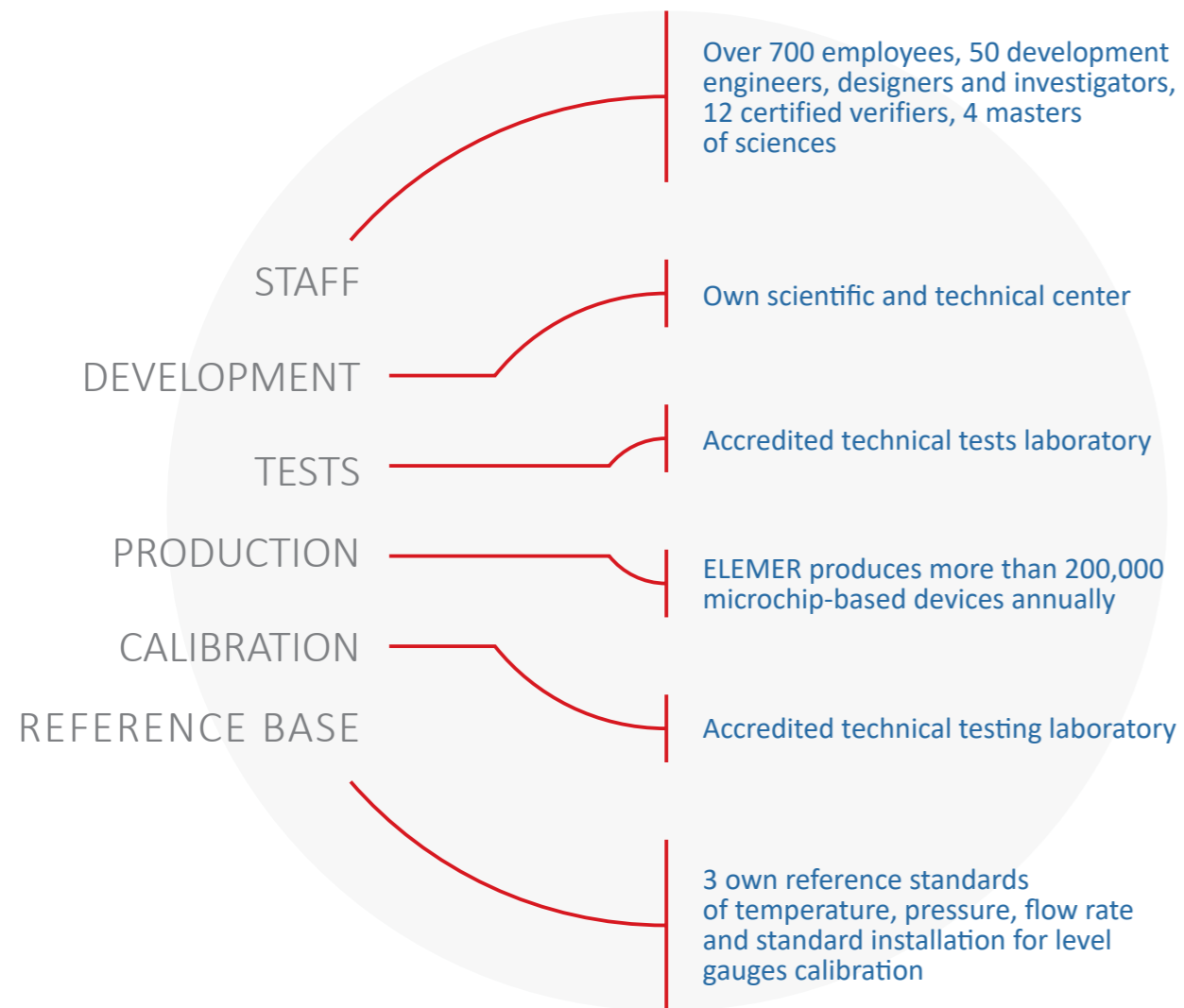
WELCOME TO ELEMER

- 
- PRODUCTION FACILITIES
 - SCIENTIFIC AND TECHNICAL CENTER
 - REGIONAL REPRESENTATIVE OFFICES NETWORK
 - EXPORT DEPARTMENT
 - TECHNICAL TESTS LABORATORY
 - SERVICE CENTER

History



Company Resources



Production Equipment Modernization

ELEMER constantly carries out the production equipment modernization with introduction of state-of-the-art technologies in order to increase capacity and automation of all production processes.



High-tech machining centers

Processing of stainless, heat-resistant and carbon steels, non-ferrous and light-alloy metals, plastics, etc.



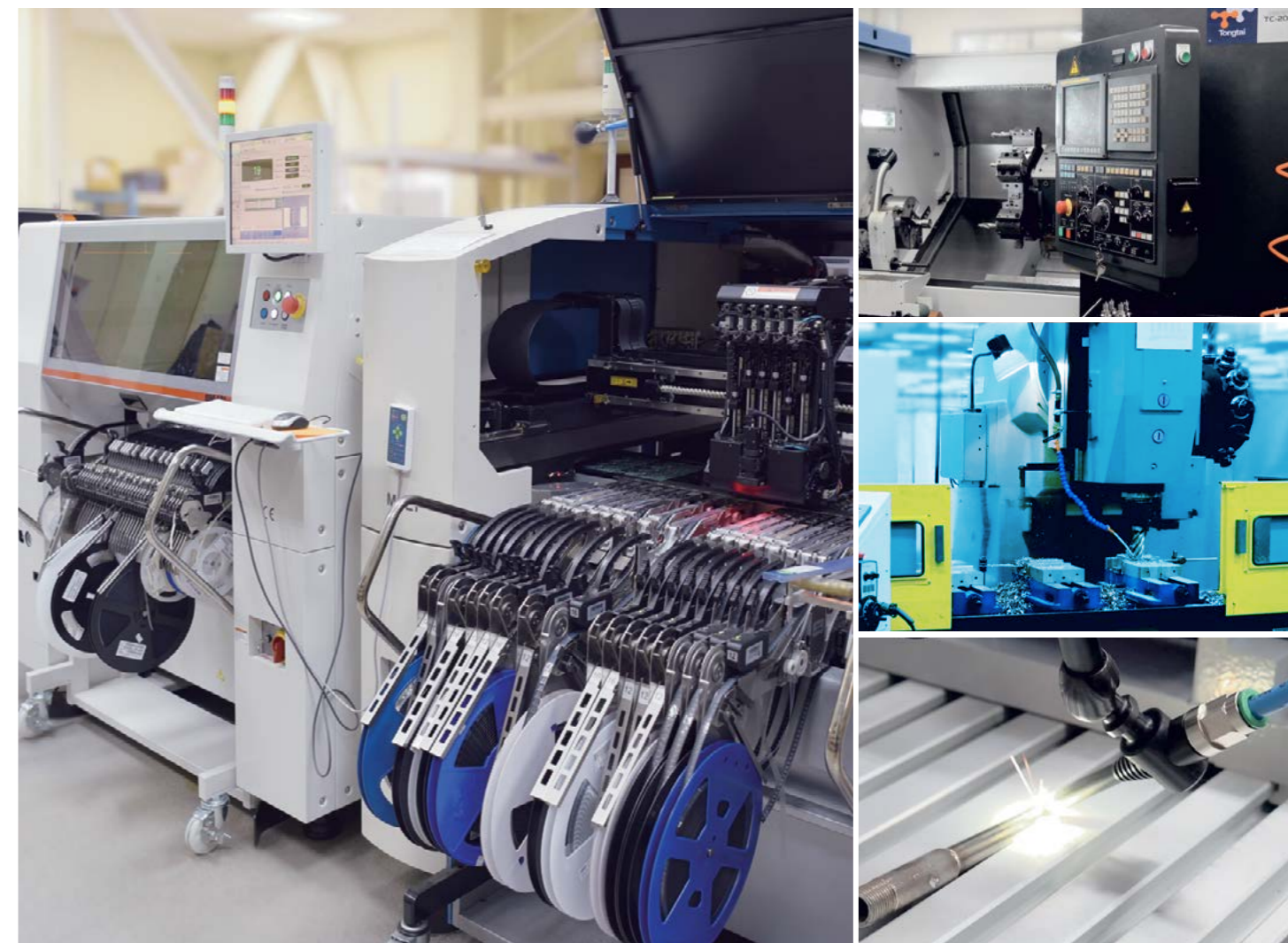
Automated installation

ELEMER uses automated lines of the radio assembly shop, which allow producing more than 10,000 units of devices every month.



Automatic welding

LED welding (a quasi-continuous laser with a power of 3.5 kW), micro-pulse and argon-arc micro-welding.



Technical Tests Laboratory

Laboratory is accredited by the Federal Agency of Technical Regulation and Metrology and tests products for compliance with the following requirements:



EXPLOSION PROTECTION



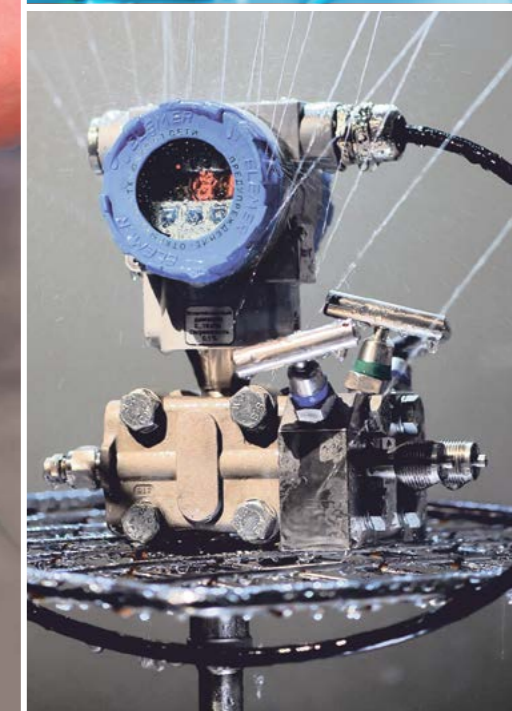
SAFETY



ELECTROMAGNETIC COMPATIBILITY (EMC)



CLIMATIC AND MECHANICAL EFFECTS



Reference Base

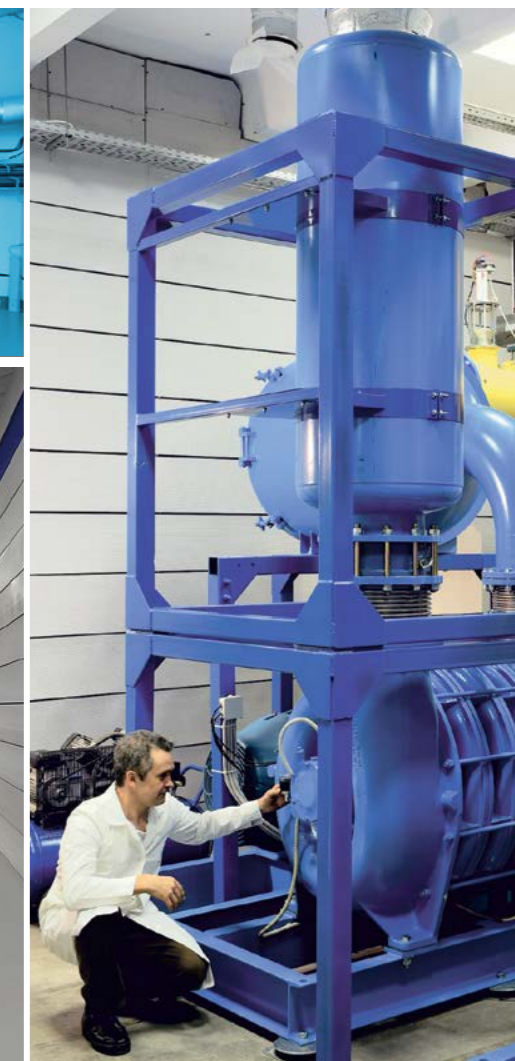
- ELEMER has developed a secondary reference temperature standard in the range from 0 to 660.323 °C and a secondary reference standard of gauge pressure in the range from 0.003 to 100 MPa.
- The staff includes 12 certified verification officers who have received training at the Academy of Standardization, Metrology and Certification. The company possesses its own metrological service, which in 2013 successfully passed the inspection control in order to expand the scope of accreditation for the right of SI system verification.
- In 2017, the inspection control for the right to check reference points of ITS-90 temperature scale was successfully passed.



New Projects

FLOWMETERING

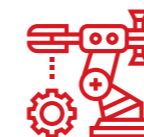
- ELEMER implements a long-term project for formation of new product lines — consumption and level measurement tools. The total investment exceeds 10 million Euros.
- For the implementation of this project, ELEMER SPE LLC acquired a new industrial building with an area of over 10,000 sq. m., formed the reference base in the form of reference standards of the unit of liquid and gas consumption and the reference installation for level gauges adjustment (calibration).
- More than 10 new types of flow and level measuring devices based on different measurement principles are at the stage of completion.



Advantages

ELEMER is the guarantor of professionalism and reliability

- The quality management system reliably functions at the company and ensures high reliability and long service life of the devices. The quality management system is certified by TUV NORD, complies the requirements of ISO 9001-2015 standard.
- Since 2009, the company has been accredited for the right to carry out calibration and verification works. ELEMER has its own accredited technical testing laboratory to test manufactured products for meeting the requirements of state and departmental regulatory documents and customers and to control the quality.



Modern production equipment



A member of FieldCommGroup and DTM-GROUP.



Highly skilled employees



Accreditation for the right to carry out calibration and verification works



Own scientific and technical center



Compliance with the requirements of ISO 9001-2015



Own production facilities, placed on 17000 sq. m.



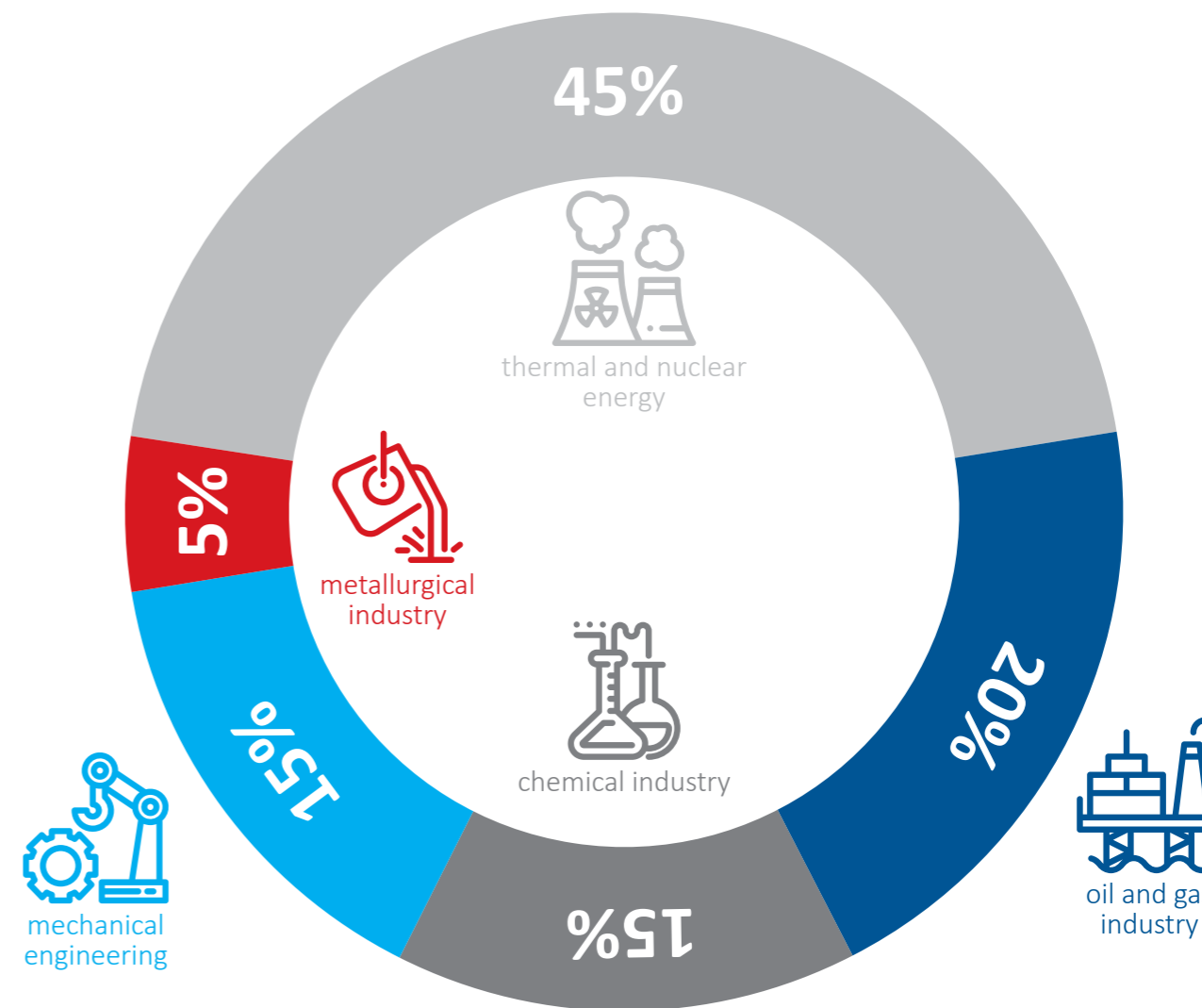
Implementation of innovations

Certificates



Supply Areas

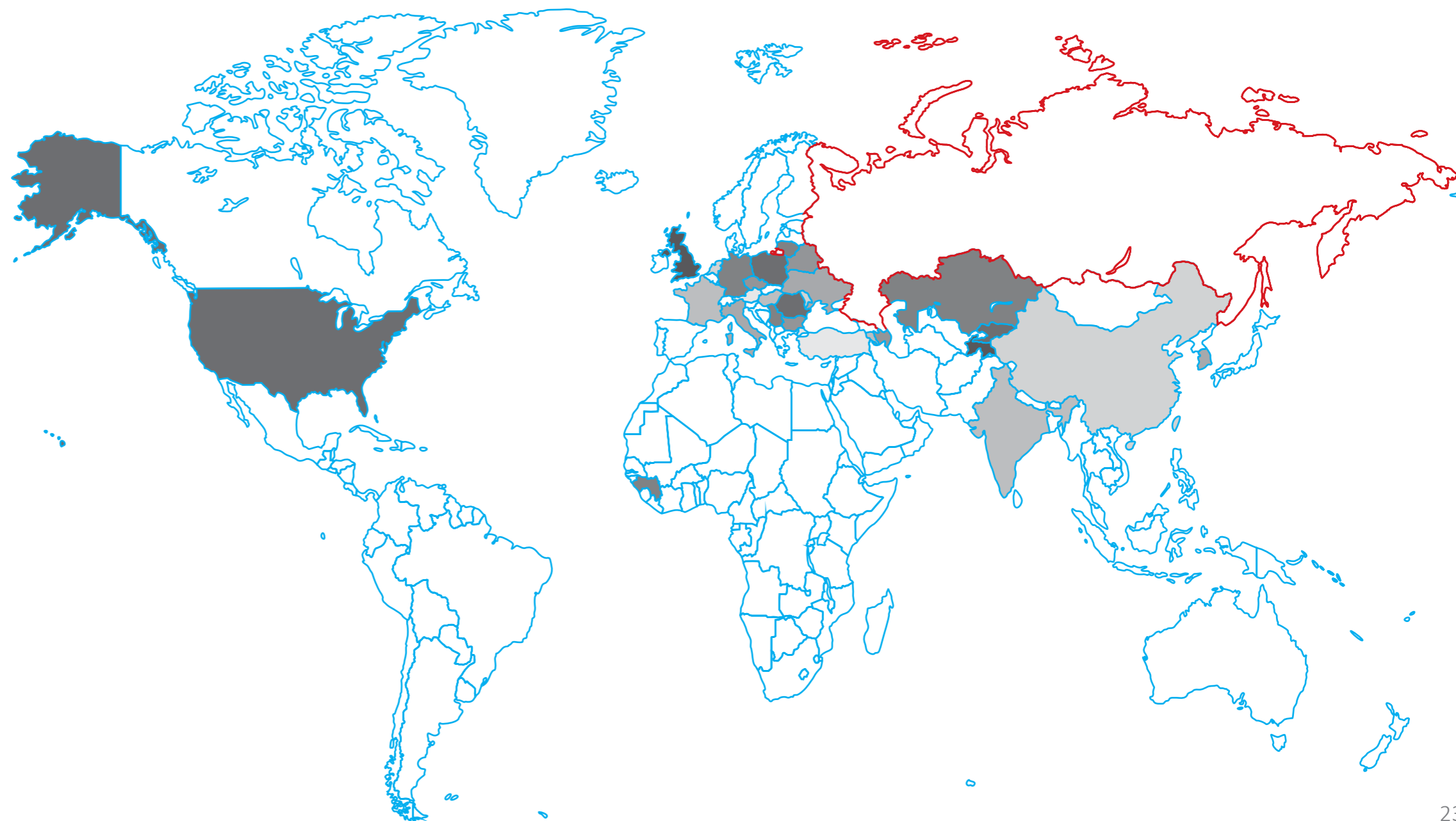
In course of steady development for more than a quarter of century ELEMER successfully develops and manufactures reliable systems and automation equipment for enterprises in the field of thermal and nuclear energy, chemical industry, mechanical engineering, metallurgy, enterprises for oil and gas extraction, processing and transportation.



Global Economic Integration

- | import | export | |
|--------|--------|---------------|
| ● | ● | Germany |
| ● | ● | France |
| ● | ● | Italy |
| ● | ● | Hungary |
| ● | ● | Poland |
| ● | ● | Austria |
| ● | ● | Czech |
| ● | ● | Netherlands |
| ● | ● | Great Britain |
| ● | ● | Serbia |
| ● | ● | Finland |
| ● | ● | Lithuania |
| ● | ● | Romania |
| ● | ● | Bulgaria |
| ● | ● | Moldova |
| ● | ● | Belarus |
| ● | ● | Ukraine |

- | import | export | |
|--------|--------|-----------------------|
| ● | ● | Turkey |
| ● | ● | Armenia |
| ● | ● | Azerbaijan |
| ● | ● | Uzbekistan |
| ● | ● | Kazakhstan |
| ● | ● | Tajikistan |
| ● | ● | China |
| ● | ● | India |
| ● | ● | The Republic of Korea |
| ● | ● | USA |
| ● | ● | Qatar |
| ● | ● | Guinea |



Product Line

ELEMER is one of the leading companies producing measurement technology equipments and high precision instruments in Russia and beyond. All products are certified.



Pressure Transmitters



Electronic Manometers



Temperature Measuring Equipment



Multichannel Data Loggers



Functional Equipment



Metrological Equipment



Flow Meters



Level Meters



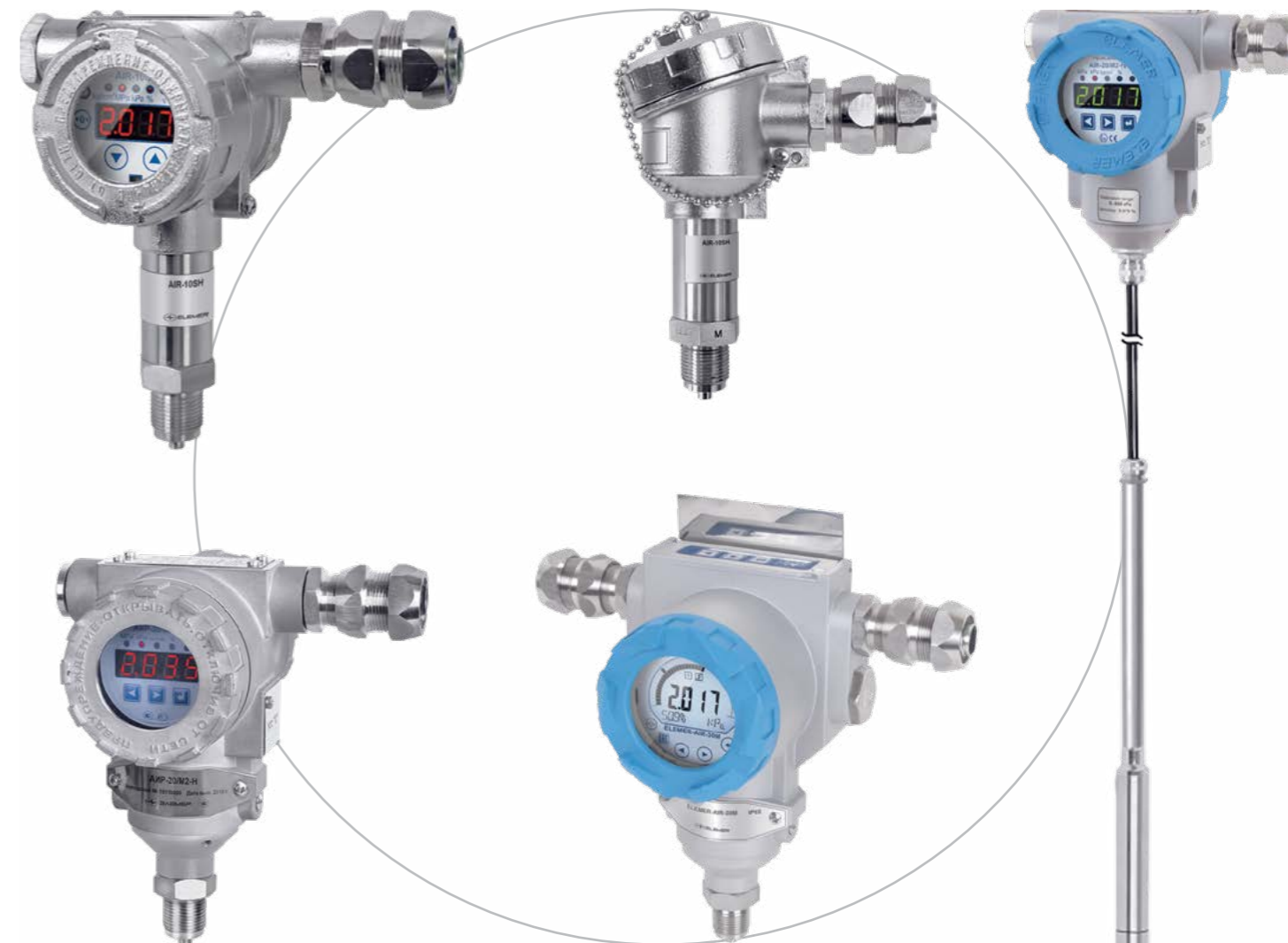
Products



PRESSURE TRANSMITTERS

ELEMER produces transmitters of absolute, gauge, and differential pressure, devices for measuring drops and differences in parameters. All devices are manufactured using modern equipment and undergo strict quality control procedure.

- Absolute Pressure Transmitters
- Gauge Pressure Transmitters
- Differential Pressure Transmitters
- Hydrostatic Pressure Transmitters
- Bi-directional Pressure Transmitters



Products



ELECTRONIC MANOMETERS

ELEMER offers a wide range of electronic manometers for application in energy and metal, as well as oil and gas and petrochemical industries. All manufactured equipment is of the highest quality and has a warranty service life of 5 years.

Electrocontact manometers are instruments designed to measure gauge or vacuum pressure in non-crystallizing liquids, for measuring parameters of gas and vapor that are non-corrosive to metal parts that have contact with the measured medium.



Products



TEMPERATURE MEASURING EQUIPMENT

ELEMER is a leading manufacturer of thermal converters. The company produces more than 100 modifications of temperature transmitters. The company's temperature sensors of various types cover a wide temperature range, full size spectrum and have small dimensions.

- Resistance temperature detector made of platinum and copper
- Indicating contact thermometers
- Compact digital thermometers



Products



TEMPERATURE MEASURING EQUIPMENT

All manufactured models of thermal converters and temperature sensors are certified.

- Resistance thermal converters
- Thermal converters with unified output signal
- Thermoelectric converters
- Temperature and humidity converters



Products



ELECTROMAGNETIC FLOW RATE METER

Are used to measure liquid flow.

The wide standard size and types of connections to the pipeline, various materials of overlays and electrodes, a large set of output signals and high accuracy of measurements allow the use of flow rate meters ELEMER-REM in any technological processes to account for the flow of conductive liquids.

Size: DN15...DN400

Range of measurement: 0,033...4528 m³/h

Dynamic range: 1:200; 1:100

Relative accuracy: 0,2%; 0,5%; 1,0%; 2,0%.

Operating liquid:

water;
chemically aggressive liquids;
sullage;
food grade liquids.



Products



LEVEL METERS

Measuring the level of liquids and granular medium.

ELEMER's started producing level meters of different measuring types: radar, ultrasonic, float and potentiometer-type.

Version: general purpose industrial version, Ex, Exd, special.

Range of measurement: 6, 10, 20 m.

Output signals: 4...20 mA, 0...10 B, HART, MODBUS RTU, relay.



Products



LEVEL AND FLOW SWITCHES

The new range of ELEMER level and flow switches makes it possible to control the limit values of the level and flow of different media for example, liquid or granular medium in different industry fields.

- Thermal dispersion switches of level and flow
- Capacitance ultrasonic level switches
- Vibrating level switches



Products



MULTICHANNEL DATA LOGGERS

ELEMER offers a wide range of videographic recorders for application in various technological processes in energy, metal, and chemical industries



Products



FUNCTIONAL EQUIPMENT

ELEMER supplies a wide range of functional equipment used in energy and metal industries, by chemical and petrochemical enterprises, at gas refining, storage and transportation facilities. All equipment undergoes quality control and a set of various tests in our own testing lab.



Products



FUNCTIONAL EQUIPMENT

- Measuring controllers
- PID controllers
- Technological digital meters (ITC)
- Power supply units
- Power supplies and signal converters
- HART Modems
- ELEMER-BREEZE — intrinsic safety barriers
- Signal conditioner
- ELEMER-EL-4000 analog and digital input/output transmitters to/out of Modbus RTU signal
- EMF protection devices
- Interface converters



Products



METROLOGY EQUIPMENT



Metrology equipment occupies an important place among ELEMER products. By purchasing our metrological equipment for verification and calibration, you opt for reliability of operation and accuracy of readings of each device.

- Pressure calibrators
- Digital test gauges
- Portable compact pressure calibrators
- Pressure controllers
- All-in-one calibration systems
- Calibrators-meters of unified signals



Products



METROLOGY EQUIPMENT



One of the prizes awarded to ELEMER metrology equipment is the gold medal of the Precise Measurements — Basis of Quality and Safety forum for the high quality of metrology equipment.

- Standard digital thermometer
- Computerized temperature calibrator with measuring module

- Reference RTDs

ELEMER pure-metal fixed point cells are specially designed for dry-block ELEMER-KT calibrators

- Smaller dimensions of fixed point cells allows to decrease their cost and make it more transportable
- Stainless steel case cells much less fragile than quartz glass and suitable for industrial calibrating
- The realization of fixed point cells are easily automated through our programmable ELEMER-KT temperature calibrators







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