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
1992
Release of МИТП 2405 — the predecessor of a family of regulator meters

1993
The first product — thermometer ТЦМ-9210 — was developed and launched

1994
Release of МИТП 2405 — the predecessor of a family of regulator meters

1998
Beginning of the era of recorders — from analog to video recorders

2001
Opening of the first regional office in St. Petersburg

2011
Moving to own production site in Zelenograd

2013
Release of the 50,000th device for nuclear power plants

2014
Opening of a new production building with an area of over 10,000 sq. m.

2015
Opening of more than 15 offices and service centers

2017
The 25th anniversary and the flow meter line launch

2018
Opening of a new production building with an area of over 10,000 sq. m.

2019
Opening of more than 15 offices and service centers

ELEMER annual turnover changes
Company Resources

STAFF
- Over 700 employees, 50 development engineers, designers and investigators, 12 certified verifiers, 4 masters of sciences

DEVELOPMENT
- Own scientific and technical center

TESTS
- Accredited technical tests laboratory

PRODUCTION
- ELEMER produces more than 200,000 microchip-based devices annually

CALIBRATION
- Accredited technical testing laboratory
- 3 own reference standards of temperature, pressure, flow rate and standard installation for level gauges calibration
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
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.
Certificates

Membership Certificate

Certification of Membership

Certificate of Membership

The Board of Directors hereby acknowledges that

ELEMER Research and Production Company

has accepted and fulfilled the requirements of the Bylaws and all rights and privileges of membership are hereby granted

Membership Period: November 2018 – October 2019

[Image of certificates]
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
ELEMER is one of the leading companies producing measurement technology equipments and high precision instruments in Russia and beyond. All products are certified.
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
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.
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
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.
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
MULTICHANNEL DATA LOGGERS

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