

Expert organization. Testing laboratories. Certification body

ABOUT

«Sercons» – an expert organization that includes a certification body, testing laboratories and engineering departments.

The main services of the company is the examination of industrial safety, certification, labor safety, non-state examination and other areas of permits that are relevant for enterprises of any industry and production.

«Sercons» has certificates of accreditation, certificates and licenses for the examination of industrial safety, labor protection, non-state examination, certification and is in the register of the INTERGAZCERT system. The structure of the company includes laboratories for labor protection, non-destructive testing, chemistry, metrology, fire and electrical measuring laboratories, and others.

**18**

Branches In Russia

**25**

Testing laboratories

**2.500**

Experts and specialists

**150.000**

Accomplished works

MORE THAN 500 SERVICES



SERVICES

Certification

- Certification and declaration of conformity with TR CU
- Fire safety certification
- ISO Management System Certification and Consulting
- Certification and declaration of GOST-R
- International certification
- Seismic certification
- Industrial safety certification
- "SertPromBezopasnost"
- Certification of sports facilities and equipment

Labor safety

- Special assessment of working conditions
- Occupational safety audit
- Labor protection outsourcing
- Investigation of accidents
- Production control
- Professional risk assessment

Metrology

- Type approval of measuring instruments
- Verification
- Calibration
- Changes to the type description
- Metrological examination of technical documentation

Non-state examination of project documentation

- Conducting non-state expertise of project documentation and engineering survey results
- Audit of sections of project documentation
- Examination of estimate (design and estimate) documentation
- Non-state expertise in the form of expert support
- Designing the Civil Defense and Emergencies Section
- Technological and price audit to justify the investment

Licensing and registration of a hazardous production facility

- Registration and licensing of a hazardous production facility
- Justification of the safety of a hazardous production facility
- Registration of technical devices in the territorial authority of Rostekhnadzor

Industrial safety

- Industrial safety expertise
- Technical diagnostics and certification
- Industrial safety declaration
- Unbreakable control
- Voluntary certification in the field of industrial safety
- Industrial safety audit at hazardous production facilities
- Development of special technical conditions

SERVICES

Fire safety

- Special Specification
- Independent fire risk assessment
- Calculation of the time and routes of evacuation
- Fire safety declaration
- Development of the section of the project documentation "Fire safety measures"
- Anti-terrorist security passport

Technical documentation

- Technical conditions, passports
- Manual
- Safety case
- Ignition risk assessments
- Strength calculation
- Installation instructions

Ecology

- Environmental regulation
- Environmental audit and consulting
- Environmental research
- Certification of dangerous waste
- Certification in the system «Rosecocertification»

Energy audit

- Energy inspection of buildings and structures, consumers of fuel and energy resources and water
- Thermal imaging diagnostics of buildings and structures, electrical equipment and electrical installations
- Quality control of electrical energy in power supply systems
- Compressed air systems audit (pneumatic audit)
- Checking the efficiency and certification of ventilation and aspiration systems

The educational center

- Upgrade qualifications
- Professional retraining
- Seminars and forums in the field of certification, quality, industrial safety, labor protection

Electric laboratory

- Acceptance, operational tests of electrical equipment with voltage up to 35 kV
- Measurement of insulation resistance of electrical devices
- Checking lightning protection and grounding systems
- Technical examination of electrical equipment Testing of power cable lines with voltage up to 10 kV

COMPLEX SOLUTIONS AT ALL STAGES OF THE FACTORY LIFE CYCLE

I PLANNING

- Non-government expert determination
- Development of special sections
- Industrial safety projects

II BUILDING

- Special technical conditions
- Certification

III COMMISSIONING

- Hazardous production facility licensing
- Registration Technical devices
- Industrial Audit

IV STAFF EMPLOYMENT AND TRAINING

- Labor safety
- Special assessment of working conditions
- Risk assessment

V EQUIPMENT SUPPLY

- Technical documentation
- Certification
- Metrology

VI SUSTAINABLE DEVELOPMENT

- ISO Certification
- Education
- Voluntary certification

VII EXPLOITATION

- Expertise of industrial safety
- Electric laboratory
- Fire safety

PERIODIC CONFIRMATION OF COMPLIANCE

- Recertification
- Inspection control
- Extension of the service life of technical documentation



SCOPE OF WORK AND MARKET POSITIONS



1ST PLACE

Non-government expert determination

785 conclusions in the register of the Ministry of Construction of the Russian Federation



1ST PLACE

Labor safety:
Special assessment of working conditions

320,000 jobs appraised



1ST PLACE

Certification

3133 documents issued



5TH PLACE

The expert determination of industrial safety

5381 conclusions in the register of Rostekhnadzor

20 OWN LABORATORIES

- Low voltage laboratories
- Explosion protection laboratory
- Products for children and adolescents
- Individual protection means
- Common consumption goods
- Electric laboratory
- Auto components and vehicles
- Fire safety laboratory
- Unbreakable control laboratory
- Metrology
- Pressure equipment
- Laboratories for special assessment of working conditions
- Chemistry



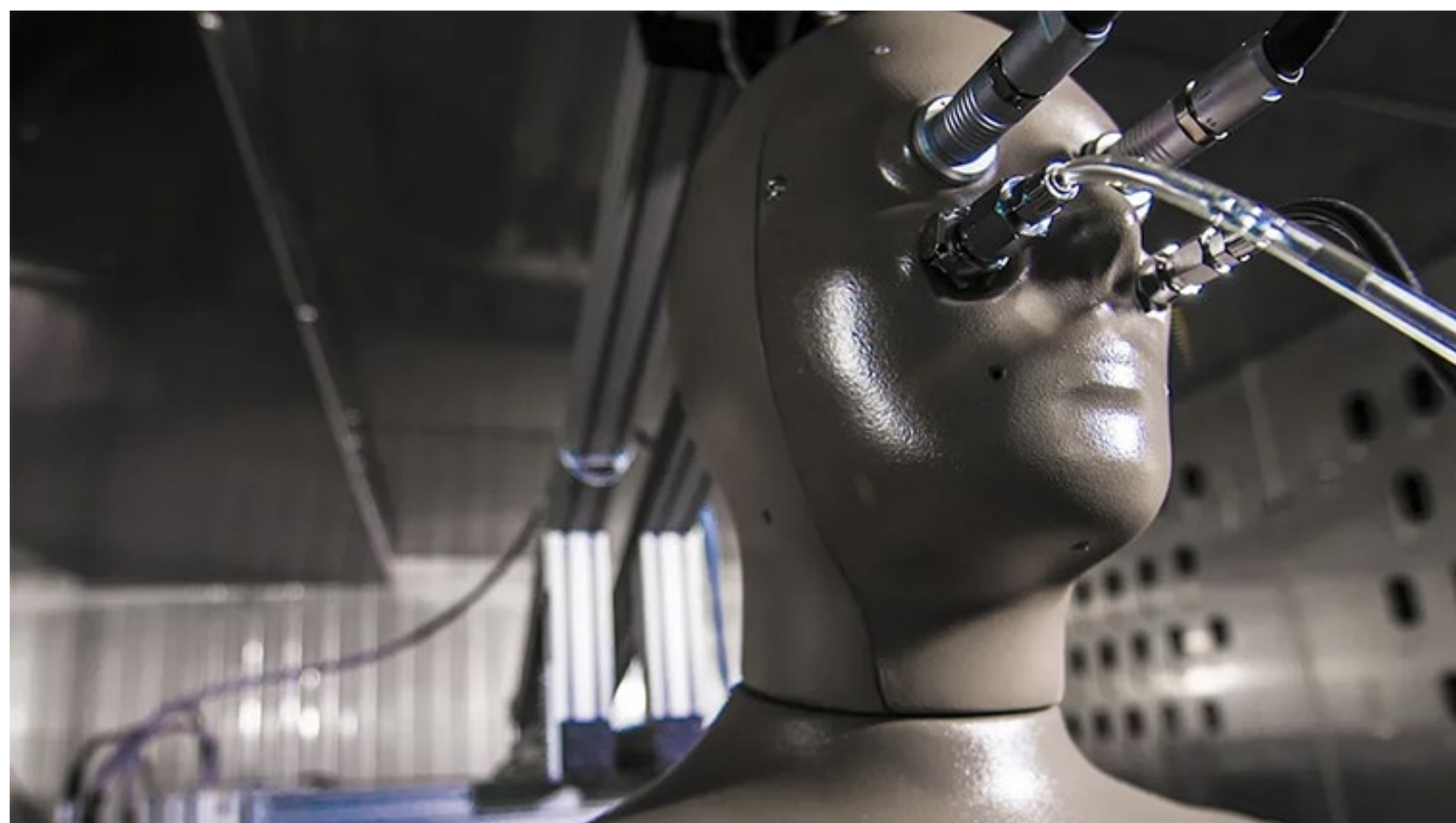
TESTING CENTER «PROMMASH TEST»

The history of the creation of the «PromMash Test» began in 2013, when it was decided to build a multifunctional laboratory complex to test a wide range of products for compliance with Russian standards.

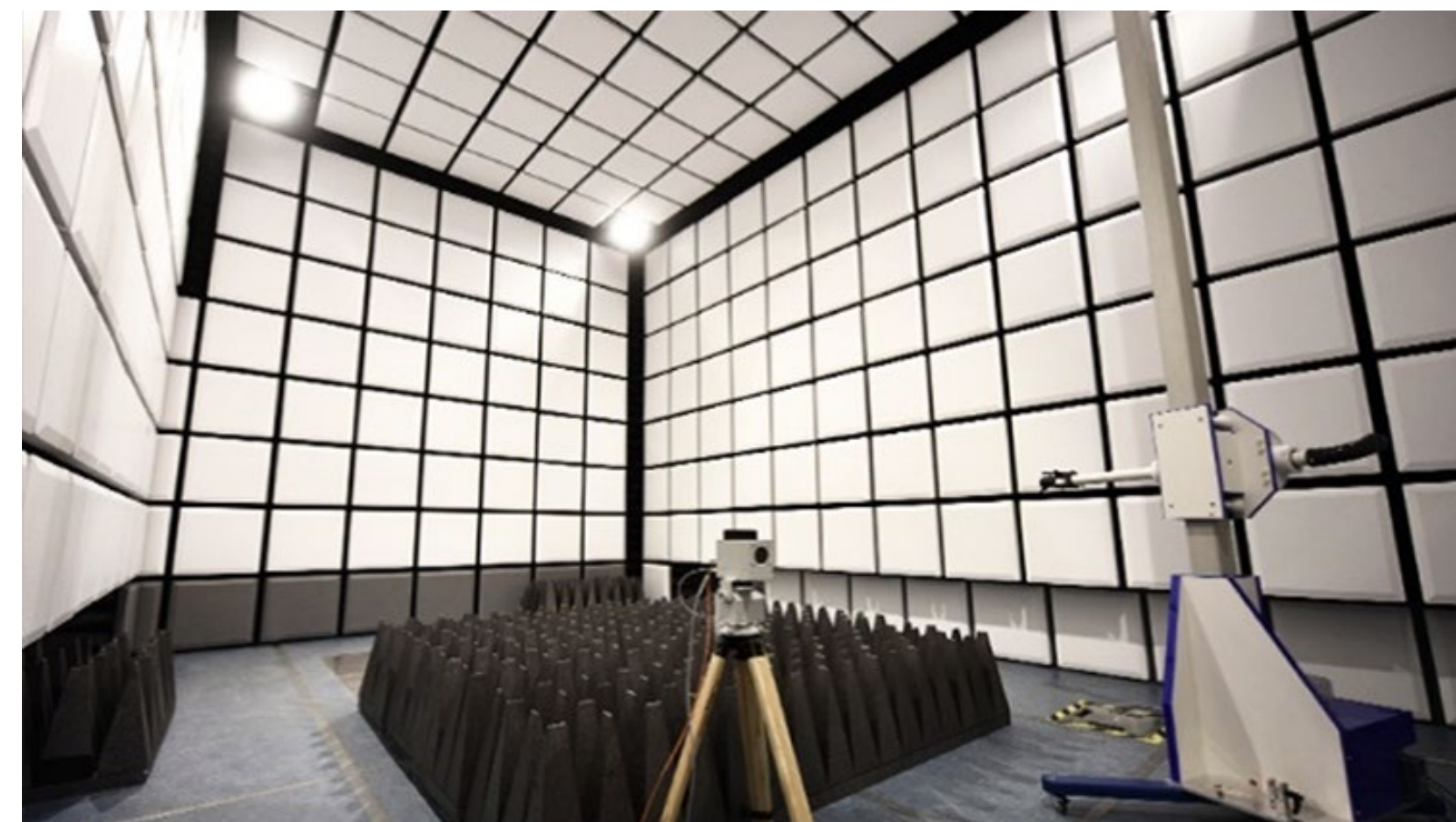
«PromMash Test» is the largest testing center of the Customs Union, which has no analogues on the territory of the CIS countries. «PromMash Test» includes laboratories conducting research and certification tests of equipment used in the energy, oil and gas industry, agriculture, light industry and other industries. The center presents more than 3000 pieces of testing and measuring equipment, many of which are unique in our country.



UNIQUE TEST STANDS



24 zone thermal mannequin Newton
Personal protective equipment testing



Semi-anechoic EMC Test Chamber



Explosion chambers for investigating the
damaging effects of a blast wave

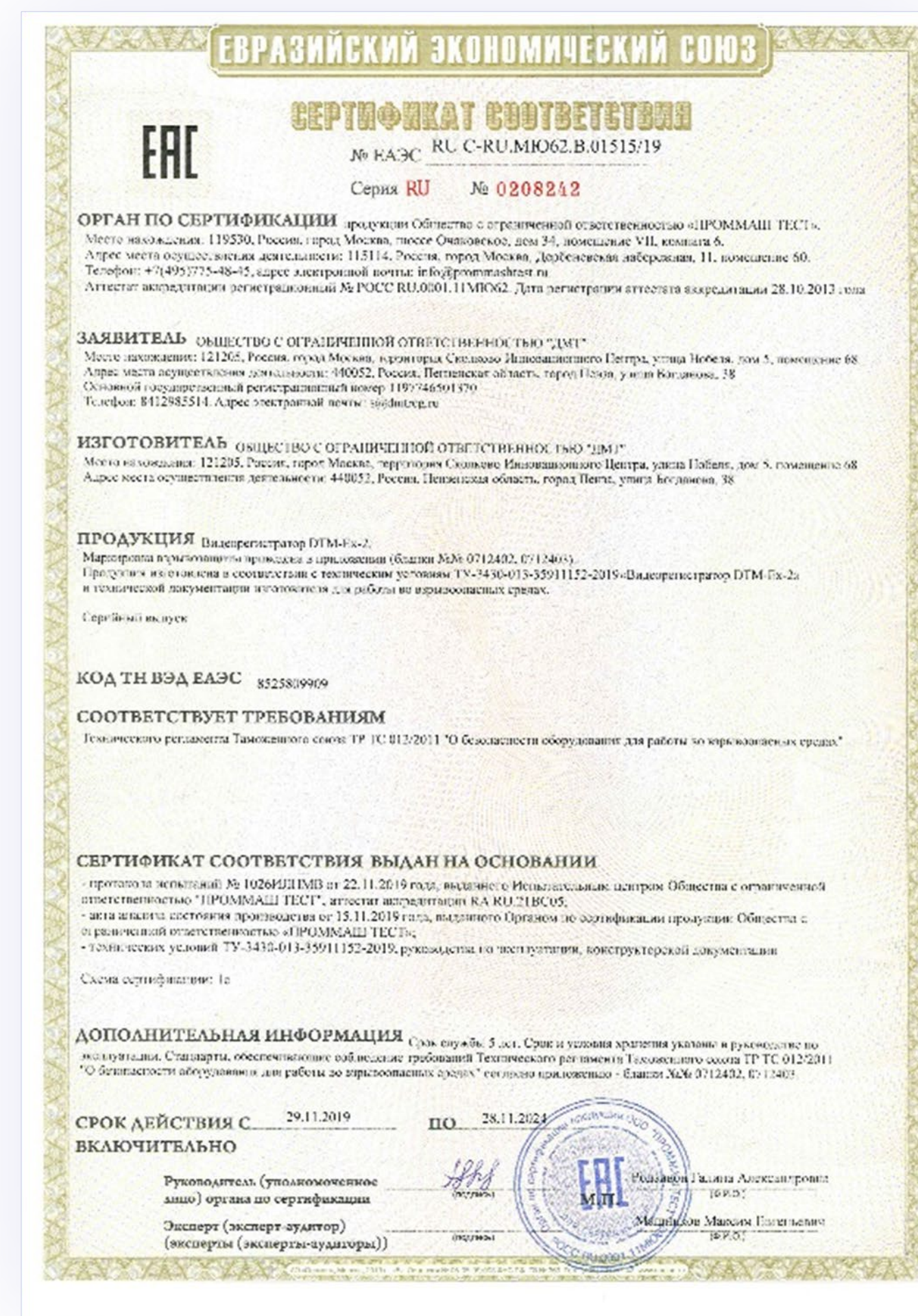


Climatic chamber REOCAM TCH-30k-S

CUSTOMS UNION CERTIFICATION

«Sercons» is an accredited certification body according to the following technical regulations of the Customs Union:

- TR CU 004/2011 «On the safety of low-voltage equipment»
- TR CU 005/2011 «On the safety of packaging»
- TR CU 007/2011 «On the safety of products intended for children and adolescents»
- TR CU 008/2011 «On the safety of toys»
- TR CU 009/2011 «On the safety of perfumery and cosmetic products»
- TR CU 010/2011 «On the safety of machinery and equipment»
- TR CU 011/2011 «Safety of elevators»
- TR CU 012/2011 «On the safety of equipment for work in explosive atmospheres»
- TR CU 017/2011 «On the safety of light industry products»
- TR CU 018/2011 «On the safety of wheeled vehicles»
- TR CU 019/2011 «On the safety of personal protective equipment»
- TR CU 020/2011 «Electromagnetic compatibility of technical equipment»
- TR CU 021/2011 «On food safety»
- TR CU 025/2012 «On the safety of furniture products»
- TR CU 030/2012 «On requirements for lubricants, oils and special fluids»
- TR CU 031/2012 «On the safety of agricultural and forestry tractors and trailers for them»
- TR CU 032/2013 «On the safety of equipment operating under excess pressure»
- EAEU 038/2016 «On the safety of attractions»
- EAEU 042/2017 «On the safety of equipment for children's playgrounds»



FIRE CERTIFICATION: TECHNICAL REGULATIONS OF THE EURASIAN ECONOMIC UNION 043, THE FEDERAL LAW №123

The following types of materials are tested in fire safety laboratories equipped with modern equipment and high-precision instruments:

- Fire automation
- Fire retardant
- Finishing and facing
- Heat insulating
- Floor (linoleum, laminate and others)
- Waterproofing
- Roofing
- Fire-resistant structures (partitions, windows, doors) Fabrics, textiles and bedding
- Cable products

Testing and certification are carried out within the framework of the federal law №123 «Technical Regulations on Fire Safety Requirements and Technical Regulations TR EAEU 043/2017 «On Requirements for Fire Safety and Fire Fighting Equipment»



LABORATORIES OF FIRE SAFETY





TESTS AND CERTIFICATIONS PRODUCTS IN THE «ROSATOM» SYSTEM

«PromMash Test» is accredited by Rosatom State Corporation as a testing laboratory (center) in accordance with the requirements of the Decree of the Government of the Russian Federation of July 27, 2013 №612 «On accreditation in the field of the use of nuclear energy». In accordance with the Federal Law dated 01.12.2007 №317 «On the State Atomic Energy Corporation Rosatom»



Impact of external factors



Individual protection means



Cable production



Physical protection equipment



Pipe fittings (special and industrial) and pipelines



Electromagnetic compatibility of technical equipment

INDUSTRIAL SAFETY EXPERTISE

«PromMash Test» provides a full range of services in the field of industrial safety for industrial enterprises of the oil and gas and petrochemical industries. At the disposal of our specialists is a modern mobile laboratory for non-destructive testing and a testing center, where all types of examinations can be carried out to study the quality of materials and their compounds.

The company employs more than 150 qualified specialists with experience in conducting industrial safety expertise at industrial facilities of any scale and hazard class. We provide expertise services throughout Russia, including work on hard-to-reach, technically complex and unique objects.



SERVICES IN THE FIELD OF INDUSTRIAL SAFETY

- Expertise of industrial safety of technical devices, buildings and structures, design documentation for conservation, liquidation, technical re-equipment of hazardous production facilities
- Technical diagnostics and examination of technical devices
- Industrial safety declaration
- Justification of the safety of hazardous production facilities
- Industrial safety certification
- Industrial safety audit at hazardous production facilities
- Development of special technical conditions
- Licensing of hazardous production facilities
- Registration of technical devices with Rostekhnadzor

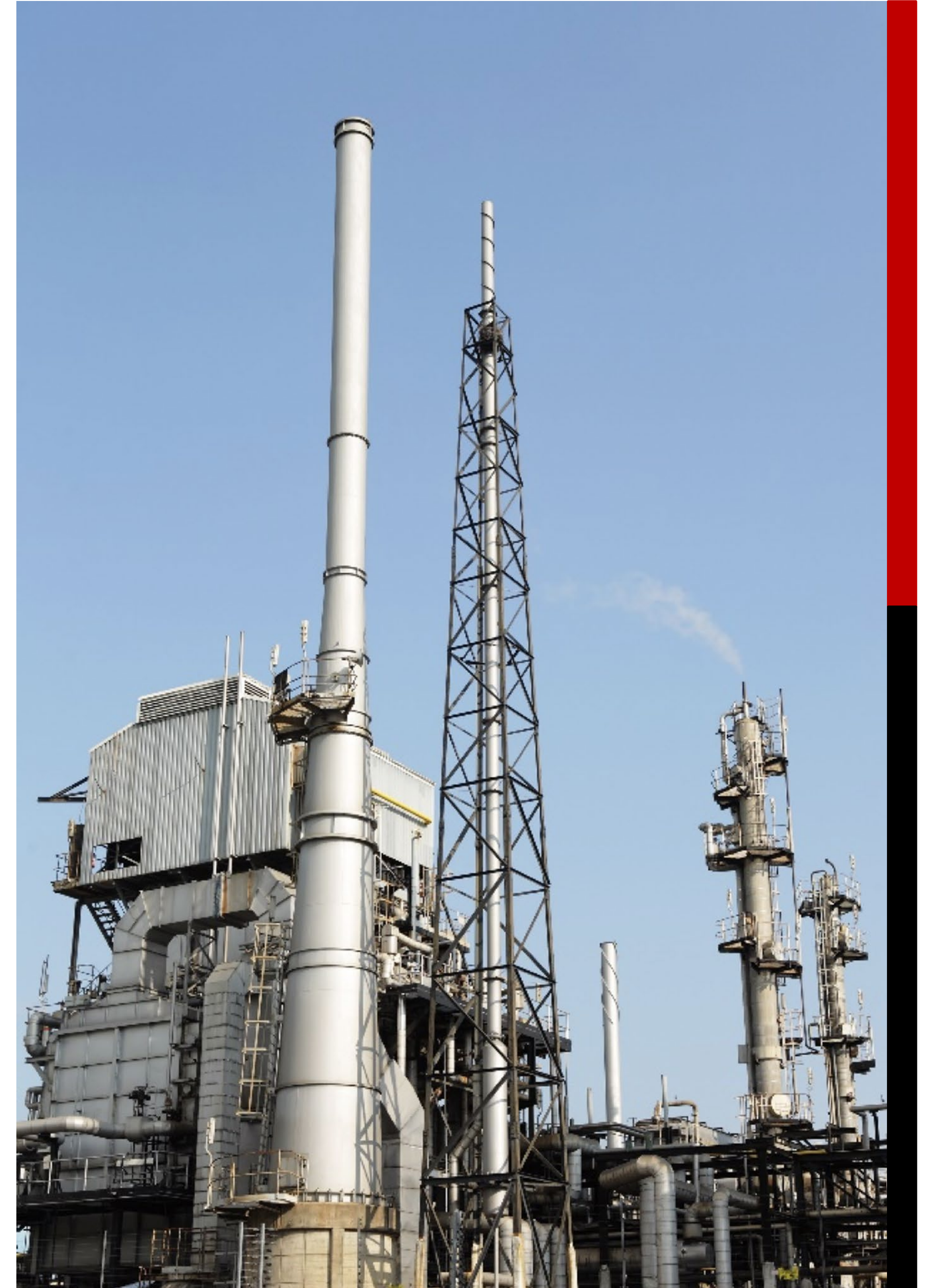


JUSTIFICATION OF SAFETY OF HAZARDOUS PRODUCTION FACILITIES

Justification of the safety of a hazardous production facility - a document, information on the results of an accident risk assessment at hazardous production facility and uses with it threats, conditions of safe operation hazardous production facility, requirements for operation, overhaul, conservation and disposal of hazardous production facility

Objects for which we implement the Justification of safety of hazardous production facility rules (categories 1, 2, 3):

- **Hazardous production facility of the oil and gas production complex chemically hazardous production facilities of water treatment systems**
- **Hazardous production facility of main pipeline transport**
- **Hazardous production facility chemical, petrochemical and oil refining industry, as well as other explosive and hazardous industries**
- **Hazardous production facility for petroleum products**

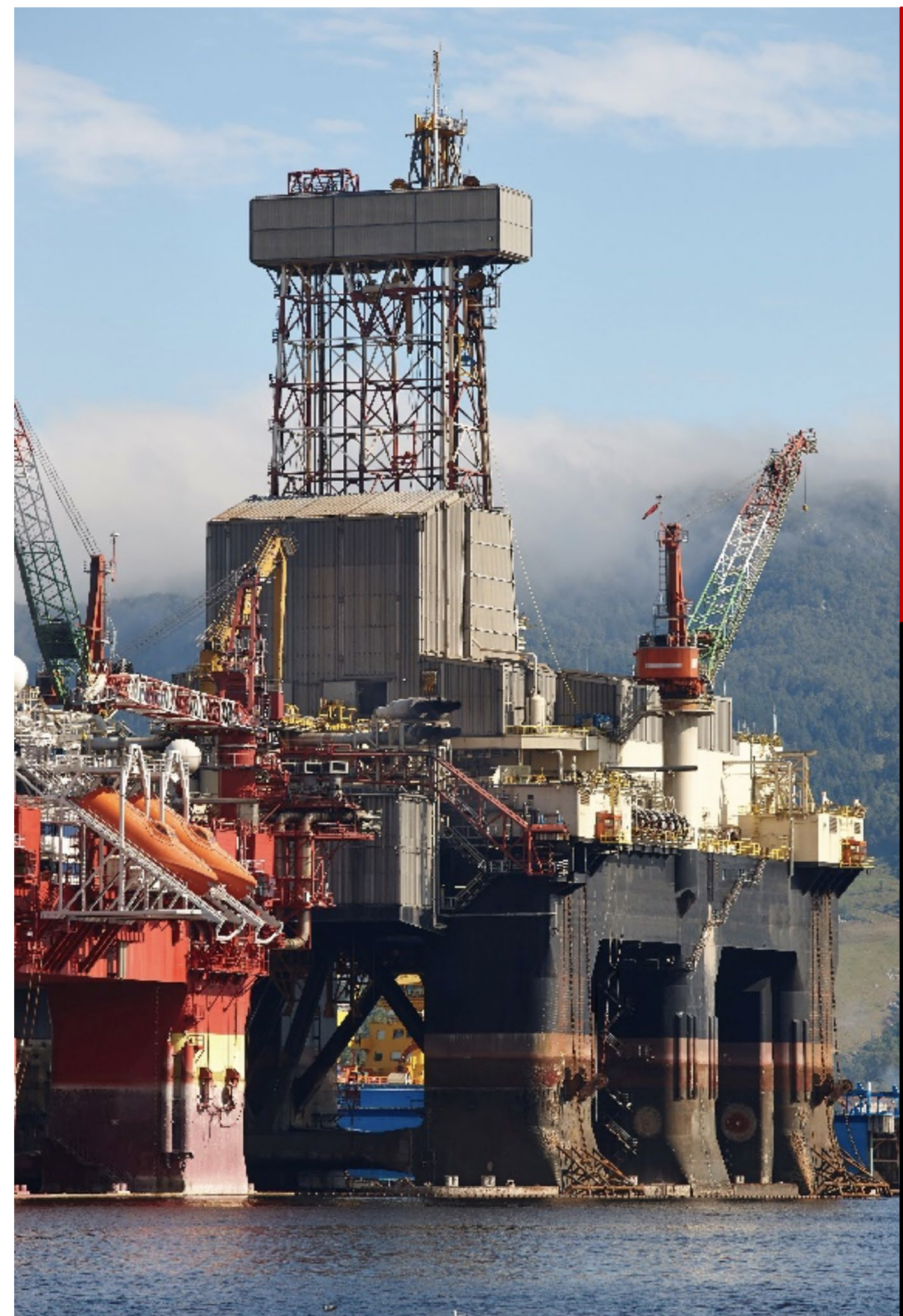


INDUSTRIAL SAFETY DECLARATION

The Industrial Safety Declaration is an official document that reflects a full description and scale of possible hazards at a given facility. In addition, it describes the measures developed to maintain the required level of safety and the degree of readiness for operational actions in the event of man-made accidents and disasters.

The declaration makes it possible to objectively assess the completeness and degree of effectiveness of measures aimed at anticipating possible emergencies at industrial facilities and eliminating their consequences.

The need to develop an industrial safety declaration is defined in the Federal Law №116 of 27.07.99. «On industrial safety of hazardous production facilities»



NON-STATE EXAMINATION

Conducting a non-state examination of project documentation helps to achieve the following goals:

- **bringing project documentation in line with environmental requirements;**
- **reasonable use of financial, energy and material resources;**
- **ensuring complete safety of the upcoming construction work and operation or construction;**
- **minimization or complete elimination of harm caused by the erected object of the environment.**

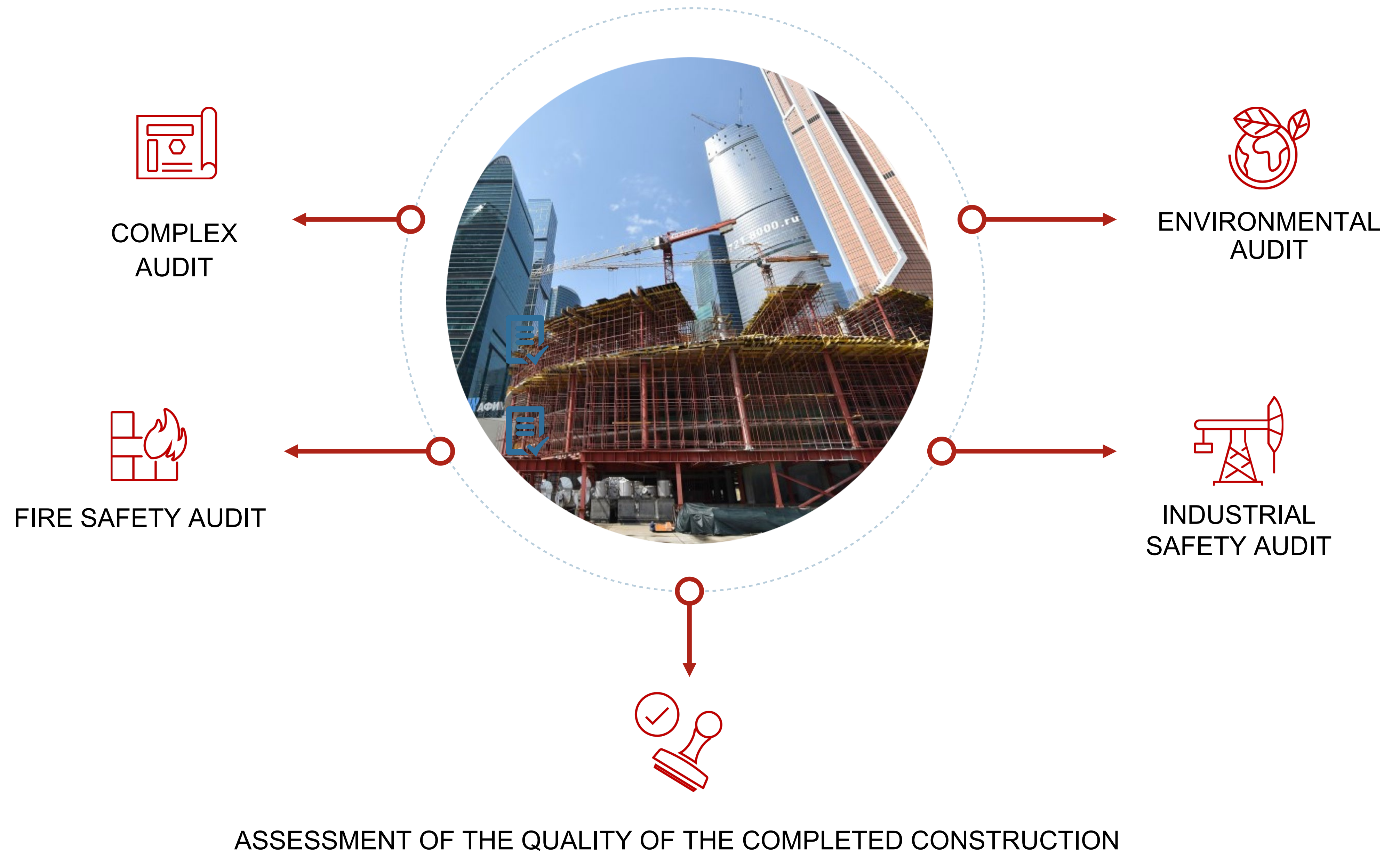
The result of a non-state examination is the same official document as a positive conclusion of a state examination, which means that it gives the right to promptly obtain a building permit.

«PromMash Test» is accredited to conduct an examination of design documentation, carrying out an examination of projects of production facilities and residential buildings. Accreditation Certificate № RA.RU.611841 issued by the Federal Accreditation Service.



AUDIT

At the stage of design and operation of construction objects



AUDIT OF CONSTRUCTIVE DECISIONS

DOCUMENTARY AUDIT	OUTGOING AUDIT
Examination of design documentation for all sections, including «Constructive solutions»	Visual inspection of buildings with the identification of defects and damage
Engineering survey	Instrumental inspection of buildings and structures, Issuance of a technical opinion
Audit of the estimated cost of the object	Comparison of design documentation to the actual result of construction

INDUSTRIAL SAFETY AUDIT

DOCUMENTARY AUDIT	OUTGOING AUDIT
Audit of a project documentation for the construction of buildings and structures in terms of industrial safety.	Verification of compliance of the object with design documentation in terms of industrial safety
Audit of technical documentation for equipment	Audit of the facility in accordance with all industrial safety rules
Analysis of executive and acceptance documentation	Formation of a technical report, including recommendations for eliminating inconsistencies

FIRE SAFETY AUDIT

DOCUMENTARY AUDIT	OUTGOING AUDIT
Checking or revising the section of the project design «Fire safety	Object audit in accordance with all industrial safety rules
Expertise and completion of documentation	Independent assessment of fire risk in the presence of deviations from the requirements
Verification / Development of Special Specifications for Fire Safety	Formation of a technical report with recommendations for eliminating inconsistencies

ENVIRONMENTAL AUDIT

DOCUMENTARY AUDIT	OUTGOING AUDIT
Examination of sections / development of sections of the project «Environmental Protection» and the project of the Sanitary Protection Zone	Visual audit of the facility in terms of the sanitary protection zone and compliance with the requirements
Comprehensive assessment of the organization's activities in the field of environmental protection	Checking the compliance of the object with the design documentation

ASSESSMENT OF THE QUALITY OF THE COMPLETED CONSTRUCTION

Checking the quality and volume of materials and technologies of construction and installation works
Monitoring compliance with the deadlines for construction work
Formation of a technical report with an indication of all inconsistencies and recommendations for their elimination
Control of the process and timing of submission of documents and obtaining a building permit

SPECIAL ASSESSMENT OF WORKING CONDITIONS

The testing laboratory «PROMMASH TEST» is accredited by the Federal Accreditation Service (accreditation certificate № RA.RU.21HB46) and entered into the register of organizations special assessment of working conditions of the Ministry of Labor of the Russian Federation.

«PROMMASH TEST» experts are certified in accordance with the established procedure for the right to perform work on a special assessment of working conditions, have experience in conducting instrumental measurements for at least three years and are trained for the right to carry out work on a special assessment of working conditions in 72 hours.

Our company employs 52 experts, working groups of engineers are present in Moscow, Rostov-on-Don, St. Petersburg, Novosibirsk, and other large cities of Russia, which allows us to carry out special assessment of working conditions throughout the country, providing our clients with optimal conditions for cooperation.

LABOR SAFETY OUTSOURCING

«PromMash Test» works in the direction of outsourcing on a turnkey basis, providing an alternative to the regular labor protection service, and partially assisting in the development and adaptation of labor protection documentation.

Outsourcing services:

- Development of documents on labor protection
- Labor protection audit
- Labor protection outsourcing
- Accident investigation
- Occupational safety certification
- Refund of funds from the Social Insurance Fund training of managers and specialists
- Audit on civil defense and protection against emergency situations (civil defense and emergency situations) accompaniment of medical examinations
- Development of documents on civil defense and protection against emergency situations (civil defense and emergency situations) conducting briefings

ASSESSMENT OF PROFESSIONAL RISKS

In accordance with Art. 212 of the Labor Code of the Russian Federation, as well as parts of FZ-426 - each employer is obliged to inform employees about the existing risk of damage to their health.

Objectives of professional risk assessment and management:

- Reduce the impact of unfavorable factors (hazards) of labor activity, affecting the health of workers;
- Protect the Employer and the Official (responsible person) from the stipulated liability of the Code of Administrative Offenses of the Russian Federation Article 5.27.1.

Stages of work on pilot projects:

- Study of internal rules, regulations, documents on labor protection;
- Object audit;
- Identification of risk factors and associated hazards;
- Calculations and development of individual measures to eliminate or reduce the levels of professional risks;
- Development of the Regulation on the assessment of professional risks.

In their work, the experts of «PromMash Test» use a combined approach based on the methods of «Fine Kinney», «Checklist» and the «Delphi» method



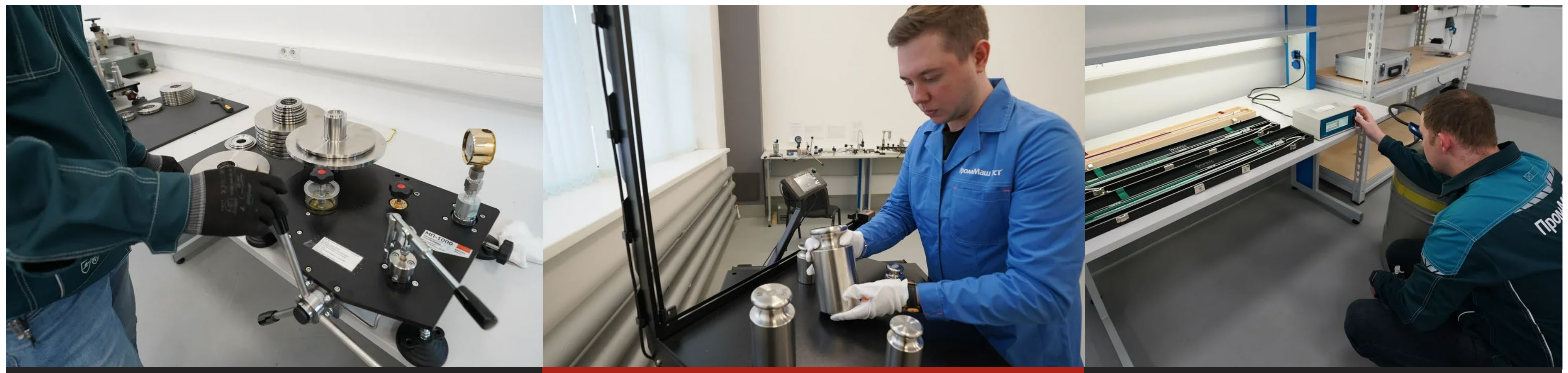
METROLOGY LABORATORY

The metrology laboratory is an integral part of the advanced testing center «PromMash Test» located in Chekhov, Moscow region.

The laboratory was founded and received accreditation to carry out work in the field of services for the verification of measuring instruments in 2015.

In a fairly short, five-year period of time, we have reached a high level of measurement capabilities and expanded the scope of accreditation for verification, calibration and testing for type approval.

Laboratory experts have qualifications and extensive experience in leading scientific metrology institutes and advanced metrology laboratories.



METROLOGY

«PromMash Test» is accredited in the provision of services for verification, calibration of measuring instruments, as well as type approval Accreditation certificates № RA.RU.311368, № 001500, № RA.RU.312126

The main advantage of the «PromMash Test» metrological laboratory is experienced engineers and more than 400 units of modern high-precision equipment, a significant part of which has no analogues in Russia.

SERVICES in the field of metrology:

- **Verification of measuring instruments**
- **Calibration**
- **Type approval**
- **Metrological examination of technical documentation**
- **Changes to the type description**



METROLOGICAL EXPERTISE OF TECHNICAL DOCUMENTATION

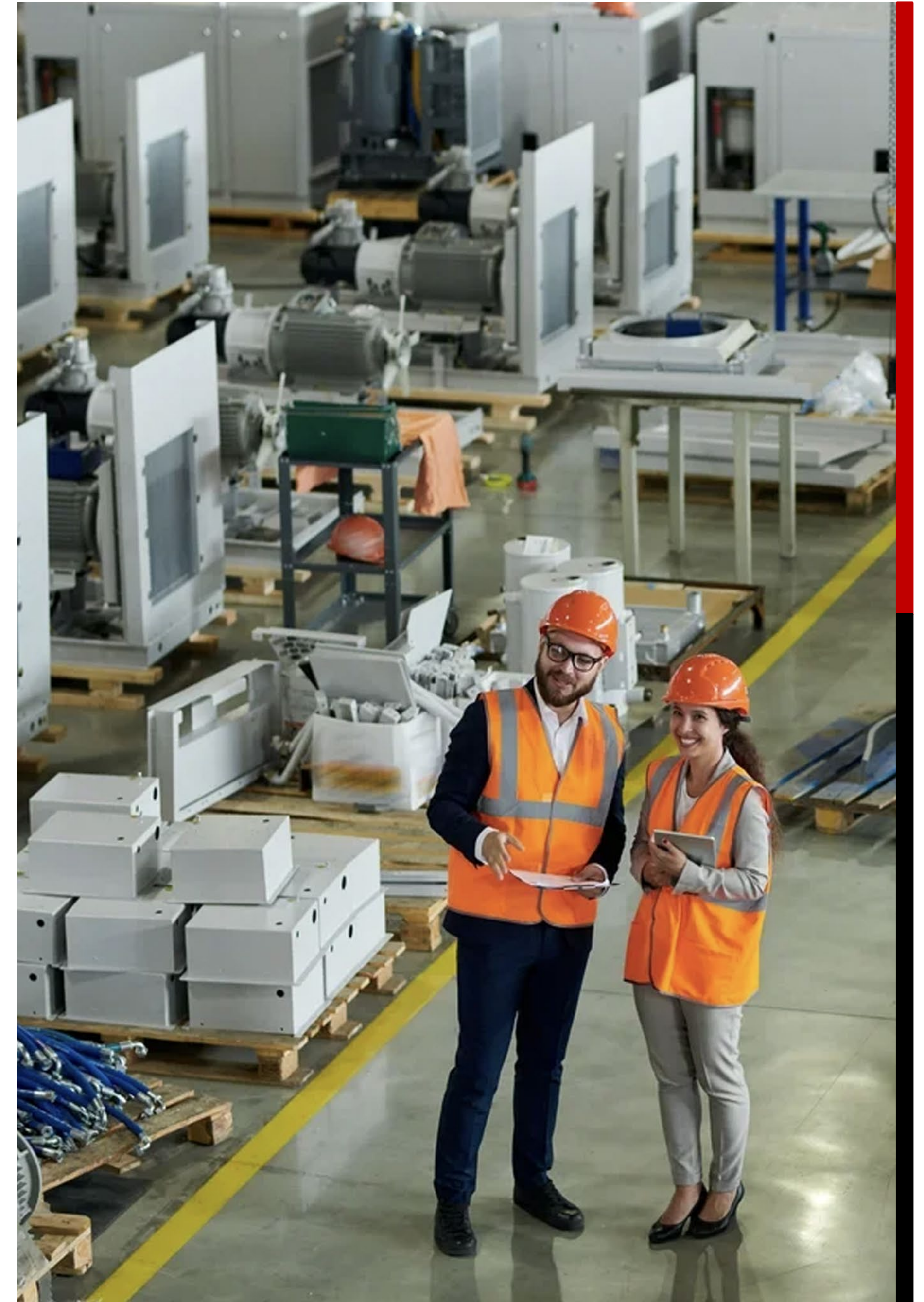
Metrological examination - analysis and assessment of the correctness of the establishment and compliance with metrological requirements in relation to the object being examined.

Metrological requirements are the requirements for the characteristics (parameters) of measurements, measurement standards of units of quantities, standard samples, measuring instruments that affect the result and accuracy of measurements, as well as the conditions under which these characteristics (parameters) must be ensured:

- **calibration and measurement control procedures**
- **technical specifications, projects and working documentation for production and use of measuring instruments and measuring**
- **information systems, metering units and an automatic process control system.**

We carry out metrological expertise:

- **operational documentation, technical conditions, standards**
- **industrial safety declarations**
- **programs and methods of testing and certification, test reports**

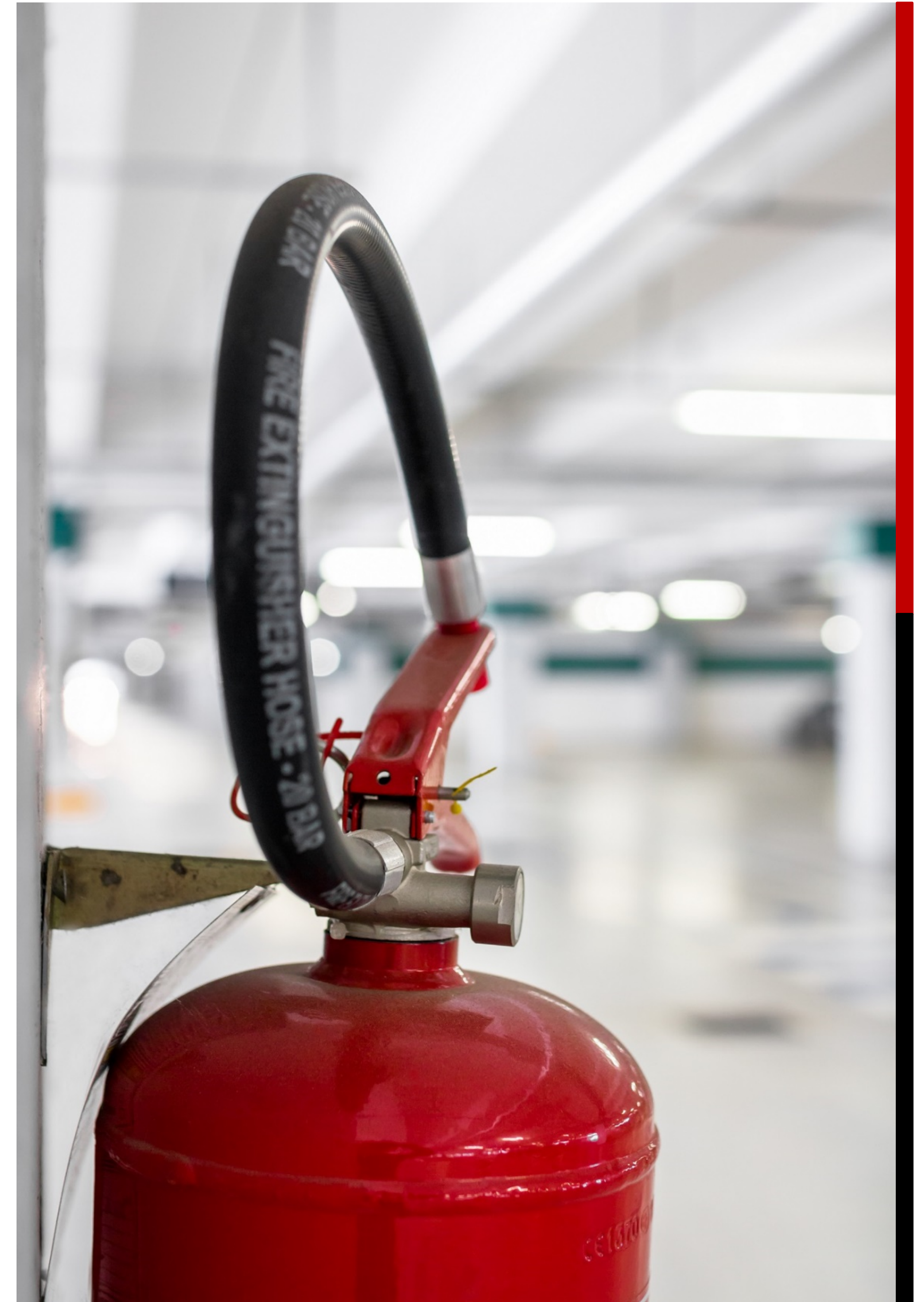


LIST OF FIRE SAFETY SERVICES

«PromMash Test» has licenses and accreditation to carry out expertise in the field of fire safety.

Our fire safety services:

- Special technical conditions
- Independent fire risk assessment
- Calculation of the time and routes of evacuation
- Fire safety declaration
- Development and production of evacuation plans
- Calculation of the category for explosion and fire hazard
- Development of a section of project documentation
- Measures to ensure fire safety
- Civil defense plan and action plan for the prevention and elimination of emergency situations
- Development and approval of anti-terrorist security passports
- Ministry of Emergency Situations license
- Express audit with expert opinion
- Testing and certification of products, equipment and building materials



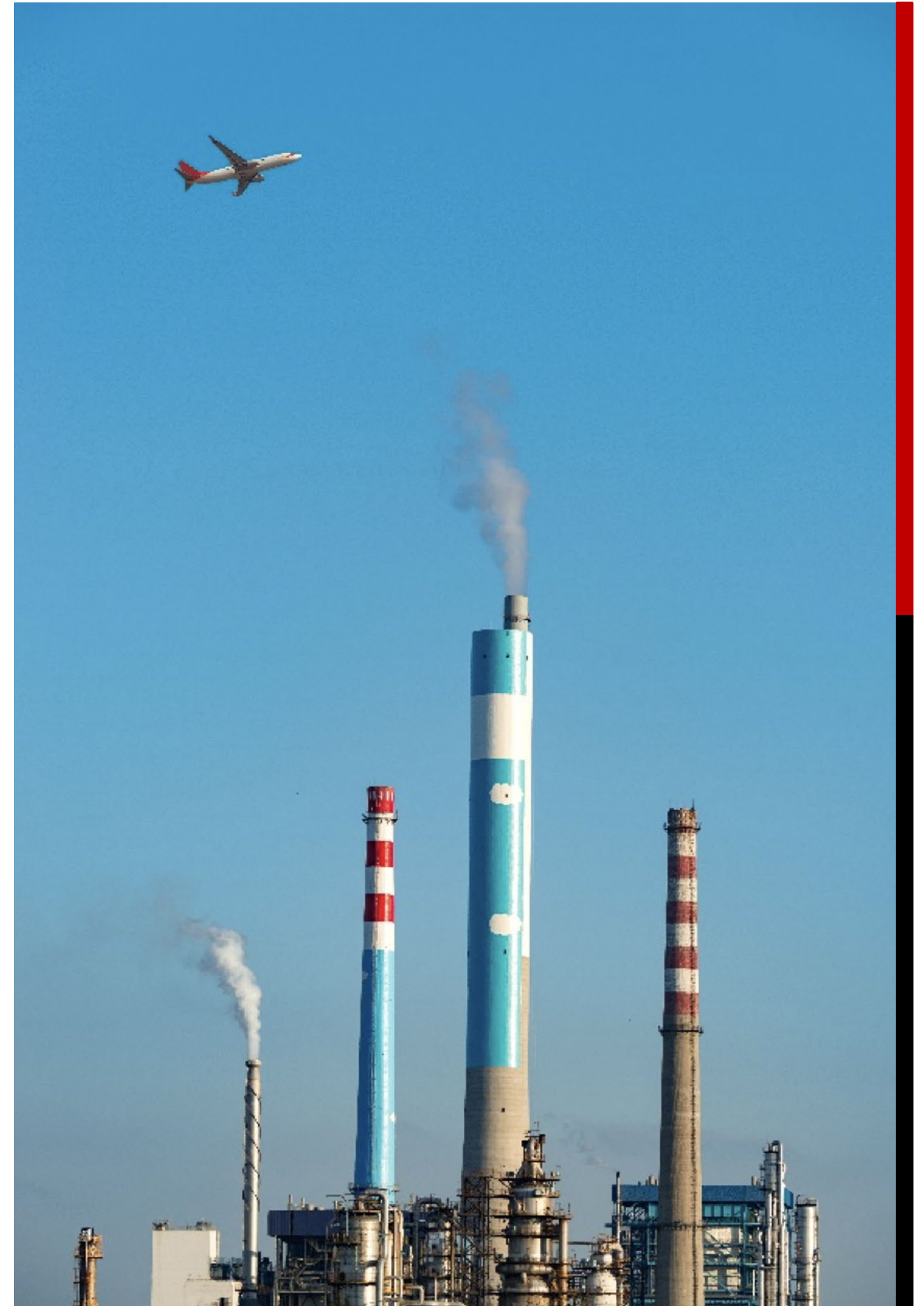
SPECIAL TECHNICAL CONDITIONS

«PromMash Test» has extensive experience in the development and coordination of special technical means in the field of industrial and technical safety.

Objects for which we are developing special technical conditions:

- Objects of pipeline transportation of hydrocarbons (trunk, field and distribution);
- Facilities for the development of oil and gas fields; factories for the processing of hydrocarbon raw materials;
- Public roads, as well as on-site roads.
- Objects of industrial and social importance: warehouses, shopping centers, multi-level parking lots

Among the clients of «PromMash Test» in the field of development and approval of special technical conditions are the largest oil and gas companies of Russia, transport companies, as well as subsidiaries of GAZPROM PJSC , such as Krasnoyarskgazprom neftegazproekt LLC, Gazprom proektirovanie LLC



EXAMPLES OF PERFORMED WORKS

INDUSTRIAL SAFETY EXPERTISE

COMPANY

OBJECTS



50 conclusions of the industrial safety expertise; at the site of the «Gas-catalytic production», flaring gas pipelines, oil intake, gas collectors, tanks and pressure vessels



400 conclusions of the industrial safety expertise, at the sites of oil and petroleum products processing: diagnostics and revision of pipelines, examination of operator's buildings, construction of a pumping unit, furnaces for heating oil



100 conclusions of the industrial safety expertise, diagnostic work on lifting mechanisms, technical devices, tanks, tanks, cylinders

LABOR SAFETY

COMPANY

OBJECTS



Special assessment of working conditions 60,000 Jobs places in all regions of Russia



Special assessment of working conditions and production control of 40,000 workplaces



Special assessment of working conditions 20 000 workplaces

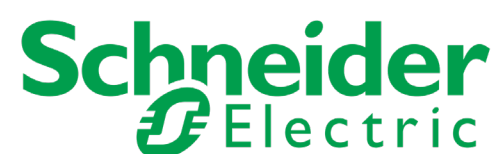
CERTIFICATION

COMPANY

OBJECTS



Industrial electrical equipment, transformers, explosion-proof equipment and installations



Industrial and household electrical equipment



Low voltage and equipment, pressure equipment, gas equipment, complete devices

NON-STATE EXPERTISE

COMPANY

OBJECTS



Gas filling stations



Gas filling stations

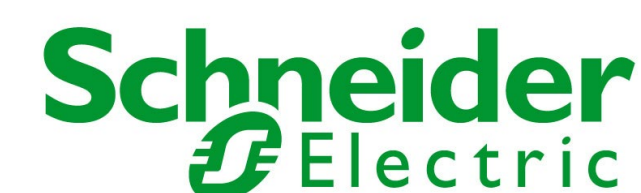


Municipal buildings and structures

OUR CLIENTS

SIEMENS

ABB



LICENSES AND CERTIFICATES



License for industrial safety expertise



Certificate of the nondestructive testing laboratory



Certificate of registration of the electrical laboratory



License of the Ministry of Emergency Situations



Certificate of accreditation for conducting a non-state examination of project documentation



Notification of entry into the Labor Safety Register

LICENSES AND CERTIFICATES



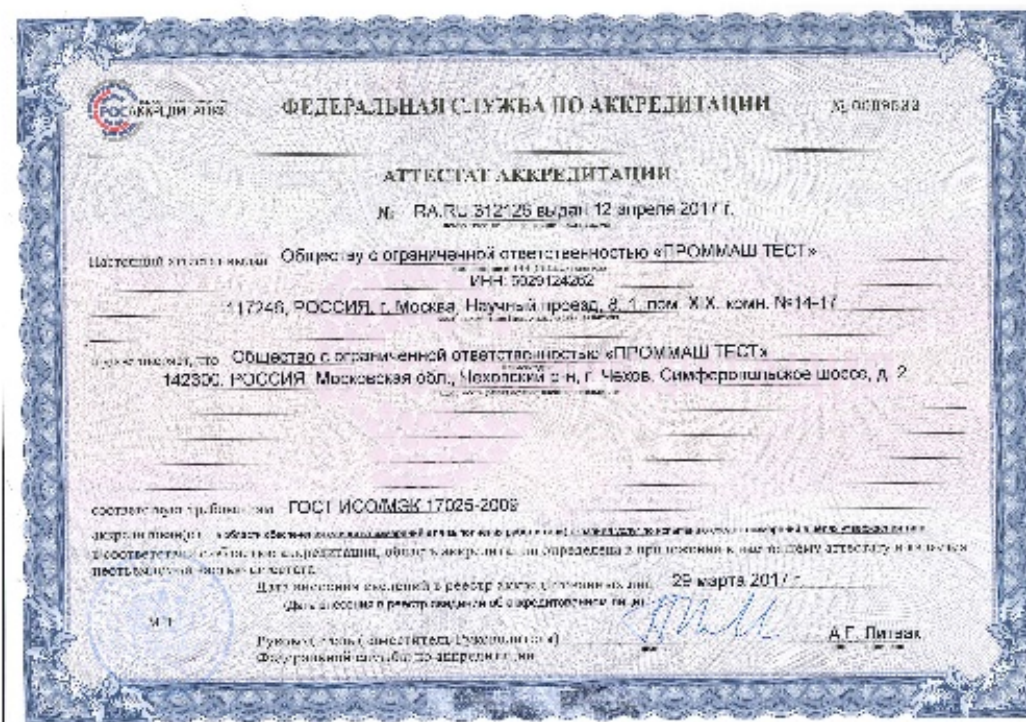
Certificate of Conformity of the Integrated Management System



Certificate of recognition of the competence of «INTERGAZSERT»



Certificate of accreditation of the certification body



Certificate of accreditation of the «Prommash Test» Testing Center



«ROSATOM» Accreditation Certificate



Certificate of self-regulating organizations of Energy surveys