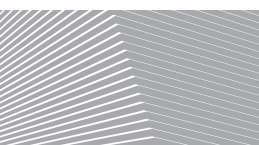


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MISSION



«Technological progress is to contribute to the development of society but not threaten its existence, thus constantly increasing level of modern industrial production must be accompanied by high attention to industrial safety».

Michael N. Bobrov

General Director

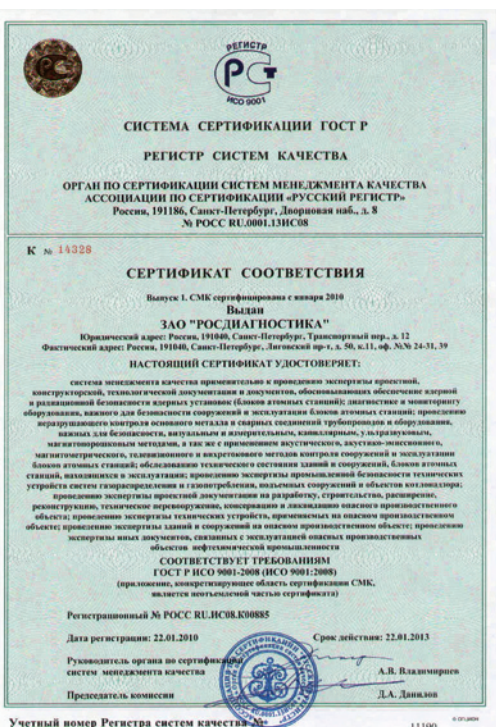
OUR MISSION:

«We work to make the world around us safe and comfortable».



ROSDIAGNOSTIKA
GROUP

QUALITY POLICY



Conformance Certificate of Quality Management System of «ROSDIAGNOSTIKA» Close Joint-Stock Company to the requirements of state standard specification R ISO 9001:2008

Quality control and guarantee hotline: quality@rosdiagnostika.ru

The quality policy is to supply to the consumer such services that meet his requirements and expectations, while providing not only industrial safety but also personal satisfaction

The quality policy – is a strict observance of standard and rule requirements

The quality policy is obligatory for all staff and must be strictly applied practically

The quality policy is periodically analyzed and is used by management as a means to improve quality management

HISTORY

2005

This year the «ROSDIAGNOSTIKA» company is established. In the beginning the company put a task to solve the problem of buried pipelines safety in an urban setting by conducting its complete NDT.

Practically there are no definitely effective methods to solve this task in Russia, so we adopted the unique English technology, which allows fulfill diagnostic with maximum accuracy. Our specialists conducted its adaptation to Russian conditions and it let us settle the tasks about NDT of pipelines on facilities of housing and municipal services, gas, heating and energy supply all over Russia and abroad.

2006

The company participated in the liquidation of pipelines breakdowns of State Unitary Enterprise «Vodokanal SPB». During NDT on the sites of the liquidation of pipelines` breakdowns our specialists could operatively inform about problem sections nearby breakdown areas, what allowed «Vodokanal SPB» to eliminate it immediately. These works were recognized as unique ones, which have no analogues in Russia.

By suggesting our clients high quality of operations and ability to make individual solutions in different areas, our company was offered to cooperate with the State Unitary Enterprise «Vodokanal SPB» in the sphere of zonal measuring system. Team-work with «Vodokanal SPB» began in the middle of 2006 year and continues up to now. During this period specialists of «ROSDIAGNOSTIKA» CJSC examined several big districts of the city and, by using data of the examination, eliminated water leaks. In the result of works operated in some districts of the city leakages were reduced to 8%, which is hardly achievable for many water distributing companies.

2007

Our company brought to market a French technology of leak detection of buried and suspended pipelines on the basis of SmartBall system.

In the same period together with our partners the cover to protect collector concrete – «Bazaltoplast-R» – was developed. The uniqueness of this material is that it provides protection for concrete from corrosion even in specific conditions of sewerage collectors. The material was successfully tested and since 2008 year it is offered on the market.

In 2007 the company received license on Assessment of industrial safety of «K» lit. (Boilers and containers under pressure), «Д» lit. (Main pipelines), «С» lit. (Gas), «П» lit. (Lifting facilities).

2008

«ROSDIAGNOSTIKA» CJSC provides works on modernization and operation of elevators, assessment of industrial safety of gas distribution systems, operation of boiler inspection facilities.

In 2008 «Liga» LLC joined «ROSDIAGNOSTIKA» group. The main activity of «Liga» LLC is construction and repair of power facilities and gas transmission systems.

«ROSDIAGNOSTIKA» CJSC purchased Federal Military and Police Media Holding «It is an Honor» («Chest imeju»).

2009

«Profiservice» company entered «ROSDIAGNOSTIKA» group. It involved in operation and services of residential properties.



Entering to the Noncommercial Partnership «Assessment of industrial safety in gas distribution» («Ekspertgas» NP).

«ROSDIAGNOSTIKA» CJSC is working on modernization and operation of elevators, industrial safety assessment of lifting constructions, gas distribution systems and boil inspection facilities.

«ROSDIAGNOSTIKA» group performs works on construction boiler rooms and modernization of turbines. Company's works geography embraces the whole territory of Russian Federation.

NDT Laboratory extended its certification scope on boiler inspection facilities, gas supply systems, lifting constructions, oil and gas industry, explosive and chemical hazardous production.

«ROSDIAGNOSTIKA» CJSC is using the Wavemaker technology for NDT of heating systems and buried pipelines in facilities of housing and municipal services.

«ROSDIAGNOSTIKA» CJSC completed comprehensive diagnostic support of main pipelines reinsulation.

«ROSDIAGNOSTIKA» CJSC concluded the contract with State Concern «Turkmengas» on modernization of booster compressor station 2 Davletabad, opened a branch office in Ashgabat and started the project realization.

«ROSDIAGNOSTIKA» CJSC obtained licenses for works on the nuclear power facilities including:

- construction of nuclear power station units in the sphere of works performance and services supply of operating company;
- operation of nuclear power station units in the sphere of works performance and services supply of operating company;
- carrying out assessment of project, construction, technological documentation and documents which gives prove on providing nuclear and radiation safety of nuclear plant.

2010

NDT Laboratory extended its certification scope on the electric control method.

«ROSDIAGNOSTIKA» CJSC obtained Certificate of Conformity of Quality Management System to the requirements of State Standard Specification R ISO 9001:2008.

During last year the scope of works of NDT of water supply systems enormously increased. The fast growing market demanded to found a separate establishment specialized in NDT of water supply systems. As a result «Novye Ekspertnye tehnologii» CJSC («NET» CJSC) was created.

Diagnostic works of heating systems by use of Wavemaker technology in Saint-Petersburg and Murmansk. Nondestructive testing of equipment and pipelines of energy units in «North-West Heat Power Plant» branch.

Works on comprehensive diagnostic support of main gas pipelines reinsulation («Gasprom Transgas-Kuban» LLC) were performed.

NDT of insulating cover of main gas pipeline in Velikiy Novgorod («Novgorodoblgas» OJSC) and buried gas pipelines on facilities of housing and municipal services in Saint-Petersburg.

In order to develop activity in modernization of elevators the specialists of «ROSDIAGNOSTIKA» CJSC were in People's Republic of China where they visited many companies which are involved in the production of elevator equipment.

In March 2010 representatives of «ROSDIAGNOSTIKA» CJSC introduced in delegation headed by Chairman of the Foreign Affairs Committee of the Council of the Russian Federation, Special Representative of President of Russian Federation for Sudan Mr. Michael V. Margelov visited Republic of Sudan, where they held negotiations with governing bodies of Sudanese Petroleum Pipelines Holding Co. Ltd. and National Electricity Corporation.

«ROSDIAGNOSTIKA» CJSC opened representative office of the company in Sudan.

In August 2010 as a result of long-continued consultations a Memorandum of Understanding signed between the Ministry of Electricity and Dams of Republic of Sudan and «ROSDIAGNOSTIKA» CJSC. The subject of the MOU is construction of high voltage line 220 kV «Al Fula-Ghebeshe-Umkadada-Al Fasher», «Al Fula – Al Nohood» of 560 km length and 4 substations. In the framework of the MOU the company in October 2010 assigned its specialists in aim to learn about the work conditions and to coordinate technical issues of the project. Collected data and materials composed the foundation of project preparative works.

In September 2010 the delegation of «ROSDIAGNOSTIKA» CJSC visited the Federal Republic of Nigeria, where it held meetings and negotiations with the Ambassador of Russian Federation to Nigeria Mr. Alexander D. Polyakov, the Director of The Presidency Nigerian Investment Promotion Commission Mr. Reuben I. Kifasi, the Head of Nigerian Electricity Regulation Commission Mr. Handley D. Blue-Jack, the Permanent Secretary of the Ministry of Petroleum Resources Mr. Goni M. Sheikh, the Special Assistant to the Hon. Minister of Mines and Steel Development Mr. Garba A. Usman, the Hon. Minister of Federal Ministry of Power Nuhu Somo Wya'fina. In the course of the visit the company signed a MOU with Nigerian Company of ZEDAC International Engineers Ltd.

The specialists of «ROSDIAGNOSTIKA» CJSC together with the governing body of «GAZPROM OIL & GAZ Nigeria» company upon the invitation of Tema Oil Refinery Ltd. visited production site of the company in the Republic of Ghana, held the presentation and proceeded works on modernization of technological equipment.

«Novye Ekspertnye Tehnologii» CJSC became a member of Russian Association of water supply and water removal.

2011

The representatives of «ROSDIAGNOSTIKA» CJSC participated in negotiations with the Hon. Minister of Power of the Federal Republic of Nigeria, performed the presentation in Greater Port Harcourt City Development Authority and signed Agreements. Our specialists proceeded works on the project of double-circuit high voltage line 330kV «Kano-Darazo-Dutse-Combe» of 470 km length and 4 substations.

The administration of «ROSDIAGNOSTIKA» CJSC upon the invitation of Agency for Foreign Investments and Export Promotion of The Republic of Macedonia visited the country and held a number of negotiations with relevant institutions on the issue of cooperation in energy sector.

The branch office of «ROSDIAGNOSTIKA» CJSC is opened in Murmansk.

«Novye Ekspertnye Tehnologii» CJSC obtained Conformance Certificate of Quality Management System to the requirements of ISO standard 9001:2008.

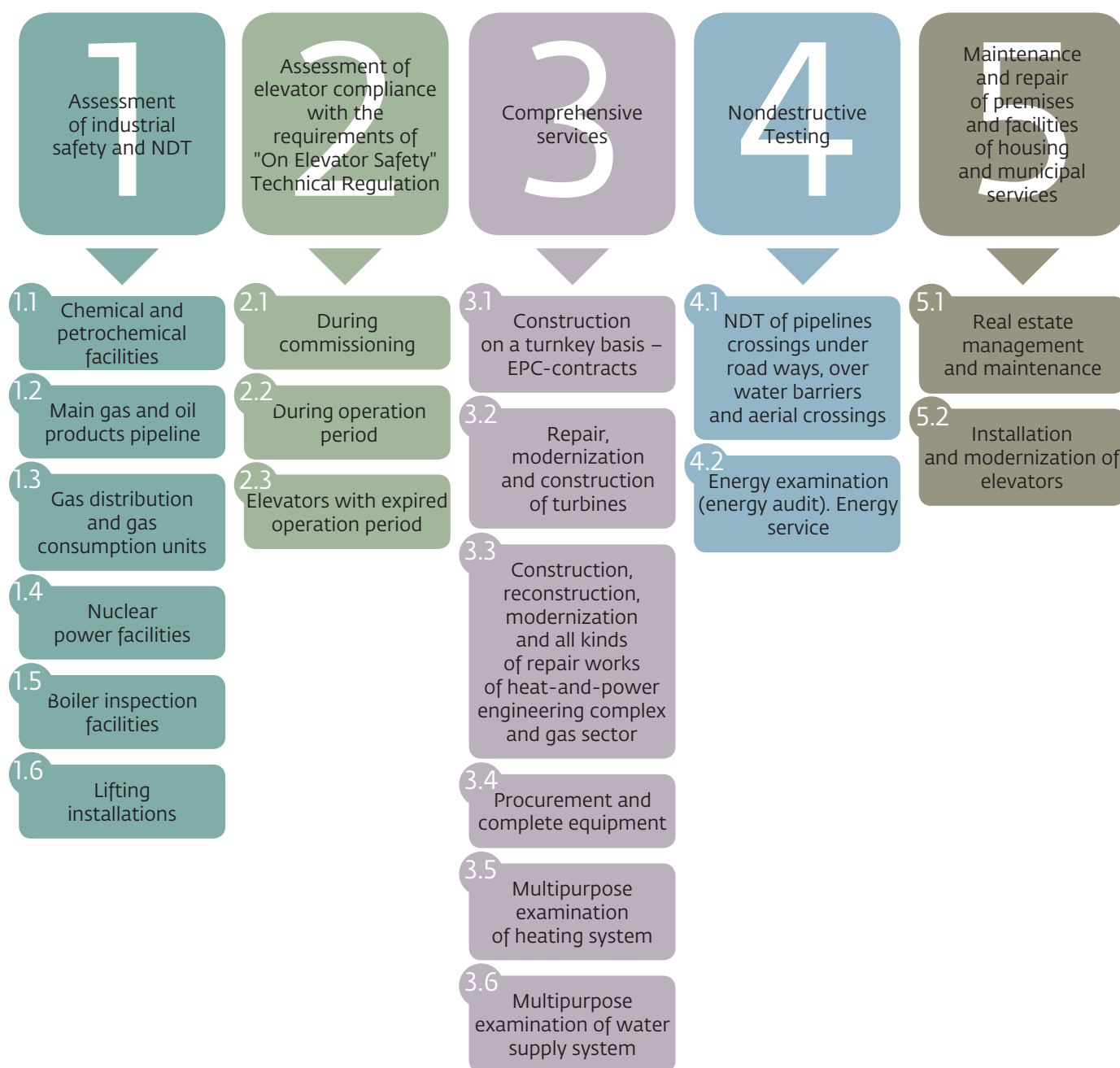
The works on energy audit in Northwest Federal District have started.

Our football team won 1st prize in final lay-off of the second division.



SERVICES

The group of companies «ROSDIAGNOSTIKA»





ASSESSMENT OF INDUSTRIAL SAFETY AND NDT

One of the main business lines of the group of companies «ROSDIAGNOSTIKA» is assessment of industrial safety on hazardous production facilities. The examination is proceeded by Expert Organization which is a part of «ROSDIAGNOSTIKA» CJSC.

«ROSDIAGNOSTIKA» CJSC has licenses of Federal Service of Ecological, Technological and Nuclear Supervision on assessment of industrial safety of the following production facilities:

- Chemical and petrochemical facilities;
- Main gas and oil products pipelines;
- Gas distribution and gas consumption;
- Boiler inspection facilities;
- Lifting installations;
- Nuclear power facilities (hereinafter NPF).



Assessment of industrial safety – is a procedure of compliance assessment of the examined plant to the relevant industrial safety requirements. The result of the procedure is the issue of expert conclusion.

Expert conclusion is a document which contains proved conclusions of compliance of the examined plant to the requirements of industrial safety. The requirements are approved by Authorities of Federal Service on Ecological, Technological and Nuclear Supervision.

Expertise of industrial safety on hazardous production objects is proceeded on the basis of Federal Law of Russian Federation № 116 dated 20.06.1997 «On terms of industrial safety on hazardous production objects».

1.1

ASSESSMENT OF INDUSTRIAL SAFETY AND NDT OF CHEMICAL AND PETROCHEMICAL FACILITIES

Project documentation, technical equipment, buildings and constructions, documents related to operation of hazardous industrial units

It is conducted in compliance with «Regulations about the procedure of industrial safety expertise in chemical, petrochemical and oil refining industry» RD 09-539-03.

The assessment of project documentation is conducted:

- before making a decision about starting of construction, expansion, reconstruction, technical re-equipment, suspension and liquidation of hazardous industrial unit;
- after making changes and additions to the project documentation on construction, expansion, reconstruction, technical re-equipment;
- During containers and pipelines necessary NDT complex with further execution of expert conclusions of industrial safety and technical reports.

The industrial safety assessment of technical equipment is conducted:

- in case if there is no passport of technical equipment;
- in case of expired calculated operation period or worked out of number of load cycle;
- in case if there is no information in technical documentation about operation period of technical equipment, if its actual operation period is more than 20 years;
- in case of influence on technical equipment of the factors which exceed design parameters (temperature, pressure, external power load and so on) as the consequence of breach of regulated operation period;
- in case of proceeding repair-welding works related to the construction changing, substitution of material in bear-loading elements of a technical equipment;
- upon the request of Russian Federal Service for Ecological, Technical and Nuclear Supervision;
- in other cases prescribed in regulating documents about industrial safety.



The assessment of buildings and constructions on hazardous industrial objects is conducted:

- in case of expired operation period approved by a project or other documents;
- in case of influence on a building or a construction external factors such as earthquake, fire, explosion and so on;
- periodically during the operation;
- upon the request of Russian Federal Service for Ecological, Technical and Nuclear Supervision.

The assessment of buildings and constructions on the units of chemical, petrochemical and oil refining industry comprises:

- examination of compliance of construction structure to project documentation and requirements of regulating documents, detection of defects and breakouts of elements and units of the construction with making out lists of defects and breakouts;
- position spatial location of construction structures, its actual sections and junctions' condition;
- updates of actual and expected loads;
- identification of physical characteristics of construction's material;
- Checking calculation of the constructions including detected deviations, defects and breakouts, actual or estimated loads and characteristics of these constructions' materials.



The assessment of documents related to operation of hazardous industrial objects

This type of examination is carried out in order to independently evaluate observation by organizations requirements of Russian Federation Law in industrial safety sphere in the process of operation hazardous production facilities and execution of requirements and conditions which are defined by relevant terms about licensing procedure.

The documents which requires considering and characterization through expertise and which prove that a hazardous production facilities operating organization observes Russian Federation Law in industrial safety sphere, are the following:

- compliance of staff schedule to the requirements for manning by necessary staff on hazardous production facilities;
- Setting in organizations the order of admission to work at hazardous production unit those persons who have required qualification and who have no medical contradictions; as well as control for observance of this order including workers' preparation and qualification review in the field of industrial safety;
- presence on hazardous production unit regulatory legal acts and regulatory technical documents which set the rules how to conduct certain types of works and technological process at relevant work places in a safe way;
- the order of execution of production control about observance requirements of industrial safety;
- preparation of necessary arrangements in order to prevent the penetration at hazardous production facilities unauthorized persons and control of its implementation;

- organization of measures and the availability of financial resources and order of elimination and localization of the consequences of accidents at hazardous production facilities;
- availability of insurance contract on the risk of responsibility for infliction of harm in the process of operation of hazardous production facilities;
- Method of account and analyses of the causes of incidents at hazardous production unit, taking measures to eliminate these causes and prevention of incidents, as well as control its implementation.

Assessment of the adequacy and quality of development and compliance of documentation related to the operation of hazardous production facilities is carried out under the relevant documents submitted by the applicant on specific industries, workshops or work places in accordance to the contract for conducting such an examination.



License issued by Russian Federal Service for Ecological, Technical and Nuclear Supervision № DE-00-009468 (HX) which allows to carry out industrial safety assessment of project documentation on construction, expansion, reconstruction, technical re-equipment, suspension and liquidation of hazardous production facilities; technical equipments applied in hazardous production facilities. Technical diagnosis of buildings and constructions on hazardous production facilities; documents on operation of hazardous production facilities: chemical, petrochemical and oil-gas-refining industry and other explosive and chemically hazardous production facilities.

The examples of performed works

«INTER RAO EAS» OJSC, «Northwest Heating Power Plant»	Industrial safety expertise of technical equipment in chemical workshop: gaging tanks and technological pipelines of sulfuric acid, sodium hydrate and aqua ammonia.
«NKCES and K» CJSC, Smolensk region	Technical diagnosis and passportization of internal pipelines.
«Capital M» OJSC	Industrial safety expertise of reinforced-concrete container with metal caisson inside (volume 250 m ³)
Turkmenbashi complex of oil refining plants	Technical diagnosis and condition assessment of unaccomplished construction of ELOU-7 station
Tema Oil-Refinery (TOR Ltd), Ghana	Technical diagnosis and condition assessment of oil-refining plant after fire for further reconstruction
«Gekon» OJSC	Assessment of economic feasibility of operation and determination of technical condition of oil and gas condensate refining site, 4 gas stations and building land.

1.2

ASSESSMENT OF INDUSTRIAL SAFETY AND NDT OF MAIN GAS AND OIL PRODUCTS PIPELINE

Mains gas and oil products pipelines are constructions for transportation of gas, oil and petroleum products by pipeline for long distances.

In gas and oil pipelines transported mass is under pressure. Depending on pressure gas and oil pipelines are distinguished as following: low, medium and high-pressure pipelines.

Gas and oil pipelines are potentially dangerous facilities, so to ensure compliance with safety requirements during construction and operation of such pipelines it is necessary to carried out examination of the facilities.



Operation of oil and gas pipelines and any works on it without checking the safety of the facilities and documents is serious violation and imply serious administrative responsibility.

During the examination the experts of «ROSDIAGNOSTIKA» CJSC are making the following:

- analysis of project, engineering, operation and other regulatory-technical documentation related to the examined facility;
- comprehensive diagnostic examination of the facility by methods of nondestructive control with usage of modern automatic and manual flaw detectors;
- necessary calculations;
- Estimation of the safe operation period of gas and oil pipelines on the basis of technical diagnosis and calculation results.





**License issued by Russian Federal Service for Ecological, Technical and Nuclear Supervision
№ DE-00-007430 (ДС) which allows carrying out assessment of industrial safety
of technical equipments applied on chemically hazardous production facilities**



The examples of performed works

Construction department «Lenorgenergogaz» – Branch office of «Orgenergogaz» SOJSC	Automated ultrasonic inspection of weld beads and the pipe body with the application of the scanner- flaw detector – «Avtokon MGTU» in the frame of works for integrated technical support for reinsulating of main gas pipeline «Belousovo-Leningrad» Kolpinsky LPU OJSC «Gazprom Transgas Saint-Petersburg», the site examined was from 690 to 696.5 km
Construction department «Lenorgenergogaz» – Branch office of «Orgenergogaz» SOJSC	Automatic control of air crossings with the application of scanner- flaw detector Wavemaker in the fame of works for comprehensive diagnostic examination of main gas pipeline «Messoyakha – Norilsk» IV thread of «Norilskgasprom» OJSC
«Orgenergogaz» SOJSC	Diagnostic examination of lineal part of main gas pipeline «Mitrofanovskaya – Berezanskaya» of «Gazprom Transgaz Kuban» OJSC
«Orgenergogaz» SOJSC	Carrying out diagnostic works in the process of pipes culling during the capital repairs of the linear part of main gas pipelines of «Gazprom Transgaz – Saint-Petersburg» OJSC
«Orgenergogaz» SOJSC	Carrying out diagnostic works in the process of pipes culling during capital repairs of the linear part of main gas pipelines of «Gazprom Transgaz – Kuban» OJSC
«Novgorodoblgaz» OJSC	Industrial safety assessment of gas pipeline branch
«Novgorodoblgaz» OJSC	Diagnostic works and industrial safety assessment of gas distribution point «Akron»

1.3

ASSESSMENT OF INDUSTRIAL SAFETY AND NDT OF GAS DISTRIBUTION AND GAS CONSUMPTION UNITS



During the work and providing safety operation on gas distribution and gas consumption units in case of resources depletion «Regulations for safety of gas supply and gas distribution systems» PB 12-529 -03 stipulates examination of hazardous industrial units.

Examination of gas distribution and gas consumption units is carried out in accordance to the «Regulations for the industrial safety assessment on gas supply facilities» RD 12-608-03.

Examination of the external gas pipelines and systems of domestic gas supply which are in operation is carried out after expiry date and from time to time in accordance with the results of the examination.

Examination of facilities is conducted on the base of technical specification which is coordinated with customers and includes analyses of:

- operational documentation;
- efficiency of automatic regulation system, control, management, dispatching, blocking systems and protection of gas pressure regulating equipment system, protection of steel pipelines from corrosion;
- correct composition of the gas and gas-using equipment, timeliness of repair works or replacement of equipment with expired service period;



- protocols of testing by nondestructive methods of quality control of welds and elements of gas pipelines;
- reports of testing pipelines on strength and leak tightness;
- Compliance of the materials to the state standards, technical specifications





ROSDIAGNOSTIKA
GROUP

SERVICES

- conducting physical material analyses;
- applicability of materials for examined gas supply system;
- suitability of flame proof electrical equipment, devices and instruments for automatic control of gas supply systems, including the presence of documents (protocols) on testing for explosion-proof of electrical equipment operating in explosive conditions;
- current certificates about approval type of measurement of Russian state standard for the devices that measure physical values;
- The effectiveness of pipeline protection systems.

During the examination specialists of «ROSDIAGNOSTIKA» CJSC perform a complex of diagnostic works which include:

- determining the exact location of a pipeline;
- Searching of insulation defects on underground steel pipelines without excavation;
- Assessment of pipes and insulation condition by using nondestructive methods of control in detected defective insulation places (at locations excavated by the subcontractor or customer). The soil corrosive activity normally is determined by special laboratory.

According to the results of diagnostic and calculations a conclusion of industrial safety expertise is completed.



License issued by Russian Federal Service for Ecological, Technical and Nuclear Supervision № DE-00-007430 (ДС) which allows assessment of industrial safety of technical equipments applied on hazardous production units



Since 2009 «ROSDIAGNOSTIKA» CJSC is a member of «Ekspertgaz» NP



The examples of performed works

State corporation of atomic energy «Rosatom», Federal State Unitary Enterprise «State Academic Research Center of Russian Federation – Physics and Energy Institute of A.I. Leypunsky» Kaluga region, Obninsk	Expert technical diagnosis of heat power plant equipment, the extension of equipment safe operation expiry date
«Lengaz-Ekspluatazia» OJSC	Gas pipelines diagnostic
«Yuzhdiagnostika» LLC	Expert technical diagnosis and industrial safety assessment of internal gas pipelines in boiler rooms of SUE CC «Krayteploenergo»
«PeterburgGaz» LLC	Assessment of industrial safety and technical NDT of underground gas pipelines of gas supply system of St. Petersburg
«PeterburgGaz» LLC	Assessment of industrial safety and technical diagnosis of gas control points (GCP) in order to define the term of their further operation
«Lemminkäinen Dorstroy» CJSC	Development of passports for LPG cylinders



SERVICES

Ing. Boris Markarjanc Czech Republic	Industrial safety assessment of technical systems: gas equipment of annealing furnace of SSZ SG type, with a width of transportation band from 120 to 420 cm, gas equipment of glass gob feeder of DS-P type; gas equipment of glass products' packaging lines of BZ 120 type, gas equipment furnaces of prior heating patterns KP 01,1 G; KP 01,2 G; KP 01,3 G; KP 01,4 G; KP 01,5 G; KP 02,1 G; KP 02,2 G; KP 02,3 G; KP 02,4 G; KP 02,5 G, including components and parts, mass-produced by «Sklarske stroje Znojmo, s.r.o.»
«PeterburgGaz» LLC	Technical diagnosis and industrial safety assessment of buried gas pipelines of gas supply system of St. Petersburg within the framework of the targeted program
«Airport Pulkovo» OJSC	Technical diagnosis and industrial safety assessment of buried gas pipelines
«Airport Pulkovo» OJSC	Drawing diagrams and longitudinal profiles of buried gas pipelines of high and medium pressure
«PeterburgGaz» LLC	Technical diagnosis and industrial safety assessment of buried gas supply system of St. Petersburg according to the targeted program
«Lenoblgaz» OJSC	Industrial safety assessment of buried gas supply system of Leningrad region according to the targeted program
«Pskovoblgaz» OJSC	Technical diagnosis and industrial safety assessment of buried gas supply system of Pskov city according to the targeted program
Branch of «Gazpromregiongaz» OJSC, Sokol, Vologda Region	Technical diagnosis and industrial safety assessment of gas distributing point located in Vologda region, Velikoustug district, Vasilyevskaya village
"Vologdagaz" OJSC	Technical diagnosis and industrial safety assessment of buried pipelines according to the targeted program
St. Petersburg State University	Technical diagnosis of gas distribution plants in №1 and №2 boiler rooms
«Diagnostika» CJSC ISTD, Perm city, Yayvinskaya GRES	Technical diagnosis of underground crossings through railway tracks of pipeline du 426*7 by using the ultrasound Wavemaker system

1.4

ASSESSMENT OF INDUSTRIAL SAFETY
AND NDT OF NUCLEAR POWER FACILITIES

In 2009 in the structure of «ROSDIAGNOSTIKA» CJSC the Department of Nuclear and Radiation Safety was opened. That year «ROSDIAGNOSTIKA» CJSC obtained licenses which allow to work on the Nuclear Power Facilities (hereinafter – NPF).

According to the licenses «ROSDIAGNOSTIKA» CJSC can perform:

- NDT and monitoring of equipment which is important for safety;
- NDT of base metal and welds of pipelines and equipment which are important for safety, by

using visual, measuring, capillary, ultrasound, magnetic powder methods, as well as by using of acoustic, acoustic-emission, magneto metric, thermo vision and eddy current methods;

- Technical condition examination of buildings and structures.

During the operations «ROSDIAGNOSTIKA» CJSC uses knowledge and skills of own and engaged professionals who have wide experience of work on NPF in Russia and abroad.

Licenses:



**License issued by the Federal Service for Ecological, Technical and Nuclear Supervision
№ CE-03-101-2423 for the operation of units of nuclear power plants in terms
of performance works and services to the operating organization**



License issued by the Federal Service for Ecological, Technical and Nuclear Supervision № CE-02-101-2424 for construction of units of nuclear power plants in terms of performance works and services to the operating organization



License issued by the Federal Service for Ecological, Technical and Nuclear Supervision № GN-13-101-2157 for assessment of project, construction, technological documentation and documents which ensure nuclear and radiation safety of nuclear constructions

The examples of performed works

«Svetlana» OJSC	Assessment of industrial safety of Leningrad Nuclear Power Plant layout
State Corporation of atomic energy «Rosatom», Federal State Unitary Enterprise «State Academic Research Center of Russian Federation – Physics and Energy Institute of A.I. Leypunsky» Kaluga region, Obninsk	Expert technical diagnosis of heat power plant equipment, extension of equipment safe operation expiry date
Branch of «Rosenergoatom Concern» OJSC, «Bilibino Nuclear Power Plant»	Technical diagnosis of elevators within periodic technical inspection
Branch of «Rosenergoatom Concern» OJSC, «Bilibino Nuclear Power Plant»	Assessment of industrial safety and determination of residual life of electric hoists and underhung cranes at «Bilibino Nuclear Power Plant»
Branch office of «Rosenergoatom Concern» OJSC, «Bilibino Nuclear Power Plant»	Technical diagnosis and determination of residual life of the «Vozduhosbornik» container

«Petrozavodskmash» CJSC	Determination of residual life of cranes (29 facilities)
Branch of «Rosenergoatom Concern» OJSC, «Kolskaya Nuclear Power Plant»	Periodic technical inspection of elevators
Branch of «Rosenergoatom Concern» OJSC, «Leningrad Nuclear Power Plant»	Examination of weight carrying cranes along with determination of residual life and development of technical passports for weight carrying cranes on the Leningrad Nuclear Power Plant

1.5

ASSESSMENT OF INDUSTRIAL SAFETY AND NDT OF BOILER INSPECTION FACILITIES



Specialists of «ROSDIAGNOSTIKA» CJSC conduct NDT of the facilities of boiler inspection: steam and hot water pipelines, under pressure containers.

Works are carried out by higher quality specialists who have wide experience of working with both classic specify devices, and high technologies.

Work production is held strictly according to the specifications and technical documentation.

«ROSDIAGNOSTIKA» CJSC has a full instrumentation pull for carrying out any type of operations.

The aim of the work is: determination of further safe operation period of equipment, boiler inspection objects, identifying actual state of its condition and approval of conclusions in Federal Service for Ecological, Technical and Nuclear Supervision.

Result: saving costs for repairs, prevention of accidents.

Licenses:



License issued by the Federal Service for Ecological, Technical and Nuclear Supervision № DE-00-007421(K) on assessment of industrial safety of equipment operating under pressure, heating plants and networks

Examples of performed works

«INTER RAO UES» OJSC branch of the «North-West Heat Power Plant»	Assessment of industrial safety and NDT of basic metal and welds of equipment and pipelines of first and second power units
State Corporation of atomic energy «Rosatom», Federal State Unitary Enterprise «State Academic Research Center of Russian Federation – Physics and Energy Institute of A.I. Leypunsky» Kaluga region, Obninsk	Expert technical diagnosis of heat power plant, extension of equipment safe operation expiry date
Ing. Boris Markarjanc Czech Republic	Assessment of industrial safety of technical equipment: containers and vessels of 100 square meters, operating under 15 MPa pressure; heat exchangers with heat exchange surface of 1000 sq.m., operating under pressure of 15 MPa; rectification columns of 200 m3 operating under pressure of 15 MPa which are serially-produced by Onderejovicka strojirna, s.r.o., Czech Republic

1.6

ASSESSMENT OF INDUSTRIAL SAFETY AND NDT OF LIFTING FACILITIES



Lifting facilities are used for elevating, vertical or horizontal moving of load as well as passengers. Types of lifting facilities are the following: transporters, elevators, escalators, pneumatic hydrotransport, weight carrying cranes of various modifications, winches, jacks, loaders, lifts, funiculars, cableway and other devices. Lifting facilities are widely using in the industry and public utilities. Because of high-level risk of these devices according to the Russian legislation they are liable for obligatory expertise on compliance to the regulation requirements. Operation of lifting facilities without an on-time examination is not allowed.

Assessment of industrial safety of lifting facilities is based on Russian Federation Law № 116 «On industrial safety of hazardous production facilities», RD 10-382-00, and other regulation documents.

The experts of our organization perform technical expertise of the following weight carrying facilities, which are operating at nuclear power objects, railways, oil-refining plants, etc.:

- weight carrying cranes;
- passenger cable and tow ropeways;
- cranes of traveling, goliath and jib types (portal, tower, jib, mobile, traveling, console cranes);
- pipelayer cranes;
- loader cranes;
- lifting cranes (towers);
- construction hoists;
- Lifts for the disabled.

Assessment of industrial safety is conducted in accordance with the following regulation documents:

- Requirements for the arrangement and safe operation of weight carrying cranes using on nuclear power facilities (NP 043-03);
- Regulations for the arrangement and safe operation of passenger cable and tow ropeways (10-559-03);
- Regulations for the arrangement and safe operation of weight carrying cranes (10-382-00);
- Regulations for the arrangement and safe operation of pipe-laying cranes (10-157-97);
- Regulations for the arrangement and safe operation of loader cranes (10-257-98);
- Regulations for the arrangement and safe operation of lifting cranes (towers) (10-611-03);
- Regulations for the arrangement and safe operation of construction hoists (10-518-02);
- Regulations for the arrangement and safe operation of lifting platforms for disabled persons (10-403-01);
- Guidelines on inspection of lifting equipment with expired operation period. Part 1. Principal Provisions. RD 10-112-96;
- Guidelines for examination of load lifting equipment with expired operation period. Part 2. Jib mobile cranes for general purposes RD 10-112-2-97;
- Guidelines on examination of weight carrying equipment with expired operation period. Part 3. Tower, jib nonpropelled and post cranes, timber loading cranes RD 10-112-3-97;
- Guidelines on examination of frame cranes in order to determine the possibility of their further operation RD 10-112-4-97;

- Guidelines for examination of load lifting equipment with expired operation period. Part 5. Bridge and goliath cranes. RD 10-112-5-97;
- Guidelines for examination of technical condition of lifts (towers) with expired operation period in order to determine the possibility of their further operation. Part 9. RD 10-112-9-97;
- Guidelines on examination of weight carrying equipment with expired operation period. Part 11. Construction hoist. RD 10-112-11-03.

Assessment of residual life of lifting facilities is carried out according with the following documents:

- Weight carrying cranes. The basic positions of calculation. GOST 28609-90;
- Weight carrying cranes. The basic positions of calculation. RTM 24.090.26-77;
- Weight carrying cranes of industrial purposes. Standards and methods of calculation of steel constructions' elements. STO 24.09-5821-01-93;
- Standards of calculation of steel constructions of bridge and goliath cranes. OST 24.090.72-83;
- Guidelines on assessment of residual life of bridge type cranes. RD 24-112-5P.

The Assessment includes the following:

- analysis of operational documentation;
- necessary calculations;
- visual examination of equipment;
- technical diagnosis and control;
- Load testing according to the regulations of international standards that are referred to in various regulation documents of Russian Federation.

The Assessment is conducted:

- during commissioning;
- upon the expiration of a normative operation period of lifting equipment;
- in case of absence of documentation on lifting facilities;
- in case of detection of visible defects after repair works or after an accident;
- upon a special order of Russian Federal Service for Ecological, Technical and Nuclear Supervision;
- In other cases specified by the corresponding regulation documents.



**License issued by Russian Federal Service for Ecological, Technical and Nuclear Supervision
№ DE-00-007427 (П) on assessment of industrial safety of technical equipment used
in hazardous production facilities. Nondestructive Testing.**

Examples of performed work

«Petrozavodskmash» CJSC	Assessment of residual life of cranes (29 units)
Branch of «Rosenergoatom Concern» OJSC, «Leningrad Nuclear Power Plant»	Examination of weight carrying cranes along with assessment of residual life and development of technical passports for the cranes of Leningrad Nuclear Power Plant
Branch of «Rosenergoatom Concern» OJSC, «Bilibino Nuclear Power Plant»	Assessment of industrial safety for determination of the residual life of electrical hoists and underhung cranes at «Bilibino Nuclear Power Plant»

2

ASSESSMENT OF ELEVATOR COMPLIANCE WITH THE REQUIREMENTS OF «ON ELEVATORS SAFETY» TECHNICAL REGULATION

Elevator – is a construction designed for transportation of people and (or) load inside a building from one level to another in a cabin which moves along hard guide rails which have the angle of dip to the vertical circle no more than 15 °.

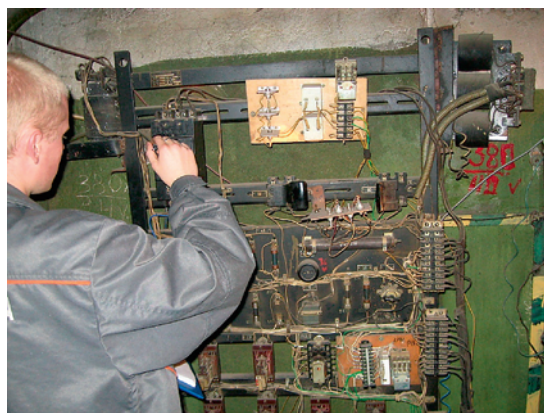
By purposes elevators are divided into goods, passenger, goods-passenger, industrial, hospital elevators and freight platform. By construction elevators are divided: hydraulic elevator, side-walk elevator, freight elevator with lifting rail, elevator for persons with disabilities, pneumatic elevator, cottage elevator, liquid-operated elevator, construction elevator, scissor-shape elevator, panoramic elevator, home elevator, and systems of car parking. Elevators are used in great number of objects in all industries, as well as in the housing sector.





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Assessment of elevator compliance with the requirements of «On Elevators Safety» Technical Regulation is conducted according to:

- Regulation of the Federal Agency for technical regulation of 13.04.10, the № 1200 «On approving the list of national standards and (or) rule-codes by observation of which on a voluntary basis, compliance with Technical Regulation «On Elevators Safety» is provided, the document is approved by the resolution of the Russian Federation Government on October 2, 2009 № 782»;
- Regulation of Russian Federation Government of 15.06.10, № 998-r, which approves the list of documents in standardization field, containing the rules and methods of examination and measurements, including rules of sampling necessary for application and implementation of Technical Regulation «On Elevators Safety» and conduction of compliance assessment.

«ROSDIAGNOSTIKA» CJSC incorporates the Test Operation Center and The Certification Body accredited by the Federal Agency on Technical Regulation and Metrology for carrying out compliance assessment of lifts while commissioning, during the operation and after expiration of operation period to the requirements of Technical Regulation «On Elevators Safety» (Approved by Russian Federation Government on 02.10.09 № 782).

2.1

COMMISSIONING

During commissioning the conformity assessment of elevator is equal to the complete technical examination with further declaration.

The complete technical examination includes:

- conformity assessment of mounted elevator to the current conformity certificate;
- conformity assessment of the elevator's equipment installation to the mounting documentation;
- conformity assessment of safety equipment functioning to the requirements of valid conformity certificate;
- testing insulation of electric power lines and electric equipment, visual and measuring control of grounding of elevator equipment, testing of clutch of towing element with traction sheave or friction spool and testing braking system on the elevator with electric motor drive; testing of hermiticity of hydraulic cylinder and pipelines on the elevator with hydraulic motor drive;
- Results of the complete technical examination are recorded in the elevator passport and issued as document which is transferred to a specialized elevator organization.

In case of detecting of noncompliance with the technical regulations, a specialized elevator organization after the elimination of these nonconformities applies to the Test Operation Center again for re-examination.



2.2

DURING OPERATING PERIOD

The conformity assessment of an elevator **during the operation period** includes the following scope:

- complete technical examination with further declaration (elevator after modernization);
- periodic technical examination;
- partial technical examination.

Periodic technical examination is performed at least 1 time in 12 months with:

- verification of compliance with safety requirements established by paragraph 12 of the Technical Regulation in force;
- visual and measuring control of installation of elevator equipment;
- checking the functioning of the elevator and elevator safety equipment;
- testing of insulation of electric circuit and electric equipment, visual and measuring control of elevator equipment grounding;
- testing of clutch of towing element with traction sheave or friction spool and testing braking system on the elevator with electric motor drive;
- testing of hermiticity of hydraulic cylinder and pipelines on the elevator with hydraulic motor drive.

The results of periodical technical examination are issued as document and registered in the elevator passport by a specialist of The Certification Body.

In case of replacing the following units and mechanisms an elevator during the operation has to pass **partial technical examination**:

- elevator safety system;
- elevator control system;
- lifting system, towing units, traction sheave or friction spool of an elevator with electric motor;
- hydroelectric set, hydraulic cylinder, pipelines of an elevator with hydraulic electric motor;
- load-bearing metal elements of a cabin, counterbalance weight which balances the construction.

In case of partial technical certification of The Certification Body testing and inspections of above-mentioned units are conducted.

The results of periodical technical examination are issued as document and registered in the elevator passport by a specialist of The Certification Body.

2.3

COMPLIANCE ASSESSMENT OF ELEVATOR WITH EXPIRED OPERATION PERIOD

Assessment involves:

- compliance of an elevator of expired operation period with the general safety requirements (article 7 TR «On Elevators Safety») and special safety requirements (article 8–11 TR) depending on elevator type;
- Scope of works for elevator modernization to ensure that it meets requirements of the technical regulations in function.

Elevator assessment involves:

- diagnosis of elevator equipment condition, including elevator's safety system, with identifying defects, breakdowns, deterioration and corrosion rate;
- nondestructive inspection of metal framework, cab suspension, counterweight, as well as guiding rails and mounting elements;
- testing of insulation of electric circuit and electric equipment, visual and measuring control of elevator equipment grounding;
- Calculation of the residual life of units and mechanisms of an elevator.

The results of elevator assessment are issued by The Certification Body as a document stating well-grounded conclusions on demands necessary for extension of elevator safe operation period and upgrading or elevator substitution recommendations. In case of economic inexpediency of elevator modernization related notice will be recorded in this document.

The elevator owner on the basis of The Certification Body's conclusions makes the decision on elevator modernization, substitution or decommissioning. If modernization or substitution is unnecessary the Certification Body sets a term of its further operation.

In accordance with a.16 TR «On Elevators Safety» the compliance confirmation of modernized elevator to Technical Regulation before commissioning must be done in form of declaration.

If results of technical certification of a modernized elevator are positive an expert of the Certification Body sets an operation period and points it out in elevator passport.



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Accreditation certificates of Federal Agency for Technical Regulation and Metrology



The Test Operation Center of «ROSDIAGNOSTIKA» CJSC:
Accreditation certificate № POCC RU.0001.27LF01, valid from 07.10.2010 till 07.10.2015.



The Certification Body of «ROSDIAGNOSTIKA» CJSC:
Accreditation certificate № POCC RU.0001.17LF01, valid from 07.10.2010 till 07.10.2015.

Examples of performed works

«Aliot» LLC
«Baltiysky dom» LLC
«BaltLift» LLC
«BaltStroy» CJSC
«BUMR» Svyazstroy» OJSC
«Wheels» LLC
«Hotel «Oktyabrskaya» OJSC
St. Petersburg City Company «Housing Agency of the Kalinin district»
«Engineering Center «Diagnostika lifto» LLC
«Evrostroyproekt» LLC
Housing Committee of St. Petersburg Government
«Zhiliyo» OJSC
«Zhilkomservice Lomonosov» LLC
«Zhilkomservice № 1 of the Admiralty district» LLC
«Zhilkomservice № 2 of the Admiralty district» LLC
«Zhilkomservice № 1 of the Moscovsky district» LLC
«Zhilkomservice № 1 of the Petrograd district» LLC
«Zhilkomservice № 2 of the Petrograd district» LLC
«Zhilkomservice № 1 of the Primorsky district» LLC
«Zhilkomservice № 3 of the Primorsky district» LLC
«Zhilkomservice № 2 of the Nevsky district» LLC
«Zhilkomservice № 1 of the Frunze district» LLC
«Zhilkomservice № 2 of the Frunze district» LLC
«Zhilkomservice № 3 of the Frunze district» LLC
Housing cooperative society «Priborostroitel»
Housing cooperative society «Crystal»
Housing cooperative society № 271
Housing cooperative society № 275
Housing cooperative society № 317
Housing cooperative society №319
Housing cooperative society №456
Housing cooperative society №486
Housing cooperative society №573
Housing cooperative society №585



Housing cooperative society №796
Housing cooperative society №949
Housing cooperative society №952
Housing cooperative society №953
Housing cooperative society №956
Housing cooperative society №957
Housing cooperative society №959
Housing cooperative society №961
Housing cooperative society №1051
Housing cooperative society №1146
Housing cooperative society №1349
«International Capital Group» OJSC
«Interservice-Garant» CJSC
Branch of «Rosenergoatom Concern» OJSC «Kolskaya Nuclear Power Plant»
ME «Communalny rasschetny center»
«KONE Lifts» CJSC
Company CNMI «LenSpetsSMU»
«Elevator company «Partner and Co» LLC
«Liftstroyupravlenie» LLC
«Martin» LLC
«Mogilevlift» LLC
«MLM NEVA TRADE» LLC
«Nevsky Manufacture» OJSC
«Otis Elevator» LLC
«Hotel Saint-Petersburg» OJSC
«St. Petersburg dom» LLC
«Profiservice» LLC
«Direct investment» LLC
«Radel» LLC
«RusLiftService» LLC
Northwest Bank «Sberbank of Russia» OJSC
«Northwest Installation Company» LLC
«City Service» OJSC
«SMU № 7» LLC
Sosnovoborsky district of Leningrad region
St. Petersburg City Company, «The management of hostels»

SPb SHCI «City Hospital № 44 of the Frunze district administration of St. Petersburg»

«City polyclinic № 19» SPb SHCI

«Hospital of St. George» SPb SHCI

«CIC «Stroykomplekt» CJSC

«Transmost» OJSC

Housing cooperative «Dunaisky 37 / 1»

Housing cooperative «Zagorodny 45»

Housing cooperative «Commandant's third puskovoy 34»

Housing cooperative «Kupchinsky 19 / 2»

Housing cooperative «Leninsky 88»

Housing cooperative «Matveevskoe»

Housing cooperative «On the Isaac square»

Housing cooperative «Commandant»

Housing cooperative «Griboedov Chanel 150»

Housing cooperative «Our House»

Housing cooperative «Okkervil LST»

Housing cooperative «Oranienbaum 20»

Housing cooperative «Posad»

Housing cooperative «Prague Street Building 17 Pav.1»

Housing cooperative «Sadovaya 128»

Housing cooperative «Sadovaya 129»

Housing cooperative «Strela»

Housing cooperative «Sezzhinskaya 23»

Housing cooperative «Tri Plus Dva»

Housing cooperative «Fregat»

Housing cooperative № 926

Housing cooperative «Novosmolenskaya 2»

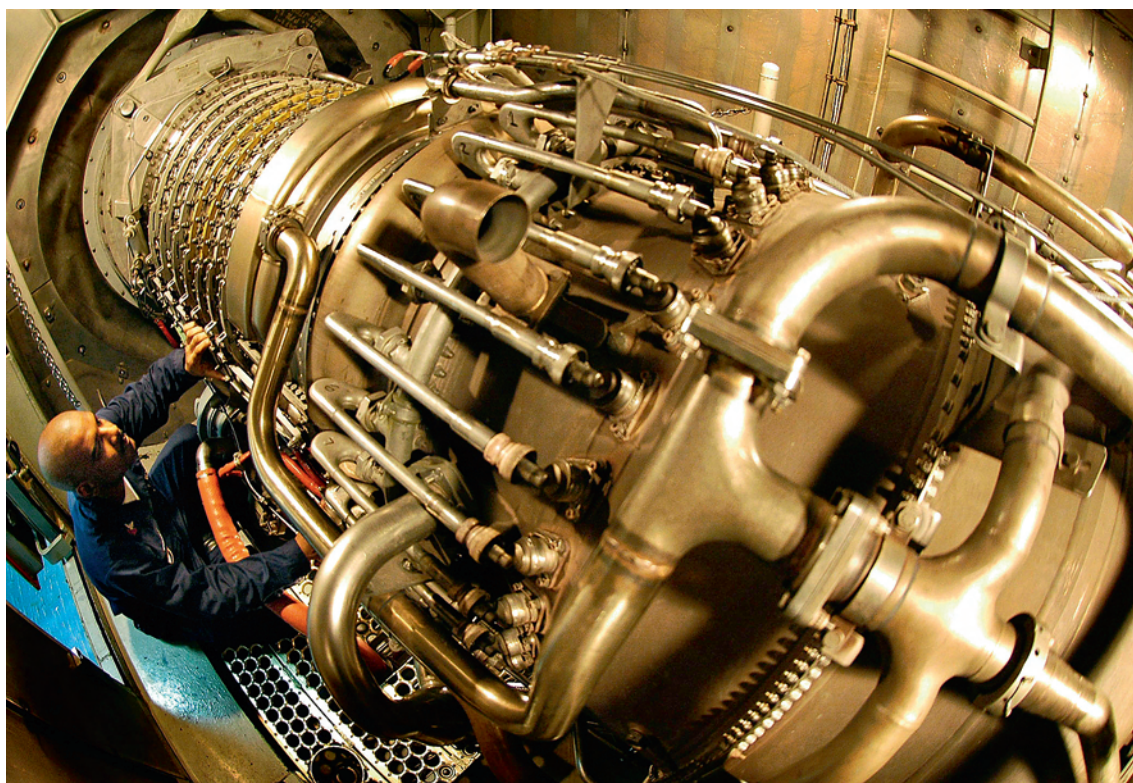
MC «Uyutny Dom» LLC

«Fasadremstroy» OJSC

«The economic and Operational Management Office» OJSC



COMPREHENSIVE SERVICES



3.1

CONSTRUCTION ON A TURNKEY BASIS – EPC CONTRACTS

EPC-contract is a contract on construction on a «turnkey» basis with a fixed price. EPC itself is an English abbreviation of «Engineering», «Procurement», and «Construction».

EPC contractor is a general contractor who performs for a fixed price a basic works of an investment-construction project and takes all risks of its realization in which he has financial responsibility to the customer beginning from designing works till the moment when a completed object is transferred to a customer (including the implementation of guarantee obligations).



«ROSDIAGNOSTIKA» CJSC performs its activity in a number of countries with the participation of state and private foreign partners, actively explores possibilities to realize perspective mutually beneficial projects in Africa, Asia and in the Middle East, takes a member in Russian-Iraqi, Russian-Sudanese and the Russian-Tunisian Business Councils.

«ROSDIAGNOSTIKA» CJSC as an investor and a strategic partner actively cooperates with companies and state organizations of the Federal Republic of Nigeria, enters into relationships for cooperation and development with Sudanese private and state sector, and takes participation in promising projects of the Republic of Ghana, carrying out an EPC-contract in Turkmenistan. The company acts in Nigeria, has a representative office in the Republic of Sudan and a branch office in Turkmenistan.





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GROUP

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Realization of EPC-projects is conducted along with successful cooperation of the company with large-scale foreign manufacturers and suppliers, such as MINCO, Vibro-Meter, DWYER

Instruments Inc., Honeywell, Rosemount, DYNALCO, Siemens, SOR, GE, Kryopak Inc., CVA Inc., SJEC, Dresser Rand, Woodward, MTU Berlin-Maintenance GmbH, etc.

«ROSDIAGNOSTIKA» CJSC services are introduced in the following countries:



Turkmenistan



Republic of Kazakhstan



Republic of Kyrgyz



People's Republic of China



Republic of Sudan



Republic of Ghana



Federal Republic
of Nigeria



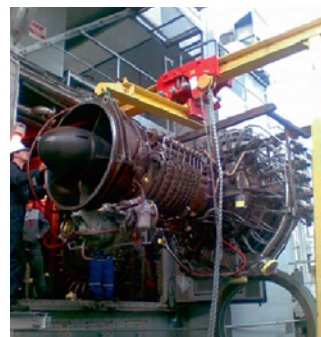
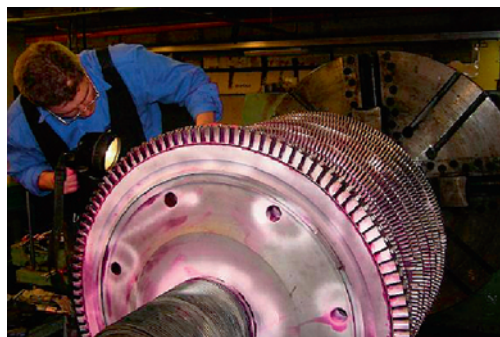
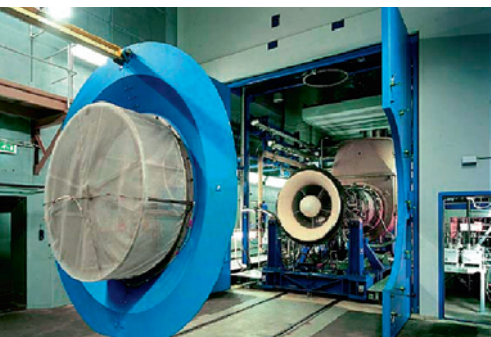
Former Yugoslav Republic
of Macedonia

Examples of performed works

State Concern «Turkmengaz»	Project development and execution of complex modernization on a «turnkey» basis of system of automat aggregate equipment on a GPA 3.1 booster compressor station BCS-2 Dovletabad	
Tukmenbashi Oil Refineries Complex	Feasibility study and preliminary design plan of vacuum column for TNPZ	<p>Презентация 2009 г.</p> <p>Проектирование и строительство установки вакуумной перегонки мазута (ВТ №3) мощностью 2,0 млн. т/год на Туркменбашиском КНПЗ.</p>  <p>Группа «РОСДИАГНОСТИКА»</p>
National Electricity Corporation, Ministry of Electricity and dams, Sudanese Electricity Transmission Company, Republic of Sudan	Sketch project and preliminary construction plan of HV line of 220 kV, «Al-Fula -Al-Fasher» and «Al-Fula –Al Nuhud» 560 km and 5 substations	
White Nile Sugar Company, Kenana Sugar Co. Ltd.	The development of pre-project documentation for the project of Waste Treatment Plant	
White Nile Sugar Co. Ltd., Orion Group Ltd.	Development of sketch plan of a sewage system and waste treatment project for small residential areas	
Ministry of Power, Power Holding Company of Nigeria PLC	Feasibility study and sketch construction plan of HV line 330 kV «Kano-Darazo-Dutse-Gombe» 470 km and 4 substations	
Tema Oil Refinery (TOR) Ltd.	Feasibility study, sketch plan and pre-project of loading gantries construction	

3.2

REPAIR, MODERNIZATION AND CONSTRUCTION OF TURBINES



One kind of «ROSDIAGNOSTIKA» group activity is repair, installation and setting-up of electric power plant equipment. The enterprise performs works on heat and power plants in Russia and the CIS.

«ROSDIAGNOSTIKA» group performs the following:

1. Preparation and execution of all types repair works of main and supplemental power equipment: turbines, boilers, pumps, heaters on heat-and hydro plants.
2. Special rehabilitation services of power equipment:
 - improving the reliability of turbo generating set, resources, improving operation quality and repair ability, special types of repair works;
 - replacement blades for rotors of any design made by different manufactures on site;
 - rotors' junctions examination, elimination of defects, refinement of holes in a half-coupling, installation of special easily removable bolts;
 - Restore of leak tightness in plug-and-socket of LPC, bearing housings, flanges of steam pipes and other turbine units;
 - preparation works and control of a central holes of a rotor;
 - assessment of the oscillating state of electric power plant equipment with analyses of examination results, recommendations and vibro-adjusting;
 - overpriming of turbines and pumps bearings, mechanical treatment, polishing according to a size, grinding of a bullet;
 - Production of necessary parts by in-house fabrication and in cooperation with turbine construction plants.



High qualified expert staff of «ROSDIAGNOSTIKA» CJSC has a wide experience of technical service and repair works in energy power equipment field of Russian and foreign made.

Licenses and certifications

Саморегулируемая организация, основанная на членстве лиц, осуществляющих строительство
НЕКОММЕРЧЕСКОЕ ПАРТНЕРСТВО
«Балтийский строительный комплекс»
190103, г. Санкт-Петербург, Ревский пр., дом 3, литер В, info@baltstroy.ru
Регистрационный номер в государственном реестре саморегулируемых организаций
СРО-С-010-28052009

г. Санкт-Петербург «28» июля 2011 г.

СВИДЕТЕЛЬСТВО

о допуске к определенному виду или видам работ, которые оказывают влияние на безопасность объектов капитального строительства

№ 1433.02-2011-7842311472-С-010

Выдано члену саморегулируемой организации:
Закрытому акционерному обществу «РОСДИАГНОСТИКА»,
ИНН 7842311472, ОГРН 1057810110588, 191040, Транспортный пер., д. 12, лит. А, пом. 1401, г. Санкт-Петербург.

Основание выдачи Свидетельства: Решение Совета некоммерческого партнерства «Балтийский строительный комплекс», протокол № 232-СП/С/11 от «28» июля 2011 года.

Настоящим Свидетельством подтверждается допуск к работам, указанным в приложении к настоящему Свидетельству, которые оказывают влияние на безопасность объектов капитального строительства.

Начало действия с «28» июля 2011 г.

Свидетельство без приложения недействительно.

Свидетельство действительно без ограничения срока и территории его действия.

Свидетельство выдано взамен ранее выданного № 1433-2010-7842311472-01

Первый зам. директора (подпись) Серов В.А.
фамилия, инициалы

0273458

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ПРИЛОЖЕНИЕ

к Свидетельству о допуске к определенному виду или видам работ, которые оказывают влияние на безопасность объектов капитального строительства от «28» июля 2011 г. № 1433.02-2011-7842311472-С-010

виды работ, которые оказывают влияние на безопасность объектов капитального строительства и о допуске к которым член Некоммерческого партнерства «Балтийский строительный комплекс» Закрытое акционерное общество «РОСДИАГНОСТИКА» имеет Свидетельство

№	Наименование вида работ	Отметка о допуске к видам работ, которые оказывают влияние на безопасность особо опасных и технически сложных объектов, а также уникальных объектов, предусмотренных статьей 48.1 Градостроительного кодекса Российской Федерации
1.	Земляные работы 3.1. Механизированная разработка грунта* 3.5. Уплотнение грунта катками, грунтоуплотняющими машинами или тяжелыми трамбовками* 3.6. Механизированное расчистку и разработка вечномёрзлых грунтов	Есть. Есть. Нет.
2.	5. Свайные работы. Закрепление грунтов 5.8. Работы по возведению сооружений способом "стена в грунте".	Нет.
3.	6. Устройство бетонных и железобетонных монолитных конструкций 6.1. Опалубочные работы 6.2. Арматурные работы 6.3. Устройство монолитных бетонных и железобетонных конструкций	Нет. Нет. Нет.
4.	7. Монтаж сборных бетонных и железобетонных конструкций 7.1. Монтаж фундаментов и конструкций подземной части зданий и сооружений 7.2. Монтаж элементов конструкций надземной части зданий и сооружений, в том числе колонны, ригели, фермы, балки, плиты, пояса, панелей стен и перегородок	Нет. Нет.
5.	10. Монтаж металлических конструкций 10.1. Монтаж, установка и демонтаж конструктивных элементов и ограждающих конструкций зданий и сооружений	Нет.
6.	12. Защита строительных конструкций, трубопроводов и оборудования (борны магистральных и промысловых трубопроводов) 12.9. Гидроизоляция строительных конструкций 12.11. Работы по теплоизоляции трубопроводов* 12.12. Работы по теплоизоляции трубопроводов*	Нет. Есть. Есть.
7.	16. Устройство наружных сетей водопровода 16.4. Очистка колодез и испытание трубопроводов водопровода	Нет.
8.	17. Устройство наружных сетей канализации 17.1. Укладка трубопроводов канализационных безнапорных 17.2. Укладка трубопроводов канализационных напорных	Нет. Нет.

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3

ПРИЛОЖЕНИЕ

17.3. Монтаж и демонтаж запорной арматуры и оборудования канализационных сетей	Нет.
17.4. Устройство канализационных и водосточных колодез	Нет.
9. 18. Устройство наружных сетей теплоснабжения 18.1. Укладка трубопроводов теплоснабжения с температурой теплоносителя до 115 градусов Цельсия 18.2. Укладка трубопроводов теплоснабжения с температурой теплоносителя 115 градусов Цельсия и выше 18.3. Монтаж и демонтаж запорной арматуры и оборудования сетей теплоснабжения 18.4. Устройство колодез и камер сетей теплоснабжения 18.5. Очистка колодез и испытание трубопроводов теплоснабжения	Нет. Нет. Нет. Нет. Нет.
10. 20. Устройство наружных электрических сетей и линий связи 20.10. Монтаж и демонтаж трансформаторных подстанций и линейного электрооборудования напряжением до 35 кВ включительно 20.11. Монтаж и демонтаж трансформаторных подстанций и линейного электрооборудования напряжением свыше 35 кВ	Нет. Нет.
11. 23. Монтажные работы 23.18. Монтаж оборудования гидроэлектрических станций и иных гидротехнических сооружений 23.33. Монтаж оборудования сооружений связи*	Нет. Нет. Есть.
12. 24. Пусконаладочные работы 24.7. Пусконаладочные работы автоматики в электроснабжении* 24.9. Пусконаладочные работы электрических машин и электроприводов 24.15. Пусконаладочные работы автоматических станочных линий 24.16. Пусконаладочные работы станков металлообрабатывающих многоцелевых с ЧПУ 24.19. Пусконаладочные работы компрессорных установок 24.29. Пусконаладочные работы сооружений водоснабжения 24.30. Пусконаладочные работы сооружений канализации	Есть. Нет. Нет. Нет. Нет. Нет. Нет. Нет.
13. 26. Устройство железнодорожных и трамвайных путей 26.5. Монтаж сигнализации, централизации и блокировки железных дорог	Нет.

нраве заключать договоры по осуществлению организации работ, стоимость которых по одному договору не превышает (составляет)

Первый зам. директора (подпись) Серов В.А.
фамилия, инициалы

0273460

CRO Certificate № 1433.02-2011-7842311472-С-010
«On permission to the works effecting the infrastructure safety»



Examples of performed works

State Concern «Turkmengaz»	Modernization of automat aggregate system GPA 1, 2, 3 on the basis of GTE GE LM 2500
«Gazprom» OJSC	Participation in the construction of BCS on the basis of GPA, «Neva-16»
«Novoryazanskaya CHP» LLC	General overhaul of turbine with generator № 8
	General overhaul of turbine with generator № 9
	General overhaul of turbine with generator № 2
	General overhaul of turbine with generator № 7
	Repair of turbine with generator
	General overhaul turbine with generator № 1
	Repair of half-coupling of turbine № 3 with the generator
«Surgutneftegas» OJSC	Technical maintenance, repair, technical NDT of GTE SGT-200 «Siemens»
«Novoryazanskaya CHP» LLC	General overhaul of turbines
«Tulenergo remont» OJSC	Repair works of turbine
«Murmanskaya CHP» OJSC	General overhaul of turbine generator

3.3

CONSTRUCTION, RECONSTRUCTION, MODERNIZATION AND ALL KINDS OF REPAIR WORKS OF HEAT-AND-POWER ENGINEERING COMPLEX AND GAS SECTOR

«ROSDIAGNOSTIKA» CJSC performs work on construction, reconstruction, modernization and all types of repair operations on heat energy facilities and gas supply facilities, as well as commissioning and performance. In the list of works carried out in industrial energy field are presented not only construction, repair, installation and commissioning of heat power equipment of boilers, kilns, drying kiln and drying installations of various types and applications, but also development, designing of new heat producing and heat transforming equipment.

«ROSDIAGNOSTIKA» CJSC is working on Boilers and Heating Power Plants all over the Russia and former Soviet Republics.

The «ROSDIAGNOSTIKA» group performs the following:

- All kinds of repairs of main and supplemental equipment: boilers, heat generators, pumps, heaters, coolers, deaerators, expanders, evaporators and etc.;
- Special rehabilitation services;
- Boiler aggregate reliabilization, resource expansion, improvement its operational qualities and repair ability, special types of maintenance.



The staff of «ROSDIAGNOSTIKA» CJSC has high qualification and experience of technical maintenance and repair of energy equipment of Russian and foreign made.



ROSDIAGNOSTIKA
GROUP

SERVICES

Licenses and certifications

Саморегулируемая организация, основанная на членстве лиц, осуществляющих строительство

НЕКОММЕРЧЕСКОЕ ПАРТНЕРСТВО
«Балтийский строительный комплекс»
190103, г. Санкт-Петербург, Рижский пр., дом 3, литер В, info@baltstroi.ru
Регистрационный номер в государственном реестре саморегулируемых организаций
СРО-С-010-28052009

г. Санкт-Петербург «28» июля 2011 г.

СВИДЕТЕЛЬСТВО
о допуске к определенному виду или видам работ, которые оказывают влияние на
безопасность объектов капитального строительства
№ 1433.02-2011-7842311472-С-010

Выдано члену саморегулируемой организации:
Закрытому акционерному обществу «РОСДИАГНОСТИКА»,
ИНН 7842311472, ОГРН 105781010588, 191040, Транспортный пер., д. 12, лит. А, пом. 1401, г. Санкт-Петербург.

Основание выдачи Свидетельства: Решение Совета некоммерческого партнерства
«Балтийский строительный комплекс», протокол № 232-СП/С/11 от «28» июля 2011 года.

Настоящим Свидетельством подтверждается допуск к работам, указанным в приложении к настоящему
Свидетельству, которые оказывают влияние на безопасность объектов капитального строительства.

Начало действия с «28» июля 2011 г.

Свидетельство без приложения недействительно.

Свидетельство действительно без ограничения срока и территории его действия.

Свидетельство выдано взамен ранее выданного № 1433-2010-7842311472-01

Первый зам. директора (подпись) Серов В.А.
фамилия, инициалы

0273458

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ПРИЛОЖЕНИЕ

к Свидетельству о допуске к
определенному виду или видам работ,
которые оказывают влияние на безопасность
объектов капитального строительства
от «28» июля 2011 г.
№ 1433.02-2011-7842311472-С-010

виды работ, которые оказывают влияние на безопасность объектов
капитального строительства и о допуске к которым член
Некоммерческого партнерства «Балтийский строительный комплекс»
Закрытое акционерное общество «РОСДИАГНОСТИКА» имеет
Свидетельство

№	Наименование вида работ	Отметка о допуске к видам работ, которые оказывают влияние на безопасность особо опасных и технически сложных объектов, а также уникальных объектов, преду- смотренных статьей 48.1 Градостроительного кодекса Российской Федерации
1.	3. Земляные работы 3.1. Механизированная разработка грунта* 3.2. Удаление грунта катками, грунтоуплотняющими машинами или тяжелыми тракторами* 3.6. Механизированное рытье и разработка вечномёрзлых грунтов	Есть, Есть, Нет.
2.	5. Свайные работы. Закрепление грунтов 5.8. Работы по извлечению сооружений способом "стена в грунт".	Нет.
3.	6. Устройство бетонных и железобетонных монолитных конструкций 6.1. Опалубочные работы 6.2. Арматурные работы 6.3. Устройство монолитных бетонных и железобетонных конструкций	Нет, Нет, Нет.
4.	7. Монтаж сборных бетонных и железобетонных конструкций 7.1. Монтаж фундаментов и конструкций подземной части зданий и сооружений 7.2. Монтаж элементов конструкций надземной части зданий и сооружений, в том числе вальнов, рам, ригелей, ферм, балок, плит, полов, панелей стен и перегородок	Нет, Нет.
5.	10. Монтаж металлических конструкций 10.1. Монтаж, усиление и демонтаж конструктивных элементов и соединяющих конструкций зданий и сооружений	Нет.
6.	12. Защита строительных конструкций, трубопроводов и оборудования (кроме магистральных и промышленных трубопроводов) 12.9. Гидроизоляция строительных конструкций 12.11. Работы по теплоизоляции трубопроводов*	Нет, Есть.
7.	16. Устройство наружных сетей водопровода 16.4. Очистка полости и испытание трубопроводов водопровода	Нет.
8.	17. Устройство наружных сетей канализации 17.1. Укладка трубопроводов канализационных безнапорных 17.2. Укладка трубопроводов канализационных напорных	Нет, Нет, 0273459

3

ПРИЛОЖЕНИЕ

17.3. Монтаж и демонтаж запорной арматуры и оборудования канализационных сетей	Нет.
17.4. Устройство канализационных и водосточных колодцев	Нет.
9. 18. Устройство наружных сетей теплоснабжения 18.1. Укладка трубопроводов теплоснабжения с температурой теплоносителя до 115 градусов Цельсия 18.2. Укладка трубопроводов теплоснабжения с температурой теплоносителя 115 градусов Цельсия и выше 18.3. Монтаж и демонтаж запорной арматуры и оборудования сетей теплоснабжения 18.4. Устройство колодцев и камер сетей теплоснабжения 18.5. Очистка полости и испытание трубопроводов теплоснабжения	Нет, Нет, Нет, Нет, Нет, Нет.
10. 20. Устройство наружных электрических сетей и линий связи 20.10. Монтаж и демонтаж трансформаторных подстанций и линейного электрооборудования напряжением до 35 кВ включительно 20.11. Монтаж и демонтаж трансформаторных подстанций и линейного электрооборудования напряжением свыше 35 кВ	Нет, Нет.
11. 23. Монтажные работы 23.18. Монтаж оборудования гидроэлектрических станций и иных гидротехнических сооружений 23.33. Монтаж оборудования сооружений связи*	Нет, Есть.
12. 24. Пусконаладочные работы 24.7. Пусконаладочные работы автоматики в электроснабжении* 24.9. Пусконаладочные работы электрических машин и электропроводов 24.13. Пусконаладочные работы автоматических станочных линий 24.16. Пусконаладочные работы станков металлообрабатывающих с ЧПУ 24.19. Пусконаладочные работы компрессорных установок 24.29. Пусконаладочные работы сооружений водоснабжения 24.30. Пусконаладочные работы сооружений канализации	Есть, Нет, Нет, Нет, Нет, Нет, Нет.
13. 26. Устройство железнодорожных и трамвайных путей 26.5. Монтаж сигнализации, централизации и блокировки железных дорог	Нет.

нельзя заключать договоры по осуществлению организации работ, стоимость которых по одному договору не
превышает (составляет)

Первый зам. директора (подпись) Серов В.А.
фамилия, инициалы

0273460

Examples of performed works

Saint-Petersburg Government Committee on Energy and Engineering Assurance	Reconstruction of a CHDS
Saint-Petersburg Government Committee on Energy and Engineering Assurance	Reconstruction of a gas boiler basement
«FEC SPb» SUE	DKVr series boilers modernization (design and survey works, construction and installation operations)
«FEC SPb» SUE	Modernization of water supply pipelines schemes
«FEC SPb» SUE	Installation of chemical-technological processing scheme and preservation of boilers
«FEC SPb» SUE	Replacing a supply tank to a supply deaerator
«FEC SPb» SUE	Modernization of DKVr series boilers (design and survey works, construction and installation operations)
«FEC SPb» SUE	Installing of laminose heat exchangers and filters
«FEC SPb» SUE	Repair of heat mechanical equipment
«FEC SPb» SUE	Complete replacement and reconstruction of TMF
«FEC SPb» SUE	Conducting of the commissioning operations under the load of CHDS

3.4

PROCUREMENT AND COMPLETE EQUIPMENT

Experience of «ROSDIAGNOSTIKA» CJSC on large and complex objects gave us an opportunity to create close partnerships with many leading foreign and Russian manufacturers and suppliers of equipment and components for energy facilities, petrochemical, oil refining and gas processing industries, and to optimize the logistic structure of necessary equipment and parts for industrial objects. All equipment and materials have a full set of documentation and certificates of compliance.

Continual monitoring of market of new equipment manufacturers, participation in the tens of tenders provide with optimal solutions for the price-quality-terms balance. The staff of high qualification specialists is a resource which allows the company to perform services for partner and external organizations.

Taking into account particular characteristics of each object and individual request of customers, our experts will select the best variant of equipment list, provide with the full range of services beginning from order procedure till delivery of the products of Russian and foreign manufacturers.

Our company offers the equipment of world famous manufacturers which can meet the requirements of the most demanding customers.

A list of some on-delivery equipment:

- Fuel metering of a valves;
- Pressure sensors;
- Temperature converters;
- Temperature relays;
- Transducer modules;
- Fire-warning detectors;
- Ice and fire detectors;
- Boiler equipment.

«ROSDIAGNOSTIKA» CJSC is a well-known qualified partner of «Woodward CIS» LLC in Russia and in the CIS. Also it has strong relationships with companies such as Honeywell, Rosemount, Bently Nevada, Siemens, Vibrometer, MINCO, Static-O-Ring, AMOT, Orange Research, DWEYR, Ashcroft, DYNALCO, Omniguagd and many other manufacturers and suppliers.

Examples of performed works

State Concern «Turkmengaz»	Delivery of equipment for automated control system of gas transferring units, delivery of detector equipment, and equipment for fuel control system
«Liga» LLC	Supply of boiler-turbine equipment
«Europroject» LLC	Delivery of elevator equipment of «OTIS Elevator» company
«Profiservice» LLC	Delivery of elevator equipment of 30 sets
«Alnair-2011» LLP	Supply of Woodward equipment
«NET» CJSC	Delivery of automotive equipment

3.5

MULTIPURPOSE EXAMINATION OF HEATING SYSTEM



Multipurpose technical diagnostics enables to evaluate the full picture of heating main and includes the following procedures:

● Ultrasonic wave guiding control (Wavemaker G3)

Wavemaker G3 system is based on the principle of ultrasonic guided waves spreading, in terms of NDT purposes it enables to assess defective parts of pipelines that may be influenced by corrosion damage, as well as parts which need to be repaired in order to prevent accidents and heat loss.

70% of accidents on heating mains occur in heat chambers (HC). The Wavemaker system is the only one that allows quickly and efficiently conducts diagnostic works in the HC without shutting down of the pipelines and without major excavation works.

Result:

- Identification of a detailed picture of pipeline state in HC with an 95% accuracy up to several tens of meters in both directions;
- Identification of defective pipeline sections with significant breakages;
- Detecting the facts of conducted works which remained ink on paper;
- Identification of defective pipeline sections with critical breakages that needs to be repaired to prevent accidents and heat losses.

● Thermal imaging control

Thermal imaging NDT of heating main means its examination in the infrared spectrum and which make possible to see a «heat picture». The method is based on distance measurements and registration by thermal imager of temperature field of the examined heating main part.

The method enables, by converting the measured temperature differential to estimate the state heating main's part, to identify defects in it – leak places and possible insulation puncture of the pipeline – to determine the degree of their progress. That kind of NDT is an objective, economical, informative and convenient.

Result:

- Objects control without the shutting down and without any effect;
- Determine the presence of leaks in heating mains roads and preconditions of their appearance by air thermal imaging survey;
- Localization the parts of heating mains with the most significant losses of heat;
- Reducing the costs of technical survey and identification of defects.



● Insulation monitoring

The integrity of pipes insulation along the buried section not located in the channel can be examined by a set of electric measurements.

Result:

- Identification of damaged heat and hydro insulation area to prevent the pipe from further external corrosion damages;
- Determination of the damaged point location with accuracy 2–5 m for recovery purposes;
- Effectiveness in power losses and accident risk reduction.

● Route location of heat-conducting network

Route location of heat-conducting network is performed by means of underground-line locator system.

Result:

- Identification of the exact location of existing pipelines and illegal connections.

● **Calculations** for determining the strength characteristics and issue recommendations on extending of the safe operation period.

- According to the results of the multipurpose examination and data processing the Technical report on multipurpose examination is issued, which gives a full picture of heat pipe network condition with indication of its safe operation terms;
- Monitoring program of the technical condition parameters with a list of reparative procedures are developed;
- Detection of the facts of conducted works which remained ink on paper.

Multipurpose examination of technical condition of heating system pipelines makes it possible to reduce heat loss during the heating season.

The economic effect during multipurpose examination is about 10%.

Licenses:



License issued by the Federal Service for Ecological, Technical and Nuclear Supervision № DE-00-007421 (K) on Industrial Safety Assessment of the under pressure operating equipment, heat installations and network



Certificate of Guided Ultrasonic LTD Wavemaker Pipe Screening System

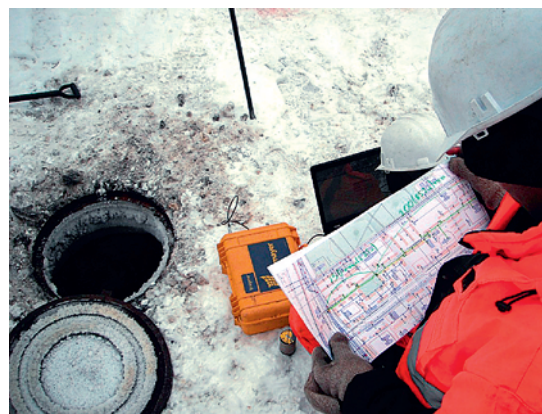


Examples of performed works

«SET» LLC, «Teploset' of St. Petersburg» OJSC	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
«PROMDIAGNOSTIKA-Petrozavodsk» CJSC	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
«Vodokanal St. Petersburg» SUE	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
«TEK SPb» SUE, Kronstadt city	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
«Vologdagorteploset» MUE, Vologda city	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
«Territorial generating company № 9» OJSC, Perm city	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
«Territorial generating company № 9» OJSC, Yekaterinburg city	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
«Vilnius energija» UAB, Lithuania, Vilnius	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
RMC «Vector» CJSC, Moscow	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System
«TEKOS» SO ETC, Murmansk city	Complex technical diagnostics of heating pipelines sections with the use of Wavemaker System

3.6

MULTIPURPOSE EXAMINATION OF WATER SUPPLY SYSTEM



«Novye ekspertnyeologii» CJSC provides different works in water supply system screening. The services are performed both on water mains and on separate parts of water pipelines. Our specialists carry out operations for searching a leak, zonal measurements, assessment of technical condition, and route location of water supply pipelines.

NDT of technical condition of water supply systems is conducted with the use of unique technologies and the most advanced measurement and diagnostic equipment.

A water supply network multipurpose method of examination and NDT includes:

- Zonal measurement;
- Search for hidden leaks and illegal connections;
- Search for underestimated individual consumers;
- Assessment of technical condition of water supply systems;
- Route location of water supply network;
- Collecting and analysis of technical documentation.

Zonal measurement:

Measuring consumption and pressure on certain sections of the network.

Result:

- Water balance compilation;
- Assessment of the amount of hidden leaks and unrecorded losses;
- Monitoring of trends in the hidden leaks and unrecorded losses;
- Identification of areas with the most unfavorable operating conditions and poor condition of the network;
- Monitoring of efficiency of consumers' record-keeping of water use

Search for hidden leaks and illegal connections:

We apply acoustics and correlative methods to identify location of breakages (hole, detachment and fracture) or connection to the pipeline.

Result:

Identification of the exact location of a breakage or connection to the pipeline.



Search for underestimated individual consumers:

To identify such consumers a measuring chamber (one or several) is mounted in the supply terminal. Then an amount of water consumption by the consumer is measured. Measurement period is from one day. The results are analyzed – water consumption per a time unit is identified and then the results are compared with water consumption in a base period.

Result:

- Assessment of water amount used by a single consumer.

Technical condition assessment of water supply pipelines:

Visual and measuring control, assessment of the residual metal thickness (thickness measurement), assessment of insulation, assessment of the quality of welds, defect identification.

Result:

- Assessment of actual condition of water pipeline, the degree of damage, strained state and the provision of data in order to determine the remaining operation life of water supply pipelines.

Route location of water supply systems:

Trace the water supply network is performed by means of underground-line locator system.

Result:

- Finding out of lost wells and previously unknown connections to the pipelines;
- Identification of the exact location of existing water network.

Collecting and analysis of technical documentation:

- Collecting of project, executive and operation documentation;
- Analyses of consumer base;
- Updating of water supply system;
- Analyses of all types of work preformed;
- Planning of necessary works on screening and diagnostics of water supply network.



**Certificate of membership
in the Russian Association of Water Supply
and Drainage Systems**



**Certificate on compliance
of management quality of «NET» CJSC with
the requirements of ISO 9001:2008**

Examples of performed works

«Vodokanal of St. Petersburg»	Multipurpose screening of water supply network
«Remont i stroitelstvo setei «PR and SS» CJSC	Technical diagnosis of underground steel pipeline
Federal State Unitary Company «General Office of special construction on the territory of North-West Federal District attached to Federal Agency for Special Construction» (Federal State Unitary Enterprise GUSST number 3 attached to the Special Construction Agency in Russia)	Diagnosis of two parts of underground pipeline
«18 Navy arsenal» OJSC	Multipurpose screening of water supply system
«Prommonolit-Invest» LLC	Detection of leaks on underground pipeline
«Sport base» FC «Zenith» CJSC	Route localization of water supply pipeline

4

NONDESTRUCTIVE TESTING



4.1

EXAMINATION OF PIPELINES CROSSINGS UNDER ROADWAYS, OVER WATER BARRIERS AND AERIAL CROSSINGS

The most difficult is examination and diagnostic of all types of pipelines crossings under roadways, over water barriers and aerial crossings.

- Examination with use of Wavemaker G3 system is based on the principle of guided waves spreading and enables to carry out screening from the place of transducer ring installation in both directions. The range of control comes up to 120 meters in each direction. Wavemaker is the only system which enables one to quickly and qualitatively conduct diagnostic works in HC without shutting down the pipeline and large-scale excavation works
- Ultrasonic technology system of Wavemaker is applied to find out defects with decreasing cross sectional area of a pipe in a pipeline. The following defects should be detected: general corrosion, pitting corrosion, corrosion of bearings, ring crack, longitudinal split. Defects are fixed with 10% and more loss of cross-section area of pipe. Defect spreading is identified in circle. The spreading of defect is measured along the pipe axis. Identification of defect direction is possible: horizontal - vertical.

Licenses:



Certificate of Guided Ultrasonic LTD Wavemaker Pipe Screening System



ROSDIAGNOSTIKA
GROUP

SERVICES



License issued by the Federal Service for Ecological, Technical and Nuclear Supervision
№ DE-00-007421 (K) on the Industrial Safety Assessment of under pressure operating
equipment, heat installations and networks



License issued by the Federal Service for Ecological, Technical and Nuclear Supervision
№ DE-00-007430 (DC) on the Industrial Safety Assessment of technical devices
for hazardous production facilities

Examples of performed works

«Norilskgasprom» OJSC, Norilsk city	Automatic control of air crossings of gas main by the Wavemaker system
«NDT» CJSC ISTC, Perm city (Yaivinskaya RPS)	NDT of buried DN 426 * 7 gas pipeline crossing under railway by the Wavemaker ultrasound system
«Lengaz-Ekspluataziya» OJSC	Complex technical diagnostics of condition of gas pipelines' sections by using the Wavemaker system
«Moscow Teplosetevaya Company» OJSC	Complex technical diagnostics of conditions of heat pipelines' sections under the ground by using the Wavemaker system

4.2

ENERGY EXAMINATION (ENERGY AUDIT) OF ENTERPRISES WITH DEVELOPMENT OF ENERGY PASSPORTS. ENERGY SERVICE



Energy examination or energy audit – is an examination of energy facilities to identify its energy efficiency, to determine measures to improve and realize it, including data collecting, instrumental examination, information analysis and recommendations **for energy saving**.

According to the Federal Law № 261 on 23.11.09 «On energy saving and improvement of energy efficiency and amending of certain legislative acts of the Russian Federation» the following categories are to take obligatory energy examination before the 31st of December 2010 and after at least 1 time in 5 years:

- Public authorities, local government bodies, vested with rights of juridical person;
- Organization with participation of the state or municipality;
- Organizations engaged in regulated activities;
- Organizations engaged in production and transportation of water, natural gas, heat energy, electricity energy, natural gas, oil, coal, petroleum products, processing of natural gas, oil and oil products;
- Organization with the total annual cost of energy consumption more than 10 million rubles;
- Organization engaged in the field of energy saving and improvement of energy efficiency at the expense of budget of any level.

Energy examination is aimed at:

- obtaining objective data on the volume of energy resources used;
- assessment of energy efficiency indicators;
- assessment of energy saving potential and improvement of energy efficiency;
- development of a list of standard, public events for energy saving and improvement of energy efficiency and conduction of their valuation.

TYPES OF ENERGY AUDIT

Classification based on frequency

- Primary;
- Regular;
- Extraordinary;
- Pre-operational.

Classification based on works

- express-audit;
- full instrumental examination;
- multipurpose examination;
- examination of technological processes.

To conduct energy examination according to the Russian legislation a legal body or individual businessmen must be signed in self-regulated organizations in the field of energy examinations. «ROSDIAGNOSTIKA» CJSC is a member of "Nonprofit Partnership "Union Energy Audit" (№ CEA-0054) self-regulated organization since 2010, what gives company the right to conduct this type of works.

«ROSDIAGNOSTIKA» CJSC carries out energy examinations of various objects of electricity and heat energy, industrial and municipal enterprises, administrative buildings, apartment blocks and boilers in Russian Federation. According to the results of energy examination our specialists issue the energy passport and endorse it in the State Energy Supervision.

Energy passport – is a regulated standard document with the information about actual and normative indicators of energy efficiency.

Energy audit is conducted by the specialists of high qualification, who have wide experience in this field and are certified in the RIER system. The company has modern technical equipment, methodologies based on audit types and standards regulating order of energy audit operations.

STAGES OF WORK

Documents collecting

- Meeting and discussion of the efficiency of energy facilities with the head of an enterprise; organization or an institution;
- Collecting of basic information about the facility;
- Collecting of technical information.

Facility examination

- Products processing system (raw materials);
- Heating and hot water supply systems;
- Electric installations;
- Water supply and sewerage systems;
- Conditioning and ventilation systems;
- Information of instrumental accounting of energy materials and energy forms (error of metering systems, calibration and certification);
- Development of the autumn-winter period preparation program with a list of administrative and technical measures

Analysis of information

- analysis of regulatory actions of energy resources consumption;
- drafting of total fuel-energy balance;
- comparative analysis of specific consumption with basic one of each object and for certain types of energy;
- assessment of energy efficiency of production based on energy passports;
- identification of unfavorable facilities in terms of efficiency of energy use.

Development of measures on energy efficiency

- Calculation of potential annual savings physical and monetary terms;
- Determination of the equipment necessary for implementation of the recommendations, its approximate price, delivery, installation and commissioning costs;
- Consideration of all possibilities to reduce costs, such as manufacturing and installation of the equipment operated by the enterprise, organizations or institution itself;
- determination of possible side effects linked with implementation of the recommendations, which effect on real economic efficiency.

The results are the following

- technical report on energy examination;
- recommendations for improving effectiveness of fuel-and-power resources use and reducing energy supply costs;
- energy passport

Basis of the implementation of works:

- Russian Federation Federal Law of November 23, 2009 N 261-FZ «On energy saving and improvement of energy efficiency and amending of certain legislative acts of the Russian Federation»;
- Russian Federation Government Decree №340 on May 15, 2010 «On establishing order of requirements to programs in the sphere of energy saving and improvement of energy efficiency of organizations, performing regulated business activity»;
- Russian Federation Government Decree №18 on January 25, 2011 «The rules of establishing order of requirements of energy saving for building, construction and facilities»;
- Government Decree № 832 of July 8, 1997 «On improvement of efficiency of energy and water resources use on enterprises, institutions and budget sphere organizations»;
- Order of Ministry of Energy № 182 on April 19, 2010 «Energy passport of fuel and energy resources consumer».
- Regulating documents of Federal Tariffs Service and subordinate legislation.

Licenses:



Certification № SEA-0054 on membership in the SRO NP «Soyuz Energy Audit», which gives a right to conduct works on energy audit on Russian Federation territory

Examples of performed works

«INTER RAO UES» OJSC Branch of «North-West CHPP»	Feasibility Study of heat pumps and recuperators use
«Alpina SPb» LLC	Energy examination of boilers of SUE "TEK SPb" 200 facilities
«Fuel oil and fuel Terminal» LLC on Izhora Plants	Energy examination of fuel oil facilities
«Agency of energy efficiency and resources saving» CJSC of Vnesheconombank	Assessment of energy efficiency decision on PPF installation, adopted in the Basic and Detailed projects; the object is the «Omsk plant of polypropylene»
Ministry of Energy and Utilities of Murmansk region	Energy examination of boilers in «Severomorsk heating system» MUE. 8 facilities
«Agency of energy efficiency and resources saving» CJSC of Vnesheconombank	Assessment of the necessity and efficiency of installing of a block-container power plant for the «Concord» food plant

Implementation of energy efficiency plans (EEP)

«ROSDIANOSTIKA» CJSC developed energy efficiency measures and possesses its own «know how». Our company by using its own resources and involving subcontract organizations perform such services as:

- Design, installation and commissioning of metering units (commercial, technical) of water, fuel and heat energy;
- Design, installation and commissioning of heat exchangers;
- Design, installation and commissioning of heat pumps;
- Reconstruction and modernization of boiler houses;
- Substitution of incandescent lamps with energy-saving bulbs;
- Implementation of frequency regulation on pump drives and drag-blasting devices.

«ROSDIAGNOSTIKA» CJSC pays great attention to the processing and usage of organic waste generated in the process of forest and wood processing, agricultural production, as well as a result of activity of transport and other enterprises. The task is to involve wastes for generating heat and electrical energy, liquid and gaseous fuels – that will make the environment cleaner, reduce costs of the production.

5

MAINTENANCE AND REPAIR OF PREMISES AND
FACILITIES
OF HOUSING AND MUNICIPAL SERVICES



5.1

REAL ESTATE MANAGEMENT AND MAINTENANCE BY «PROFISERVICE» LLC

At present «Profiservice» LLC managing and maintaining real estate facilities in Saint-Petersburg and Leningrad region. Among facilities in service there are both elite and economy class buildings, new constructed premises and buildings with long history. Since 2004, «Profiservice» LLC is a member of the Interregional Self-regulated Organization «Real Estate Managing and Maintaining Association» and since 2009 is a member of the Self-regulated Organization «Non-profit partnership of housing and municipal services enterprises «Housing complex».

«Profiservice» LLC participates in «Affordable Housing» State Program in terms of common property management of socially important buildings in Vsevolzhsk town of Leningrad region.

MAIN ACTIVITIES:

- Management of real estate facilities;
- Comprehensive maintenance of real estate facilities - operating, maintenance and repair of utilities and of buildings constructions;
- Sanitary maintenance of buildings and applications and near-by territories;
- Centralization of control and installation of door intercommunication system of an apartment blocks and its separate entrances;
- Legal assistance and consultation to Condominium Partnership and Housing Association Management;
- Participation in the commissioning of newly built real estate facilities.

OUR MOTTO: IF IT IS WORTH TO DO – IT IS WORTH TO DO VERY WELL!



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Licenses and certifications:



Certificate of admission to a particular kinds of works that influence the safety of major construction objects № 0057.02-2010-781333183-C-052



Certificate of admission to rendering of services on real estate management, including activity on objects operating and minor repairs of buildings and constructions

Examples of performed works

«Admiralteiskoe» Housing Association	Maintenance
«Bee Pitron» LLC	Maintenance
«Budapestskaya str., 27 / 1» Housing Association	Maintenance
«Veseliy poselok» Housing Association	Rent calculation
«Veseliy poselok» Housing Association	Maintenance
«Trade house «Vistoch» CJSC	Maintenance
«Mountain Club «Maunteks» LLC	Maintenance
Nursery 123 SECE	Maintenance
Nursery 123 SECE	Utilities and housing services
«Elizarovskaya» Housing Association	Maintenance
«ZHTK» OJSC	Maintenance
Babushkina str., 47 / 2	Management and maintenance
RC № 43	Maintenance
HCC № 142	Maintenance
HCC «Crystal»	Maintenance
HCC «Crystal»	Rent calculation
«Severnaya Venice» LLC	Maintenance
«Torgoviy Dvor» CJSC	Maintenance
«Zenith» Housing Association	Rent calculation
«Zenith» Housing Association	Maintenance
«Golden Kovsh» LLC	Utility services
«Cartush» LLC	Maintenance
«Cascade» LLC	Maintenance
«Lakhtinskaya – 4» Housing Association	Maintenance
«Mars» LLC	Maintenance
«Neva Zastava» LLC	Maintenance
«CZT» Leningrad region OJSC	Maintenance
«DEZiS-Petrorest» LLC	Maintenance
«Peter Dom» LLC	Maintenance



SERVICES

Corporation «Paragon Investments Ltd.»	Maintenance
«PeterStar» CJSC	Maintenance
«PiN Telecom» LLC	Maintenance
«ZST» OJSC	Maintenance
TKT Cable Television	Maintenance
«Tri plus Dva» Housing Association	Maintenance
IG «Triada» LLC	Maintenance
«Dom na Karpovka» Housing Association	Rent calculation
«Narodnaya – 1» Housing Association	Maintenance
«Okkervil – 1» Housing Association	Maintenance
«Popova, 18» Housing Association	Maintenance
«Popova, 18» Housing Association	Rent calculation
Federal State Unitary Enterprise PC JV	Indemnity of community charges
«Jantarniy Dom» Housing Association	Maintenance
Moskovsky Prospekt, 82	Management and maintenance
Engels Prospect, 136, bl. 1	Management and maintenance
Sovetskaya str., 18	Management and maintenance
Vosstaniya str., 55	Management and maintenance
2nd Sovetskaya str., 25	Management and maintenance
Radishcheva str., 42	Management and maintenance
Radishcheva str., 44	Management and maintenance
Vilensky Lane, 4	Management and maintenance
Nevsky district	Management and maintenance
Marata str., 40	Management and maintenance

5.2

INSTALLATION AND MODERNIZATION OF ELEVATORS



One kind of «ROSDIAGNOSTIKA» group activity is installation and modernization of elevators that is carried out by «Profiservice» LLC.

Installation of elevators is an important element of industrial-civil construction and highly demanded on new buildings. Installation of elevator equipment is one of the important parts of construction and can be carried out at different stages.

There are various methods of installation of elevator equipment, the most well-known are the following:

- **Step-by-step installation** – is the most labor intensive method, in this case elements of an elevator, the cab and shaft fortification that are sold on a manufacturer plant in a scattering form, directly brought to the site in the initial form and mounted. Disadvantages of this method are complicity, high labor and time intensity. On the other hand, if space where a load-lifting mechanism is to be installed is not of sufficient size for integrated installation of cabin and control equipment (low-rise buildings), only this method of elevator installing is available. The method is applied as well as in case of replacing of old elevators. Step-by-step installation in one form or another accompanies also installation by coarse blocks or tubings.
- **The method of installation by coarse blocks means** – to preliminary assemble parts of elevator equipment at the factory or on the installation base in coarse blocks in order to install them. Elevators installation by means of this method is accompanied by construction crane operation. This method of installation the most popular due to relatively small time spending and small energy consumption, but it is unavailable if spaces of shaft or openings are not big enough.

- **Method of tubing installation** – is possible only during construction operations of a building. The main principle of the method is that shaft, hoisting mechanism and cabins are equipped together at a factory in volume concrete elements – tubings that are installed later as one-piece constructions.

All of these methods vary by some operations with main elevator shaft. A method of installation is determined depending on the stage of construction, on customer requirements and on of the construction structure of the object itself.

The order of operations on elevator installation:

- Design of elevator shafts is the most important part of the whole process. Elevator shafts are some kind of basis for the most of elevators and require careful survey for the further design works;
- Survey of the construction object in order to select a certain method of elevator installation and its complete set;
- Purchase of elevator equipment;
- Construction of elevator shafts – is carried out on the base of existing project. If construction of a building is under process the elevator installation works can be executed simultaneously with main works. The main point in construction of elevator shafts is to ensure accuracy of the construction of certain elements, as well as systems of these elements. Shafts can base on building construction or on their special foundation. If necessary it is possible to build a separated shaft construction adjacent to the building;
- Comprehensive check of required size and reliability of elevator equipment;
- Check of the size of elevator shaft, absence of extraneous objects in the shaft, door openings;



- Installation works – profile works such as welding, electric mounting, fitter's work and, in fact, installation. Installation of any type of elevator equipment is carried along with observing of all prescribed rules, regulations and technologies. Main documents that are used in elevator installation are the project of elevator equipment and project of work operations, which include all the necessary accompanying documentation

A cost-effective way to restore and upgrade an elevator is modernization. By choosing this method a customer first of all reduces costs because construction of completed elevator is two and even three times more expensive than equipment for modernization.

Modernization of elevator – implies improving of safety and technical level of elevator to the level required by the Technical Regulation «On Elevators Safety». Modernization is carried out as well as during operation period, and at the end of the service period pointed out in elevator passport. If there is no information of its service life in the passport, it is determined as 25 years from the day of commissioning.

Modernization of the elevator out of service term is executed on the basis of expert conclusion of the Certification Body upon the results of elevator conformity assessment, according to paragraph 18 of the Technical Regulation «On Elevators Safety».

In the process of modernization of an elevator out of service term, the following elements are replaced:

- equipment of elevator control system, including cabinet unit with control equipment, equipment of position control system, peripheral devices, wiring for shaft, mechanical plant room and elevator cabin, aerial cables;
- winches of the main elevator drive;
- drive of elevator's cabin door;
- coupe of cabin assembled;
- shaft doors assembled;
- hauling cable of elevator and overspeed limiting cable, suspension parts;
- mechanical safety devices (speed limiter).

Modernization of in-service elevator, is carried out based on the expert conclusion of Certification Body upon the results of elevator conformity assessment, according to paragraph 19 of the Technical Regulation «On Elevators Safety».

Modernization is carried out according to the technical documentation that passed assessment for compliance with Technical Regulation «On Elevators Safety» in a certification authority with the corresponding area of accreditation. A necessary condition for executing modernization is to remove an elevator out of service, what is issued as a document. Upon the end of works a profile elevator organization that carried out modernization applies to an accredited testing laboratory with a request to conduct the full technical certification of the elevator. Then, based on its evidence and in case of positive results of full technical certification a specialized elevator organization issues a declaration of compliance of the elevator with Technical Regulation «On Elevators Safety». The compliance declaration is registered in the Certification Authority in the field of «confirmation of compliance of elevators, safety equipments of elevators produced for operation in Russian Federation». After that a reception is carried out by a specialized elevator organization that provides technical maintenance of the elevator and its commissioning. Acceptance of the elevator is recorded as a document.

Examples of performed works

Housing Committee of St. Petersburg	Modernization of elevators (24 units), Krasnoselsky District
Housing Committee of St. Petersburg	Modernization of elevators (22 units)
Administration of Primorsky District	Reconstruction of an elevator
«Elite Business Line» LLC	Production, supply, installation and commissioning of elevators (2 units)
Europroject	Elevator Installation (6 units)



PRODUCTION CAPACITY

«ROSDIAGNOSTIKA» CJSC was founded in 2005 and conduct business in accordance with Russian Federation Federal Law «On Industrial Safety of Hazardous Objects» N 116-FZ of July 21, 1997, which sets legal, economic and social framework to ensure safety operation on hazardous production objects and is aimed to prevent accidents at hazardous industrial objects and secure preparedness of organizations that operate hazardous industrial objects to bring under control and eliminate localization consequences of these accidents. The provisions of this Federal Law reach all organizations regardless of their business types and forms of property, which act in the field of industrial safety of production on hazardous production objects on Russian Federation territory.

According to the article 13, paragraph 2 of the Federal Law, «ROSDIAGNOSTIKA» CJSC received the corresponding licenses, obtained competence and status of an **Expert Organization**.

The staff of the organization is the experts who have high qualification in various industries, wide practical and research experience supported by academic titles and degrees that fully ensure conducting of assessments on:

- Industrial safety and NDT of chemical, petrochemical objects;
- Industrial safety and NDT of main gas and oil products pipelines;
- industrial safety and NDT of gas distribution facilities and gas consumption units;
- Industrial safety and NDT of atomic energy objects;
- Industrial safety and NDT of boiler inspection objects;
- Industrial safety and NDT of lifting constructions.

In the company structure the **NDT Laboratory** and the **Electrical laboratory** are founded. The **NDT Laboratory** is provided with high qualified staff and the most hi-tech equipment both of Russian and foreign made, including: line locator for detection of insulation breakages that





are able to operate under water, instruments to measure the distance to pipe's defect, ultrasonic inspection of metal and welds, Wavemaker G3, various flaw detectors, gas detectors, correlation devices to determine the location water leaks on buried pipes under pressure, Sound Sense system, hardware and software for measuring the electric characteristics of protection facilities of buried metal structures from electrochemical corrosion, determining oxygen content and the amount of combustible gas, etc. Some instruments and tools are unique what enables to operate with high quality and quickly.

Electrical laboratory is equipped with a standard for this kind of laboratory facilities, including a set of portable devices for testing and measuring in electrical set up to 1000 V and above, fully staffed and executed a comprehensive examination of the parameters of electric installations, measurement of parameters of electric power supply in the building, measurement of the electric parameters and resistance of wires and cables, resistance of grounded devices, functioning of protective disconnecting devices, etc.

For purposes to develop activities according to the requirements of the Russian Federation Federal Law N 184-FZ of December 27th, 2002 «On Technical Regulation» there was separated a direction on assessment of compliance and testing of elevators, which regulated by RF government-approved Technical Regulation «On Elevators Safety». The Technical Regulation was put into force since October 2010. According to the new document all elevators operating

on Russian Federation territory, are required to go through confirmation of compliance every year. To ensure the quality work in this field in the structure of «ROSDIAGNOSTIKA» CJSC there was established **Test Operation Center** and **Certification Body**. The staff of the **Test Operation Center** has documented high qualification. The Center is equipped with standard facilities according with GOST and is provided by a variety of modern equipment for flaw detection of metal (ultrasonic control of metal and welds condition), measuring of illuminance, noise, vibration, acceleration level, electric measuring equipment, and many others.

The **Certification Body** has in its staff a group of experts with certificated competency and qualification. The Certification Body performs compliance assessment of elevators during commissioning, during operation period and after expiration of operation term, as well as calculates of residual life of elevators.

Power Engineering Department of «ROSDIAGNOSTIKA» CSJC performs surveys of objects in order to determine its energy efficiency and certification, i.e. to set measures to improve efficiency of energy using. The list of works includes collecting of documents, tool survey, data analysis and setting energy saving recommendations. This work is conducted by specialized engineering teams, who are provided with the latest equipment to control, detect and trace losses of energy, including thermal imagers, electricity quantity and quality analyzers, gas analyzers, vibroacoustic correlation devices and other necessary equipment.



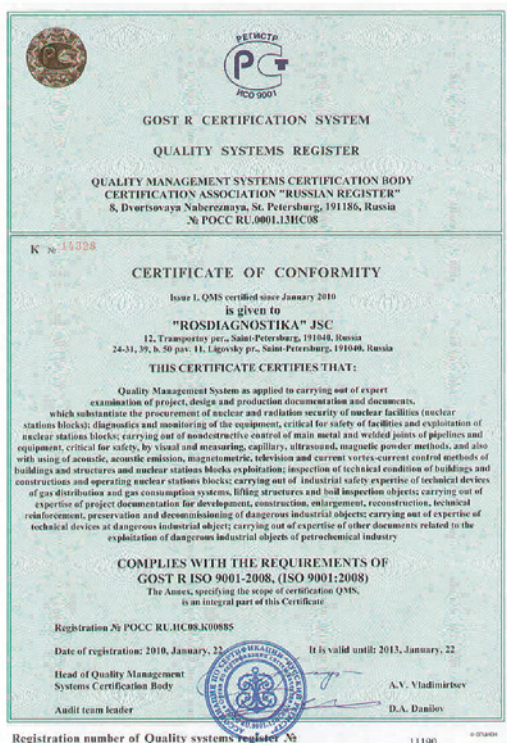
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The **Laboratory of zonal measurements and NDT** («NET» CJSC) conducts comprehensive examination and diagnostic works of water supply systems. The works are performed by emergency and plan teams. The Laboratory is equipped with hi-tech facilities of well-known international companies: correlation leak detectors, line locator, ground microphones, overlaid flow meter etc. The laboratory has its own unique methods for searching water loss, software for calculation of the hydraulic models and recording results of surveys in the geo-information system.

Project Management Department performs management of projects on construction, modernization and reconstruction of industrial objects, as well as implements contracts on repair of complex technological equipment and coordinates the activity of subcontracting organizations. Specialists of the department carry out preparation of feasibility study and pre-project design, have a great operating and organization experience of participation in the realization of complicated projects.





Quality control service

The quality management system of «ROSDIAGNOSTIKA» CJSC meets requirements of ISO 9000 standard, developed by the Technical Committee TC 176 of International Organization for Standardization and has an ISO 9001:2008 certification. Company executes strict control over the implementation of requirements of the quality control system, provides with regulatory and technical documentation, maintains the register and retains the archive.



GEOGRAPHY OF ACTIVITIES

1. Russian Federation:

- Moscow
- Saint-Petersburg and Leningrad region:
 - Pushkin
 - Kolpino
 - Vsevolozhsk
 - Lomonosov
 - Petrodvorets
 - Kirovsk
 - Kingisepp
 - Tikhvin
 - Sosnoviy Bor
 - Kronstadt
- Yekaterinburg
- Norilsk
- Dudinka
- Solikamsk
- Petrozavodsk
- Murmansk
- Polarniye Zori
- Cherepovets
- Vologda
- Bilibino
- Stavropol
- Vyshny Volochek
- Tver
- Perm
- Veliky Novgorod
- Obninsk
- Krasnodarsky region

2. Lithuania

- Vilnius
- Kaunas
- Daugavpils

3. Federal Republic of Nigeria

4. The Republic of Ghana

5. The Republic of Sudan

6. Republic of Macedonia

7. Turkmenistan

- Ashgabat
- Serakhs







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FOOTBALL TEAM



In 2009 we established a corporate football team composed of «ROS DIAGNOSTIKA» staff.

The team «ROS DIAGNOSTIKA» participates in competitions for corporate teams of leading companies in St. Petersburg, which is organized by the «Sporting League».

The «Sporting League» – one of the leading competitions for amateurs in St. Petersburg. Since 2008 competitions are held two times a year – in spring and autumn. The winners receive the challenge cup of each division with winners' names marked on it.

In May 2011 in the final match of the second division the «ROS DIAGNOSTIKA» team won the «LAIR» team by a score of 3:2 and became the champion of the tournament.



FEDERAL MILITARY AND POLICE MEDIA HOLDING «IT IS AN HONOR» (CHEST IMEJU)



In 2008 the company purchased the Federal Military and Police Media Holding «It is an Honor» (Chest imeju).

Since 2006 the Federal Military and Police Media Holding «It is an Honor» has been published a magazine «It is an Honor».

Among the founders of the magazine are well-known organizations such as «Honor and Courage» Foundation, DOCC veterans association «Combat Brotherhood» and veterans association «Russia». Honorary chairman of the editorial board is a legendary designer and world-famous gun maker Michael T. Kalashnikov.

During four years the magazine has achieved great results by covering federal level and receiving the appreciation of readers auditory. Editorial staff and journalists develop and support continuous contacts with Russian Interior Ministry units, Military and Special Forces to cover its every day activities and problems as much as possible. Military and Police Forces is the integral part of our society, maintain rule of law, protect the people and security of the country.

The main purposes of the magazine are delivery informed stories as a reflection of the power structure situation, attracting the attention of readers to the patriotic education aspects and development of social partnership and cooperation between society and the police.

Official site of Federal Military and Police Media-Holding «It is an Honor»

www.chest-imeyu.com





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Maintenance and repair of premises and facilities of housing and municipal services

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