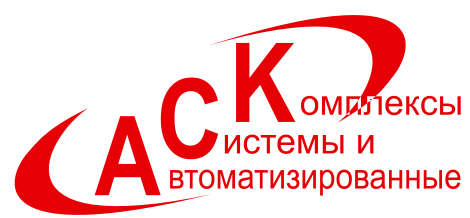


Project Developed and Implemented





*The scope of main work
of CJSC "Automated Systems
and Complexes" which contributed
to create the experience and expertise
of the up-to-date approach in terms
of automation system building,
efficient application of the state-of-the-art
technologies and optimal strategy
in respect of the goal achievement.*

FERROUS METALLURGY

Commissioning of integrated control system for wagon pusher T-20. Design, equipment delivery, commissioning.	JSC "ArcelorMittal Temirtau", Temirtau, Republic of Kazakhstan.	2016
Automation of ladle furnace sector aspiration system control.	OJSC "EVRAZ- NTMK", Nizhniy Tagil, Sverdlovsk region.	2016
Modernization of reversing rolling mill 1500 main drive control system. Design, equipment delivery, commissioning.	OJSC "Asha Metallurgical Plant", Asha, Chelyabinsk region.	2016
Revamping of ventilation system for electric motors of rolling mill stand main drives. Equipment delivery, commissioning.	OJSC "EVRAZ- NTMK", Nizhniy Tagil, Sverdlovsk region.	2016
Revamping of blast furnace automated process control system. Equipment delivery, commissioning.	PJSC «Nadezhdinsk Metallurgical Plant», Serov, Sverdlovsk region.	2016
Revamping of furnace automation equipment. Design, software development, equipment delivery, commissioning.	JSC "Vyksa Metallurgical Plant", Vyksa, Nizhny Novgorod region.	2016
Converter (controlled rectifier) for electrolytic cell of the hydrogen production plant.	OJSC "OMK-Steel", Vyksa, Nizhny Novgorod region.	2015
Safety guards and systems for decarburizing annealing machines. Equipment delivery, commissioning.	OJSC "VIZ-Steel", Ekaterinburg.	2015
Group Soft Start System for High Voltage Induction Motors of Descaling Pumps. Equipment delivery, commissioning.	OJSC "OMK-Steel", Vyksa, Nizhny Novgorod region	2015
Modernization of installation for pipe length measurement, weighing, marking and stamping. Equipment delivery, commissioning.	OJSC "Sinarsky Pipe plant", Kamensk-Uralsky, Sverdlovsk region.	2015
Modernization of pipe threading line. Design, equipment delivery, commissioning.	OJSC "Sinarsky Pipe plant", Kamensk-Uralsky, Sverdlovsk region.	2015
Commissioning of waste gas purification system. Commissioning.	JSC "ArcelorMittal Temirtau", Temirtau, Republic of Kazakhstan.	2015
Commissioning of Rolling Equipment. Software modification, commissioning.	LLC "NLMK Kaluga", Vorsino village, Kaluga region.	2015
Modernization of pipe marking machine.	OJSC "Pervouralsk novotrubni plant", Pervouralsk, Sverdlovsk region.	2015
Soft starter for high voltage synchronous drives of exhausters. Equipment delivery, commissioning.	OJSC «Novolipetsk Steel Plant», Lipetsk.	2015
Commissioning of rolling equipment.	GV DO BRASIL (Pindamonhangaba, Brazil).	2015
Tuning of control system of Zundwig reversible cold rolling mill 1200. Design, equipment delivery, commissioning.	OJSC "VIZ-Steel", Ekaterinburg.	2015

Revamping of electric drives of 20/5 ton capacity crane. Design, equipment delivery, commissioning.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk region.	2014
Electrical Equipment of Rotary Hearth Furnace. Equipment delivery, commissioning.	OJSC "STZ", Polevskoy, Sverdlovsk region.	2014
Billet/ Shell Tracking System of Piercing Mill Section. Design, equipment delivery, commissioning.	OJSC "STZ", Polevskoy, Sverdlovsk region.	2014
Replacement of electric drives and control system of double-spindle coupling sleeve making machine EMAG MSC22. Design, equipment delivery, commissioning.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk region.	2014
Commissioning of Automated Control System of 21,5 MW Mini-CHP (combined heat and power plant).	OJSC "SUMZ", Revda, Sverdlovsk region.	2014
Automatic identification of large diameter pipes. Design, equipment delivery, commissioning.	OJSC "Vyksa Metallurgical Plant", Vyksa, Nizhny Novgorod region.	2014
Revamping of electrical equipment and automated control systems of rolling mill 150. Design, equipment delivery, commissioning.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	2014
Automated process control system of pipe finishing section. Design, equipment delivery, commissioning.	OJSC "Vyksa Metallurgical Plant", Vyksa, Nizhny Novgorod region.	2014
Modular compressor station Atlas Copco. Design, equipment delivery, commissioning.	CJSC "NSMMZ", Revda, Sverdlovsk region.	2014
Automated Control System of the Kiln Unit of Lime Production Area in the Shaft Kiln. Design.	LLC "Krasnosulinsky Metallurgical Plant", Krasny Sulin, Rostov region.	2014
System of Automatic Strip Clamping and Stretching in Transient Rolling Modes on a 4-stand Strip Cold Rolling Mill 1700. Design, equipment delivery, commissioning.	OJSC "Mariupol Metallurgical Plant n.a. Ilyich", Mariupol, Donetsk region, Ukraine.	2014
Revamping of lime kiln. Design, equipment delivery, commissioning.	OJSC "Pervouralsk novotrubni plant", Pervouralsk, Sverdlovsk region.	2014
Power supply of lime production section. Design, equipment delivery, commissioning.	OJSC "Pervouralsk novotrubni plant", Pervouralsk, Sverdlovsk region.	2014
Revamping of Electric Drives of Sizing and Reeling Mills. Design, delivery, erection, adjustment.	OJSC "Volzhski Tube-Rolling Plant" (OJSC "VTZ") Volzhski, Volgograd oblast.	2014
Revamping of Straightening Annealing Device AVO-3. Design works, delivery and commissioning.	OJSC "VIZ-Steel", Ekaterinburg.	2014
Revamping of Electrical Equipment of Electric Casting Overhead Crane Control System. Design, delivery, erection, adjustment.	Evraz Joint West Siberian Metallurgical Plant, JSC, Novokuznetsk, Kemerovo region.	2013
Replacement of control system on EMAG DZ80/80 special two-spindle coupling sleeve machine. Programming, start-and-adjustment works.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2013
Design, Supply and Commissioning of Electrical Equipment for Circular Furnace Charging Area. Design, delivery, erection, adjustment.	Severskiy tube plant - Polevskoi, Sverdlovsk region.	2013
Commissioning of Electrical Equipment of Piercing Mill Main Drives has been completed. Start-and-adjustment work.	Severskiy tube plant - Polevskoi, Sverdlovsk region.	2013
Commissioning of Descaling Device Equipment. Start-and-adjustment work.	Severskiy tube plant - Polevskoi, Sverdlovsk region.	2013
Commissioning of Electric Equipment of Circular Furnace №2. Start-and-adjustment work.	Severskiy tube plant - Polevskoi, Sverdlovsk region.	2013
Project Design, Delivery and Adjustment of the Automated Thickness and Tension Control System at 4-Stand Strip Cold-Rolling Mill "1700" of PJSC "Ilyich Iron and Steel Works", Mariupol, Ukraine. Start-and-adjustment work.	Mariupol Metallurgical Plant n.a. Ilyicha, OJSC - the town of Mariupol, Donetsk region, Ukraine.	2013
Commissioning Work at a Small Section Mill. Start-and-adjustment work.	Abinskiy electrometallurgical works, LLC - Abinsk, Krasnodar Krai.	2013
Adjustment Work at NLMK-Kaluga. Start-and-adjustment work.	NLMK-Kaluga, Ltd. - Settlement Vorsino, Kaluga oblast, 2013	2013

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Successful carried out guarantee tests and signed Acts of Industry Commissioning of a shaft gas counterflow kiln of lime kilning. Tests, start-and-adjustment work.	Ashinsky metallurgical works OJSC, Asha, Chelyabinsk region	2013
Relay protection and automation data processing system. Design, delivery, erection, adjustment.	OJSC "Pervouralsk novotrubni plant", Pervouralsk, Sverdlovsk oblast.	2012
Traffic control system of rail and beam shop. Reconstruction of 3 process areas, commissioning.	OJSC "NTMK", Nizhniy Tagil, Sverdlovsk oblast.	2012
Group soft start system for high-voltage electric drives of smoke exhausters. Design, delivery, erection, adjustment.	LLC "KamaSteel", OJSC "Motovilikhinskie Plants", Perm.	2012
Individual soft start system for high-voltage electric drives of smoke exhausters. Design, delivery, erection, adjustment.	OJSC "Tchusovskoi Metallurgical Plant", Tchusovoi, Perm Krai.	2012
Investigation and commissioning activities at a single-strand slab casting machine. Start-and-adjustment work.	Xing Cheng Steel Co., JiangYin, China.	2012
Retrofit of surface-planing machine 7G220-F11. Design, delivery, commissioning.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk oblast.	2012
Automated control system of electric drives of heating furnace No. 6. Design, installation and commissioning activities.	OJSC "PNTZ", Pervouralsk, Sverdlovsk oblast.	2012
Process control system and power-supply system of lime-calculating area. Design activities. Design, installation and commissioning activities.	JSC "Ashinskiy metallurgical Works", Asha, Chelyabinsk oblast.	2012
Automatic pipe-threading line "EMAG". Modernization activities.	OJSC "Sinarsky Pipe Works" (OJSC "SinTZ"), Kamensk-Uralsky, Sverdlovsk oblast.	2012
Capital repair of pipe-threading machines. Modernization activities (capital repair, project development, electrical installation work, commissioning work).	LLC "Burlinie trubi", Kamensk-Uralsky, Sverdlovsk oblast	2012
Continuous-casting machine No. 2. Development of documentation, manufacturing of cabinets and panel, delivery of equipment, commissioning of electric equipment and machinery.	LLC "Kamastal", Perm.	2012
Modernization of Secondary Cooling Zone of slab continuous casting machine No. 2. Design work.	OJSC "Ilyich Iron and Steel Works", Mariupol, Donetsk oblast, Ukraine.	2012
Reconstruction of main drives of mill stand and winder Mill 1300. Design, delivery, erection, adjustment.	LLC "VIZ-Steel", Ekaterinburg.	2012
Commissioning activities at treatment facilities of steel degassing plant, start.	OJSC "Ural Steel", Novotroitsk, Orenburg oblast.	2012
Automatic igniting system for ignition furnace of sintering machine. Commissioning activities.	JSC "Visakhapatnam Steel plant", India.	2012
Upgrading of drive control systems for processing area of straightening annealing plant. Design, delivery, erection, adjustment.	LLC "VIZ-Steel", Ekaterinburg.	2012
Development and implementation of automated control system for roller facilities and roll fittings. Development and implementation.	LLC "Rostov Electrometallurgical Plant", Rostov.	2012
Automated control system for pipe-bending machine 1420-TVCH. Design, delivery, erection, adjustment.	CJSC ZSDT "Trubostan", Chelyabinsk	2012
Electric drive of breakdown train of mill 150. Design, delivery, erection, adjustment.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	2012
Adjustment and commissioning of medium voltage frequency converter ACS5000. Adjustment and Commissioning.	Metallurgical works "Arcelor Mittal", Temirtau, Republic of Kazakhstan.	2012
Modernization of Rectifying Annealing Device ABO-5. Design, delivery, erection, adjustment.	LLC "VIZ-Steel", Ekaterinburg.	2012
Smooth start of high-voltage electric drive of sinter exhauster of 4000 kW power. Design, delivery, erection, adjustment.	OJSC "NLMK", Lipetsk.	2012
Work completion at workshop "Height-239" of Chelyabinsk Pipe-Rolling Plant. Development and implementation.	OJSC "Chelyabinsk Pipe Rolling Plant", Chelyabinsk.	2012

Automated process control system of lime-burning kiln. Design, delivery, erection, adjustment.	OJSC "Ashinsky Metallurgical Works", Asha, Chelyabinsk oblast.	2012
Modernization of control system of welding machine "GUILD" of device NTA-2. Design, delivery, erection, adjustment.	LLC "VIZ-Steel", Ekaterinburg.	2012
Commissioning works at small-section mill 350. Start-and-adjustment work.	"LLC "Abinskiy Electrometallurgical Works", Abinsk, Krasnodar Krai.	2011
Designing of automated control systems for factory services of electric steel-making complex.	CJSC "Kovrovskiy Steel Rolling Works", Kovrov, Vladimir oblast.	2011
Commissioning of electric equipment of insulating-coating application plant No. 2. Design, delivery, erection, adjustment.	OJSC "Ashinsky Metallurgical Works", Asha, Chelyabinsk oblast.	2011
Treatment facilities of steel degassing plant. Design, software development.	LLC "Enterprise NPF ECO-PROJECT" for OJSC "Ural Steel".	2011
Automatic control system of continuous pickling line and continuous hot dip galvanizing line. Performance tests, corrective and maintenance work.	"MMK-Atakas" Metallurgical works, Iskenderun, Turkey.	2011
Adjustment and commissioning of equipment for thermal treatment of sheets. Start-and-adjustment works.	Akhvaz, Iran.	2011
Burners ignition control system for ignition furnace of sintering plant No. 3. Design, manufacturing, bench tests and delivery of equipment.	JSC "Visakhapatnam Steel Plant", India.	2011
Traffic control system for heat treatment area of rail and structural steel shop. Engineering, manufacturing of equipment, electric wiring and commissioning.	OJSC "NTMK", Nizhniy Tagil, Sverdlovsk oblast.	2011
Commissioning of heating plants for hot-rolling mill "MILL 5000". Start-and-adjustment work.	JSC "Viksa Steel Works", Viksa, Nizhny Novgorod oblast.	2011
Commissioning works on small-section mill. Start-and-adjustment work.	LLC "Rostov Electrometallurgical Plant", Shakhty, Rostov oblast.	2011
Modernization of flying saw drive and control system. Design, delivery, erection, adjustment.	OJSC "Pervouralsk Novotrubniy Plant", Pervouralsk, Sverdlovsk oblast.	2011
Commissioning of automated control system of pipe-bending machine 1420. Design, delivery, erection, adjustment.	Pipeline fitting factory CJSC "Trubostan", Chelyabinsk.	2011
Reconstruction of electric drive and automated control system of electric insulation coating plant AVO-7. Design, delivery, erection, adjustment.	Verkh-Isetsky metallurgical factory, Ekaterinburg.	2011
Reconstruction of wire mill 150 control systems. Design, delivery, erection, adjustment.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	2011
Reconstruction of control system and main drives of a sinking-sizing mill. Design, delivery, erection, adjustment.	OJSC "Volzhski Tube-Rolling Plant" (OJSC "VTZ") Volzhski, Volgograd oblast.	2011
Development of diagnostic system for thermal tube treatment area. Design.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2011
Reconstruction of phosphatizing section of pump-compressor pipe finishing area, shop No. 4. Design works, delivery and commissioning.	OJSC "Pervouralskiy Novotrubniy Plant", Pervouralsk, Sverdlovsk oblast.	2010
Automated monitoring and control system of the second level for continuous-casting plant with MES functionality. Design, delivery, erection, adjustment.	CJSC "NSMMZ", Revda, Sverdlovsk oblast.	2010
Commissioning of a single-strand continuous slab-casting plant.	XingCheng Steel Co., JiangYin, China.	2010
Commissioning of tempering mill: control system for mill and its auxiliaries, visualization system.	Tokyo Steel, Takhara, Japan.	2010
Automated control system for continuous -casting plant and auxiliary mechanisms. Commissioning.	Jinan Iron and Steel Co., Jinan, China.	2010
The third stage of modernization of electric equipment and automated control systems for section mill 300, shop No. 2. Design, delivery, erection, adjustment.	JSC "Uzbek Metallurgical Enterprise", Bekabad, Uzbekistan.	2010

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Reconstruction of main drives for mill stand and decoiler of mill 1300. Design, delivery, erection, adjustment.	LLC "VIZ-Steel", Ekaterinburg.	2010
Commissioning of control system of cutoff machine and shaping mill. Erection, adjustment.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk oblast.	2010
Commissioning of control systems of galvanizing line. Erection, adjustment.	"MMK-Atakas" Metallurgical works, Iskenderun, Turkey.	2010
Implementation of second-level process automation system for galvanizing line. Erection, adjustment.	Tezcan Galvanizli, Arslanbei, Turkey.	2010
Commissioning of automation systems and electric drives for a new welded pipe-making rolling mill. Erection, adjustment.	OJSC "Chelyabinsk Pipe Rolling Plant", Chelyabinsk.	2010
Continuous hot dip galvanizing plant. Erection, adjustment.	Tezcan Galvanizli, Izmit, Turkey.	2010
Cross-cutting unit. Erection, adjustment.	MMK Group, Magnitogorsk, Chelyabinsk oblast.	2010
Modernization of continuous steel-casting machine. Design, delivery, erection, adjustment.	LLC "KamaSteel", OJSC "Motovilikhinskie Plants", Perm.	2010
Automated control system of continuous pickling line. Adjustment, certification testing, commissioning.	"MMK-Atakas" Metallurgical works, Iskenderun, Turkey.	2010
Certification tests of a double-strand continuous slab-casting machine. Adjustment, certification testing, commissioning.	Iron and steel plant "Hunan Valin Lianyuan I & S Co Ltd", LianYuan, China.	2010
Commissioning of electric equipment of arc steel-making furnace and water treatment area of arc-furnace melting complex "Iron Ozon 32". Erection, adjustment.	OJSC "PNTZ", Pervouralsk, Sverdlovsk oblast.	2010
Reconstruction of main drives of mill stands No. 5, 7, 9 and 11 of 12-stand sinking-sizing mill. Erection, adjustment.	"Volzhskiy Tube-Making Plant", Volzhskiy, Volgograd oblast.	2010
Replacement of thyristor converter of electric motor of automatic mill No. 220, shop No. 1. Design works, delivery and commissioning.	OJSC "PNTZ", Pervouralsk, Sverdlovsk oblast.	2009
Commissioning of process control system of steel wire-rope processing line of drawing mill. Design works, delivery and commissioning.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	2009
Reconstruction of electric equipment and control system of mill "150". Design works, delivery and commissioning.	OJSC "AMURMETAL", Komsomolsk-on-Amur, Khabarovsk Krai.	2009
Completed is engineering of electric drives and control system of sintering machine No. 4 Design works, delivery and commissioning.	OJSC "NLMK", Lipetsk.	2009
Reconstruction of automation systems of multipurpose beam-rolling mill. Design, delivery and commissioning.	OJSC "NTMK", Nizhniy Tagil, Sverdlovsk oblast.	2009
Commercial compressor plant BEMZ. Design works, delivery and commissioning.	CJSC "Beryozovskiy Electrometallurgical Plant", Beryozovskiy, Sverdlovsk oblast.	2009
Adjustment of economizers of heating furnace. Design works, delivery and commissioning.	CJSC "Beryozovskiy Electrometallurgical Plant", Beryozovskiy, Sverdlovsk oblast.	2009
Completed is adjustment of automation systems of rod air cooling lines of mill 150, rolling shop. Design works, delivery and commissioning.	OJSC "BMK", Beloretsk, Bashkortostan.	2009
Bridge charging crane with capacity of 500/100+20 t. Delivery and commissioning.	OJSC "Severstal", Cherepovets.	2009
Arc steel-making furnace. Design works, delivery.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk oblast.	2009
Completed are works on design and manufacturing of electric equipment for modernization of coupling bonderization line. Design works, delivery.	OJSC "Pervouralsk Novotrubniy Plant", Pervouralsk, Sverdlovsk oblast.	2009
First stage of electric equipment modernization for automated control system of section-rolling mill 300. Design works, delivery and commissioning.	JSC "Uzbek Metallurgical Enterprise", Bekabad, Uzbekistan.	2009

Manufacturing execution system (MES) for "Mill 150". Tasking, programming, putting into commercial operation.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	2009
The second revamp stage for electric equipment of section-rolling mill 300. Design works, delivery and commissioning.	JSC "Uzbek Metallurgical Enterprise", Bekabad, Uzbekistan.	2009
Design works for modernization of profiled steel casting machine No. 3.	LLC "MZ "Kamastal", Perm.	2009
Commissioning of thyristor-transformer voltage adjusters. Design works, delivery and commissioning.	JSC "chepetskiy Mechanical Plant", Glazov, Udmurt Republic	2009
Commissioning of electric pipe-welding plant "630" and electric-welded pipe production line. Delivery and commissioning.	OJSC "Uraltrubprom", Pervouralsk, Sverdlovsk oblast.	2009
Modernization of electric facilities and automated control systems of rolling mill "320/150". Design works, delivery and commissioning.	OJSC "AMURMETAL", Komsomolsk-on-Amur, Khabarovsk Krai.	2008
Reconstruction of electroslag furnace 4. Design works, delivery and commissioning.	LLC "KamaSteel", OJSC "Motovilikhinskie Plants", Perm.	2008
Modernization of control system for zinc- and polymeric-coating plant No. 4 due to installation of stretcher. Design works, delivery and commissioning.	CJSC "POLYSTEEL", Lysva, Perm Krai.	2008
Reconstruction of drives of mill stands 7a, 8a of section mill "320". Design works, delivery and commissioning.	OJSC "Metallurgical Plant A.K.Serov", Serov, Sverdlovsk oblast.	2008
Reconstruction of general-purpose vertical mill No. 1. Design works, delivery and commissioning.	OJSC "VIZ-Steel", Ekaterinburg.	2008
Automation of oil cellar machinery, shop B-3. Design, delivery and commissioning.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2008
Reconstruction of screwdown structures of mill stand in heavy-section shop. Design, delivery and commissioning.	OJSC "NTMK", Nizhniy Tagil, Sverdlovsk oblast.	2008
Reconstruction of electric drives of continuous –casting machine No. 2. Design, delivery and commissioning.	OJSC "NTMK", Nizhniy Tagil, Sverdlovsk oblast.	2008
Reconstruction of coil preparation plant No. 10. Design works, delivery and commissioning.	OJSC "VIZ-Steel", Ekaterinburg.	2008
Modernization of electric equipment and automated control system of furnace area handler. Design works, delivery and commissioning.	OJSC "AMURMETAL", Komsomolsk-on-Amur, Khabarovsk Krai.	2008
Start-and-adjustment works at reinforcement thermo-strengthening unit of small-section mill 280. Design works, delivery and commissioning.	JSC "Yartsevskiy Liteyniy Zavod", Yartsevo, Smolensk oblast.	2008
Rod mill. Design works, delivery and commissioning.	CJSC "Beryozovskiy Electrometallurgical Plant", Beryozovskiy, Sverdlovsk oblast.	2008
Development of circuit diagrams and software for industrial control system of steel-wire cable production. Design works, delivery and commissioning.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	2008
Design works for control system of cleaning plant of reverse cycle sediment box, delivery and commissioning.	OJSC "Chelyabinsk Pipe Rolling Plant", Chelyabinsk.	2008
Commissioning of a single-strand continuous slab-casting machine.	Benxi, province of Liaoning, China.	2008
Commissioning works at "Finishing tube-treatment centre".	OJSC "Pervouralsk Novotrubniy Plant", Pervouralsk, Sverdlovsk oblast.	2008
The first stage of MES-system implementation at Sinarskiy tube plant. Design works, delivery and commissioning.	OJSC "Sinarsky tube plant", Kamensk-Uralskiy, Sverdlovsk oblast.	2008
Electric equipment of breakdown mill. Design works, delivery of equipment, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2007
Modernization of electric facilities of coupling machines. Design works, delivery of equipment, adjustment.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk oblast.	2007

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Control system of continuous-casting machine No. 4. Design works, delivery of equipment, adjustment.	LLC Motovilikhinskie plants "Kama Steel", Perm.	2007
Reconstruction of digital speed setting and display system of mill "150", control systems of drives of a two-stage cooling line. Design works, delivery of equipment, adjustment.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	2007
Iron-casting machine. Design works, delivery of equipment, adjustment.	OJSC "Nizhnetagilsky Metallurgical Plant", Nizhny Tagil, Sverdlovsk oblast.	2007
Reconstruction of electric drives of induction heating area of mill TPA 30-120. Design works, delivery of equipment, adjustment.	OJSC "Pervouralsk Novotrubnyi Plant", Pervouralsk, Sverdlovsk oblast.	2007
Grids for stacking and transportation of billets No. 1 and No. 2 in tube-rolling shop. Design works, delivery of equipment, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2007
Reconstruction of electric facilities for zinc- and polymeric coating plant No. 4. Design works, delivery of equipment, adjustment.	CJSC "POLYSTEEL", Lysva, Perm Krai.	2007
Reconstruction of section mill. Design works, delivery of equipment, adjustment.	JSC "Metallurgical Holding", "Nizhneserginsky Metallurgical Plant", Nizhnie Sergi, Sverdlovsk oblast.	2007
Electric equipment and automation of piercing mill. Design works, delivery of equipment, adjustment.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk oblast.	2007
Automation of electric drives of reverse water supply for hardening plant. Software development and adjustment.	LLC "Tchkalovsky" (OJSC "KUMZ"), Kamensk-Uralsky, Sverdlovsk oblast.	2007
Control and automation system of sizing mill. Design works, delivery of equipment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2007
Process control system of reversing mill "1200". Engineering, delivery and commissioning.	OJSC "NLMK", Lipetsk.	2007
Electroslag remelting furnace. Design works, delivery of equipment, adjustment.	LLC Motovilikhinskie plants "Kama Steel", Perm.	2007
Automation system of thermostrengthening line of rolling mill. Engineering work.	JSC "Yartsevskiy Liteyniy Zavod", Yartsevo, Smolensk oblast.	2007
Control, diagnostics and data backup system of press-rolling line. Design works, delivery and commissioning.	OJSC "Nizhnetagilsky Metallurgical Plant", Nizhny Tagil, Sverdlovsk oblast.	2007
Process control system of dry gas purification plant No. 1 with gas and smoke flues. Design works, delivery and commissioning.	Subsidiary of "IrkAZ SUAL", Shelekhov.	2007
Reconstruction of main drives of mill "1300". Design works, delivery and commissioning.	LLC "VIZ-Steel", Ekaterinburg.	2007
Reconstruction of continuous steel — casting machine No 1. Design works, delivery of equipment, adjustment.	LLC Motovilikhinskie plants "Kama Steel", Perm.	2006
Reconstruction of section mill. Design works, delivery of equipment, adjustment.	JSC "Metallurgical Holding", "Nizhneserginsky Metallurgical Plant", Nizhnie Sergi, Sverdlovsk oblast.	2006
Modernization of control system for entering side of tube electric welding machine TESA 102-426. Design works, delivery of equipment, adjustment.	OJSC "Trubprom", Pervouralsk, Sverdlovsk oblast.	2006
Reconstruction of coil preparation unit (APR-1). Design works, delivery of equipment, adjustment.	OJSC "VIZ -Steel", Ekaterinburg.	2006
Small-sort-wire mill 320/150. Design works, delivery of equipment, adjustment.	OJSC "AMURMETAL", Komsomolsk-on-Amur, Khabarovsk Krai.	2006
Reconstruction of electric drive of shears. Design works, delivery of equipment, adjustment.	OJSC "MMK", Magnitogorsk, Chelyabinsk oblast.	2006
Control system of lubricating liquid stations. Design works, delivery of equipment, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2006
Continuous-casting machine. Design works, delivery of equipment, adjustment.	CJSC "NSMMZ", Revda, Sverdlovsk oblast.	2006

Section rolling mill 320. Design works, adjustment.	OJSC "Metallurgical plant A.K.Serov", Serov, Sverdlovsk oblast.	2006
Reconstruction of main drive of piercing mill. Design works, adjustment.	OJSC "Volzhsky Tube Plant", Volzhsk, Mari EL Republic.	2006
Arc-furnace complex, arc-furnace shop 2. Design works, delivery of equipment, adjustment.	CJSC "NSMMZ", Revda, Sverdlovsk oblast.	2005-2006
Reconstruction of electric equipment of loopers of rectifying annealing plant 3. Design, delivery of equipment, adjustment works.	OJSC "VIZ-Steel", Ekaterinburg	2005
Reconstruction of electric equipment for input and processing areas of rectifying annealing plant 7. Design works, delivery of equipment, adjustment.	OJSC "VIZ-Steel", Ekaterinburg.	2005
Process visualization system of zinc-coating plant No. 32. Design works, delivery of equipment, adjustment.	CJSC "Polysteel", Lysva, Perm Krai.	2005
Reconstruction of electric facilities of welding machine HO-BART. Design works, delivery of equipment, adjustment.	OJSC "VIZ-Steel", Ekaterinburg.	2005
Reconstruction of coupling machine. Design works, delivery of equipment, adjustment.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk oblast.	2005
Reconstruction of slitting unit 9. Design works, delivery of equipment, adjustment.	OJSC "VIZ-Steel", Ekaterinburg.	2005
Electric equipment of lime-burning furnace. Design works, delivery of equipment, adjustment.	CJSC "NSMMZ", Revda, Sverdlovsk oblast.	2005
Reversing mill 1200, foundry-rolling shop 2. Correction of diagrams, adjustment works.	"Mittal Steel Temirtau", Temirtau, Kazakhstan republic.	2005
Reconstruction of electric facilities of small-sort-wire mill 320/150. Design works, delivery of equipment, adjustment.	OJSC "AMURMETAL", Komsomolsk-on-Amur, Khabarovsk Krai.	2005
Automated control system of emulsion utilization process of expander plant, the 2nd reconstruction stage, TESTS-4. Design, delivery, start-and-adjustment works.	OJSC "Vyksunsky Metallurgical Plant", Vyksa, Nizhny Novgorod oblast.	2004-2005
Upgrading of frequency converters in PSU-4 as a low-frequency voltage source array. Design works, delivery of equipment, start-and-adjustment works.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2004-2005
Modernization of power source array for electric motors of three rollers, furnace No. 1, heat-treatment department, shop T-2. Design works, delivery of equipment, adjustment works.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2004-2005
Process control system of DUO-1, DUO-2 areas of tube-rolling plant 140. Design, delivery of equipment, adjustment works.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2004-2005
Automatic control and visualization system for a pumping station of chemically-purified water of steel-making arc furnace. Design, delivery of equipment, adjustment works.	CJSC "NSMMZ", Revda, Sverdlovsk oblast.	2004-2005
Reconstruction of electric equipment of cell-type furnace area and walking-beam furnace of heat-treatment department No. 2. Design works, delivery of equipment, start-and-adjustment works.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk oblast.	2004-2005
Cutting system with flying shears before section strand cooler of mill 320. Design, delivery of equipment, adjustment work.	JSC "Metallurgical Holding", "Nizhneserginsky Metallurgical Plant", Nizhnie Sergi, Sverdlovsk oblast.	2004
Piling and dispatch area of a rod line. Design works, delivery of equipment, start-and-adjustment work.	JSC "Metallurgical Holding", "Nizhneserginsky Metallurgical Plant", Nizhnie Sergi, Sverdlovsk oblast.	2004
Reconstruction of rod-cooling line "STELMOR". Design work, delivery of equipment, start-and-adjustment work.	JSC "Metallurgical Holding", "Nizhneserginsky Metallurgical Plant", Nizhnie Sergi, Sverdlovsk oblast.	2004
Reconstruction of processing and exit areas of decarburizing annealing plant A1. Design works, delivery of equipment, start-and-adjustment works.	OJSC "VIZ-Steel", Ekaterinburg.	2004

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Reconstruction of loopers of decarburizing annealing plant AVO No. 4. Design works, delivery of equipment, start-and-adjustment works.	OJSC "VIZ-Steel", Ekaterinburg.	2004
Reconstruction of a tube feeder of pipe-threading machine EMAG. Design works, delivery of equipment, start-and-adjustment works.	OJSC "Seversky Tube Works", Polevskoy, Sverdlovsk oblast.	2004
Reconstruction of electric equipment of small-sort-wire mill 320/150 (electric drives of cutting-to-length shears, automatic speed control system of mill). Design works, delivery of equipment, start-and-adjustment works.	OJSC "AMURMETAL", Komsomolsk-on-Amur, Khabarovsk Krai.	2004
Reconstruction of automatic control system of piercing mill on tube-rolling plant 140. Design works, delivery of equipment, start-and-adjustment works.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2004
Reconstruction of electric equipment of cutting-to-length flying shears for a cooler of mill 280. Design works, delivery of equipment, start-and-adjustment works.	OJSC "Revyakinsky Metal Rolling Plant", Revyakino, Tula oblast.	2004
Electric drives and automation of the auxiliaries of furnace No. 3, mill 250. Design works, delivery of equipment, start-and-adjustment works.	JSC "Metallurgical Holding", "Nizhneserginsky Metallurgical Plant", Nizhnie Sergi, Sverdlovsk oblast.	2004
Control system of continuous steel casting machine No. 2. Correction of diagrams. Development of new diagrams. Contract-supervision works. Delivery of additional equipment. Adjustment. Software development.	LLC "KamaSteel", OJSC "Motovilikhinskie Plants", Perm.	2004
Automation system of finished product charging and intake areas in press-rolling production SMS EUMUCO and wheels' mechanoprocessing area (HULLER HILLE). Design works, delivery of equipment, start-and-adjustment works.	OJSC "NTMK", Nizhny Tagil, Sverdlovsk oblast.	2004
Electric drives and automation system of the machinery of scrap yard 1. Design, delivery of equipment, adjustment works.	OJSC "Nizhneserginsky Metallurgical Plant", Revda, Sverdlovsk oblast.	2004
Reconstruction of electric drive of mill stands and shears of mill 320. Design.	OJSC "Byelorussian Metallurgical Plant", Zhlobin, Belarus Republic.	2004
Electro-technical complex of piling, dispatch and charging areas of medium-section mill Profil/Arbed. Design, software development, proving-ground trial of equipment. Adjustment works on mill.	Luxemburg.	2003-2005
Automated steel-casting ladle-furnace complex and 6-strand continuous casting machine with its infrastructures. Adjustment, modernization.	OJSC "NSMMZ", Nizhnie Sergi, Sverdlovsk oblast.	2003-2004
Reconstruction of main drives and automation system of tube-straightening machine "Bronx". Design, production, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2003-2004
Electro-technical complex of continuous roughing train of wire mill 150, "DANIELI" company. Development, engineering, production of electro-technical complex, adjustment.	OJSC "NSMMZ", Nizhnie Sergi, Sverdlovsk oblast.	2003
Reconstruction of main drives and automation system of tube-straightening machine. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2003
Reconstruction of electro-technical complex of zinc-coating plant No. 4. Development, engineering, production of electro-technical complex, adjustment.	CJSC "POLYSTEEL", Lysva, Perm Krai.	2003
Reconstruction of electro-technical complex of zinc-coating plant No. 32. Design, delivery of equipment, adjustment.	CJSC "POLYSTEEL", Lysva, Perm Krai.	2003
Increase of metal yield through decrease of useful strip ends on 4-stand mill 1300. Development and implementation of new algorithms and software of mill control system and automatic gage control system.	LLC "VIZ-Steel", Ekaterinburg.	2003
Reconstruction of automation system and positioning systems of pressure screws of piercing mill. Design, delivery of equipment, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2003

Reconstruction of a winder of continuous-pickling line No. 2. Design, delivery, adjustment works.	LLC "VIZ-Steel", Ekaterinburg.	2003
Automatic tube temperature control system in induction heating plant of sinking mill TPA 140. Development, engineering, production of electro-technical complex.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2003
Coil transporter of air cooling line of wire mill 150. Design, delivery, adjustment works.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	2003
Automatic tube temperature control system in induction heating system TPA-140 of a sizing mill. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2002
Automatic roll gap control system of continuous mill TPA-80. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2002
Modernization of main drives of "Vagner" saws. Design, kitting-up, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2002
Reconstruction of electric drives of reeling mill No. 1. Design, kitting-up, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2002
Automation of pipe-cropping machines, shop T-2. Design, kitting-up, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2002
Modernization of control system and electric drives of organic section of zinc-coating plant No. 4. Design, adjustment work.	CJSC "POLYSTEEL", Lysva, Perm oblast.	2002
Electric drive of metal cutting shears of section rolling mill 320/150. Design, delivery, adjustment works.	OJSC "AMURMETAL", Komsomolsk-on-Amur, Khabarovsk Krai..	2002
Thyristor-transformer voltage regulators of 250 and 500 kVA for conductive heating of salt melts Development of design documentation, design.	OJSC "Chelyabinsk Metallurgical Plant", Glazov, Udmurt Republic.	2002
Cutting shears of section rolling mill 280-2. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Omutninsky Metallurgical Plant", Omutninsk, Kirov oblast.	2001-2002
Automated electro-technical complex of rod mill. Development, engineering, production of electro-technical complex, adjustment.	OJSC "NSMMZ", Nizhnie Sergi, Sverdlovsk oblast.	2001-2002
Automation and control system of press for tubes' hydraulic testing. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2001-2002
Speed setup system of a finishing train of section mill 250. Design, delivery, adjustment.	"Nizhneserginsky hardware-metallurgical plant", Nizhnie Sergi, Sverdlovsk oblast.	2001
Reconstruction of electric drives and automation system of AVO No. 5 plant, cold-rolling shop. Design, delivery, adjustment.	LLC "VIZ-Steel", Ekaterinburg.	2001
Reconstruction of betweenness train area. Design, delivery, adjustment.	OJSC "NSMMZ", Nizhnie Sergi, Sverdlovsk oblast.	2001
Electric drive of floor charging carriage. Design, delivery, start-and-adjustment works.	OJSC "Pervouralsk Novotrubniy Plant", Pervouralsk, Sverdlovsk oblast.	2001
Electric drive of a tribe-unit for a strip accumulator of pipe-welding machine. Design, delivery, start-and-adjustment works.	OJSC "Uraltrubprom", Pervouralsk, Sverdlovsk oblast.	2001
Heat treatment of tubes. Control system, electric drives, electric facilities. Adjustment and technology implementation.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2001
Reconstruction of electric drives of automatic gage and tension control systems, mil 1300. Design, production and delivery of equipment, adjustment.	LLC "VIZ-Steel", Ekaterinburg.	2000-2001
Reconstruction of electric drives of a cooling bank's rolling table of section rolling mill 250. Development, production and delivery of frequency converters, start-and-adjustment works.	JSC "Metallurgical holding", OJSC "Nizhneserginsky Metallurgical Plant", Nizhnie Sergi, Sverdlovsk oblast.	2000-2001

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Reconstruction of continuous mill control system of tube-rolling plant 80. Engineering, production and delivery of equipment, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2000-2001
Reconstruction of electric drives of a weld seam treatment plant on basis of digital thyristor converters and controllers of "SIEMENS" company. Design, delivery of equipment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2000
Automation of reeling mill area No. 2 on basis of controllers Simatic S7. Design, delivery of equipment, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2000
Control workstation of furnace complex. Design, kitting-up, delivery, start-and-adjustment works.	OJSC "Tchusovskoi Metallurgical Plant", Tchusovoi, Perm Krai.	2000
Reconstruction of electric drives of sprayers for sizing and reeling mills. Design, delivery, start-and-adjustment works.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	2000
Automation system of heating furnaces' area of rail and structural steel shop. Production of equipment, adjustment.	OJSC "NTMK", Nizhny Tagil, Sverdlovsk oblast.	2000
Reconstruction of sinking mill control system of tube-rolling mill 80. Programming, production of object-oriented products and panel equipment, adjustment and implementation.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	1999-2000
Reconstruction of electric drives of wire mill winders. Design, implementation.	JSC "Metallurgical holding", OJSC "NSMMZ", Revda, Sverdlovsk oblast.	1999
Reconstruction of electric drive of metal cutting shears. Design, delivery, adjustment.	JSC "Metallurgical holding", OJSC "Nizhneserginsky Metallurgical Plant", Nizhnie Sergi, Sverdlovsk oblast.	1999
Ferroalloy furnace No. 1. Design, kitting-up, delivery, start-and-adjustment works.	OJSC "Tchusovskoi Metallurgical Plant", Tchusovoi, Perm Krai.	1999
Automation of ball-rolling furnace 120. Design, production and delivery, adjustment of equipment.	JSC "Uzbek Metallurgical Enterprise", Bekabad, Uzbekistan.	1998-2001
Small-sort-wire mill 150. Reconstruction of electrical equipment and automation systems. Development and delivery of technical and programming set for control system of process variables of a mill's tail-end.	OJSC "Beloretsk Metallurgical Plant", Beloretsk, Bashkortostan.	1998-2000
Reconstruction of main drive of mill 850. Design, delivery, adjustment.	OJSC "Byelorussian metallurgical plant", Zhlobin, Belarus republic.	1998-1999
Display and tube-temperature control device. Design, kitting-up, delivery.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	1998
Ferroalloy furnace No. 3. Design, kitting-up, delivery, start-and-adjustment work.	OJSC "Tchusovskoi Metallurgical Plant", Tchusovoi, Perm Krai.	1998
Electric drive of pushers of continuous furnaces. Delivery, start-and-adjustment works.	OJSC "Pervouralsk Novotrubniy Plant", Pervouralsk, Sverdlovsk oblast.	1998
Reconstruction of stand No. 1 of continuous mill TPA 180. Design, kitting-up, delivery, adjustment.	OJSC "Sinarsky Pipe Works", Kamensk-Uralsky, Sverdlovsk oblast.	1998
Electric drives of rolling tables of workholder circulation line. Design, delivery, start-and-adjustment works.	OJSC "Pervouralsk Novotrubniy Plant", Pervouralsk, Sverdlovsk oblast.	1997
Small-sort-wire mill 250/320. Adjustment of electric drives and basic automation systems.	JSC "Moldova Steel Works", Rybnitsa, Moldova.	1996-1997
Electric arc furnace No. 4. Design, start-and-adjustment works.	LLC "VIZ-Steel", Ekaterinburg.	1995
Ferroalloy furnace No. 16. Design, kitting-up, start-and-adjustment works.	OJSC "Serovsky Ferroalloy Plant", Serov, Sverdlovsk oblast.	1994
Four-stand cold rolling mill "1300". Design of reconstruction, adjustment.	LLC "VIZ-Steel", Ekaterinburg.	1992-1995
Insulating coating plant. Design, adjustment.	LLC "VIZ-Steel", Ekaterinburg	1991-1992
Decarburizing annealing plant. Design.	LLC "VIZ-Steel", Ekaterinburg.	1991

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Automated process control system of high pressure pump and accumulator station. Commissioning.	VSMPO-AVISMA Verkhnyaya Salda, Sverdlovsk region.	2016
Modernization of looping systems for copper wire rod mill finishing stands No.13 and No.14. Software modification, commissioning.	Katur-Invest JSC, UMMC-Holding, Verkhnyaya Pyshma, Sverdlovsk region.	2016
Modernization of electrical equipment for stands No.13 and No.14 of copper wire rod mill. Equipment supply, commissioning.	Katur-Invest JSC, UMMC-Holding, Verkhnyaya Pyshma, Sverdlovsk region.	2016
Power Supply System for Silicon Rectifier Substations and Distribution Substations. Design.	OJSC "Bratsk Aluminium Plant", Bratsk, Irkutsk region.	2015
Reconstruction of Aluminium Strip Cold Rolling Mill 2300. Design, equipment supply, commissioning.	OJSC "ALCOA SMZ", Samara.	2015
Automated Process Control System for Shaft Furnace Blast Preheating. Design, commissioning.	CJSC "Rezhnickel", Rezh, Sverdlovsk region.	2015
Commissioning of 1350 ton-force hydraulic shears in 4000 ton-force forging press plant.	PJSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk region.	2015
Modernization of slotter electrical equipment. Design.	PJSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk region.	2015
Revamping of aluminium strip cold rolling mill 2300. Design, equipment supply, commissioning.	OJSC "ALCOA SMZ", Samara.	2015
Power supply of silicon-controlled converter stations and distribution substations. Design.	OJSC "Bratsk Aluminium Plant", Bratsk, Irkutsk region.	2015
Automated process control system of blast air heating of the shaft furnace. Design, equipment supply, commissioning.	CJSC "Rezhnickel", Rezh, Sverdlovsk region.	2015
Automated process control system of 4000 ton forging press plant. Commissioning.	OJSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk region.	2014
Replacement of jig borer control system. Design, equipment supply, commissioning.	UC RUSAL, OJSC "Bogoslovsky Aluminium Plant", Krasnoturinsk, Sverdlovsk region.	2014
Modernization of Aluminium Strip Coating Line. Design, equipment supply, commissioning.	OJSC "ALCOA SMZ", Samara.	2014
Overhaul of electrical equipment for control system of 6000 ton-force horizontal hydraulic press No.5. Design, equipment supply, commissioning.	LLC "Drill pipesi", Kamensk-Uralsky, Sverdlovsk region.	2014
Revamping of electrical equipment and automated process control system of Skoda slitting line 800-1-4x650. Design, equipment supply, commissioning.	OJSC "Kirov non-ferrous metals processing plant", UMMC, Kirov.	2014
Commissioning of Electrical Equipment of Roughing Mill No.4 and Loop Layer of Copper Wire Rod Mill. Supply, commissioning works.	Katur-Invest SP, CJSC, UGMK-Holding Verkhnyaya Pishma, Sverdlovsk region.	2014
Revamping of Electrical Equipment of Copper Wire Rod Mill. Engineering.	Katur-Invest SP, CJSC, UGMK-Holding Verkhnyaya Pishma, Sverdlovsk region.	2014
Grinding Machines Control System. Engineering, production of equipment, electric wiring and commissioning.	VSMPO-AVISMA Verkhnyaya Salda, Sverdlovsk region.	2013
Commissioning on the plate annealing and flattening line. Engineering, production of equipment, electric wiring and commissioning.	VSMPO-AVISMA Verkhnyaya Salda, Sverdlovsk region.	2013
Automated Process Control System of 2500 ton-force press. Start-and-adjustment work.	VSMPO-AVISMA Verkhnyaya Salda, Sverdlovsk region	2013
Modernization of Electric Equipment of the Roughing Stand and the Wire Loop Coiler. Engineering.	Katur-Invest SP, CJSC, UGMK-Holding Verkhnyaya Pishma, Sverdlovsk region.	2013
The Automated Process Control System of the Cement Terminal in Omsk, the First Construction Stage. Engineering, production of equipment, electric wiring and commissioning.	Omsk Cement, LLC Omsk.	2013
Project of Connection of Container KC-4 with Diesel-Generator Unit. Engineering.	Katur-Invest SP, CJSC, UGMK-Holding Verkhnyaya Pishma, Sverdlovsk region.	2013

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Modernization of electricity metering system. Engineering, production of equipment, electric wiring and commissioning.	JSC "JV "Katur-Invest", Verkhnyaya Pyshma, Sverdlovsk oblast.	2012
Upgrading of electric equipment of "KONTIROP" unit. Engineering, production of equipment, electric wiring and commissioning.	JSC "JV "Katur-Invest", Verkhnyaya Pyshma, Sverdlovsk oblast.	2012
Commissioning works for a bundle stacker. Engineering, production of equipment, electric wiring and commissioning.	JSC "JV "Katur-Invest", Verkhnyaya Pyshma, Sverdlovsk oblast.	2012
Individual soft start system for high-voltage electric drives of pump units. Engineering, production of equipment, electric wiring and commissioning.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2012
Process control system of a 2500 ton-force press. Commissioning and adjustment of forging plant. Engineering, production of equipment, electric wiring and commissioning.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2012
Optical transport network OTN. Engineering, production of equipment, electric wiring and commissioning Engineering, production of equipment, electric wiring and commissioning.	OJSC "Uralelectromed", Verkhnyaya Pyshma, Sverdlovsk oblast.	2012
Reconstruction of aluminum ingot milling machine. Engineering, production of equipment, electric wiring and commissioning.	JSC "Alcoa Metallurg Rus", Belaya Kalitva, Rostov oblast.	2012
Commissioning Works at the Roller Electric Heating Furnace Area. Commissioning activities.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2012
The company specialists completed commissioning works and put into operation the system of nonrestrained measuring cut on guillotine shears of hot-rolling mill "2800". Design works, delivery and commissioning.	JSC "Alcoa Metallurg Rus", Belaya Kalitva, Rostov oblast.	2012
Commissioning Works on Emergency Switching Circuit of Air-Blower's Power Supply from Standby Power Supply—Diesel-Generator Set. Design works, delivery and commissioning.	JSC "JV "Katur-Invest", Verkhnyaya Pyshma, Sverdlovsk oblast.	2012
Labor Regulation in Automated Control System "Titan 16" of Rolling Workshop. Design works, delivery and commissioning.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2012
Implementation of kerosene injection system for work rolls of 5-stand hot-rolling mill. Engineering, construction, erection and commissioning of the system.	OJSC "SMZ-ALKOA", Samara.	2011
Reconstruction of electric drives and control system of mill 2800. Engineering, construction, erection and commissioning of the system. Engineering, construction, erection and commissioning of the system.	JSC "Alcoa Metallurg Rus", Belaya Kalitva, Rostov oblast.	2011
Capital repair of control system of ageing furnace. Engineering, construction, erection and commissioning of the system.	LLC "Burlinie trubi", Kamensk-Uralsky, Sverdlovsk oblast.	2011
Control system of cold-rolling mill "Quarto-2800". Engineering, construction, erection and commissioning of the system. Engineering, construction, erection and commissioning of the system.	JSC "Alcoa Metallurg Rus", Belaya Kalitva, Rostov oblast.	2011
Commissioning of process control system for a forging plant of a 3000 ton-force press. Engineering, production of equipment, electric wiring and commissioning.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2011
Monitoring and control system of bar and profile flattening at tension-leveling machine No. 315. Complete package of mechanical, electrical installation and commissioning work.	JSC "Alcoa Metallurg Rus", Belaya Kalitva, Rostov oblast.	2011
Adjustment works for modernization of slitting line No. 5. Engineering, delivery of electric cabinets, commissioning.	OJSC "SMZ-ALKOA", Samara.	2010

Development and commissioning of high-voltage electric drives of smoke exhausts. Design, supervision of erection, commissioning.	OJSC "SUMZ", Revda, Sverdlovsk oblast.	2010
Reconstruction of electric drive for mill stand of foil-rolling mill. Design, supervision of erection, commissioning.	OJSC "Sayanogorsk Aluminum Plant", Sayanogorsk, Republic of Khakassia.	2010
Jet-type flat ingot heating furnace. Design, supervision of erection, commissioning.	OJSC "KUMZ", Kamensk-Uralsky, Sverdlovsk oblast.	2010
Reconstruction of electric drive for mill stand of foil-rolling mill. Design, supervision of erection, commissioning.	OJSC "Sayanogorsk Aluminum Plant", Sayanogorsk, Republic of Khakassia.	2010
High-pressure pump-and-accumulator station 320. Design, software delivery.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2010
Process control system of press with power of 6000 ton-force. Design, software delivery.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2010
Modernization of electric equipment of piling line. Development of design documentation and software.	JSC "JV "Katur-Invest", Verkhnyaya Pyshma, Sverdlovsk oblast.	2010
Modernization of electric equipment of "KONTIROP" plant. Design, delivery, erection, adjustment.	JSC "JV "Katur-Invest", Verkhnyaya Pyshma, Sverdlovsk oblast.	2010
Major repair of horizontal hardening furnace. Design, construction, installation, adjustment, start-up.	OJSC "KUMZ", Kamensk-Uralsky, Sverdlovsk oblast.	2009
Modernization of control system and electric drives of brush gears. Engineering, delivery of electric cabinets, commissioning.	OJSC "Samarskiy metallurgical plant", Samara.	2009
Commissioning of process control system of vertical hardening furnace No. 7. Engineering, delivery of electric cabinets, commissioning.	OJSC "SMZ-ALKOA", Samara.	2009
Modernization of headpiece positioning system of down-feed direct rolling machine, ABP-1600 series. Design works, delivery and commissioning.	OJSC "Urals Foil", Mikhailovsk, Sverdlovsk oblast.	2008
Automation of pressing line No. 11 with pressing power of 750 ton-force in shop No. 3/40. Design, kitting-up, start-and-adjustment works.	OJSC "KUMZ", Kamensk-Uralsky, Sverdlovsk oblast.	2008
Commissioning of oil station for pressure screws of hot-rolling mill 2840, shop No. 2. Design, kitting-up, start-and-adjustment works.	OJSC "KUMZ", Kamensk-Uralsky, Sverdlovsk oblast.	2008
Group soft start system of high-voltage electric drives for turbocompressors. Design, kitting-up, start-and-adjustment works.	SUE JSC "Tajik Aluminum Plant", Tursunzade, Tajikistan.	2008
Industrial control system of "dry" gas-cleaning unit, complex No. 2 of the 5th series of cell room for 300 kA with calcined anodes. Design, kitting-up, start-and-adjustment works.	OJSC "Irkutsk Aluminum Plant", Shelekhov, Irkutsk oblast.	2008
Reconstruction of electric drives and automated control system of pump-and-accumulator station. Design, kitting-up, start-and-adjustment works.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2008
Elaboration of circuit diagrams and software for automated control system of pump-and-accumulator station, servicing a forge complex of "SKODA" company. Design, software delivery.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2008
Elaboration of circuit diagrams and software of industrial control system for a forge complex with presses of 6000 ton-force and 2500 ton-force of "SKODA" company. Design, software delivery.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2008
Supervisory system of gas supply facilities. Design, construction, installation, adjustment, start-up.	OJSC "SMZ-ALKOA", Samara.	2008
Automated control system of treatment facilities of industrial rainwater disposal. Design, software delivery.	OJSC "Uralelectromed", Verkhnyaya Pyshma, Sverdlovsk oblast.	2008
Package job contract OJSC "SMZ-ALKOA" "Reconstruction of forging industry"		2006-2008

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Reconstruction of building for forging production. Reinforcement of industrial flooring—design. Definition of building type as to explosion-and fire-safety. Heat insulation of housing—design. Construction of indirect heating system of housing on basis of gas heat-generators—design, delivery, construction, installation, adjustment, start-up. Gas supply of housing with separation of processing and heating gas pipelines—design, construction, installation, adjustment, start-up. Replacement of metal construction of transport layer for presses 106 and 170—design, construction, installation, adjustment. Installation of 4 automatic roll-type gateways of “Herrnan” company—design, construction, installation, adjustment.	OJSC “SMZ-ALKOA”, Samara.	
Building for compressor plant. Construction.	OJSC “SMZ-ALKOA”, Samara.	
Two compressor plants with soft-start and visualization system for operator workstation of pump-and- accumulator plant. Design, installation, adjustment.	OJSC “SMZ-ALKOA”, Samara.	
Modernization of the first stage of pump-and-accumulator plants with introduction of pumps of “How-Hinke” company and automated control system. Design, installation, adjustment, start-up.	OJSC “SMZ-ALKOA”, Samara.	
Ultrasonic inspection area. Construction, installation of equipment.	OJSC “SMZ-ALKOA”, Samara.	
Three gas furnaces of “OTTO JUNKER” company. Design, construction, installation, adjustment, start-up.	OJSC “SMZ-ALKOA”, Samara.	
Modernization of electrical and hydraulic parts of press with tonnage of 75000 tons. Design, construction, installation, adjustment, start-up.	OJSC “SMZ-ALKOA”, Samara.	
Modernization of automated series current control system. Design, delivery, adjustment work.	OJSC “Alukom-Taishet”, Taishet, Irkutsk oblast.	2007
Metal-wire mouth-piece positioning unit for a casting mold of direct rolling plant 1600. Design, delivery, adjustment work.	OJSC “Urals Foil”, Mikhailovsk, Sverdlovsk oblast.	2007
Automation system for electric drives of reverse water supply. Design work.	OJSC “KUMZ”, Kamensk-Uralsky, Sverdlovsk oblast.	2007
Adjustment of thyristor exciters. Adjustment work.	OJSC “KUMZ”, Kamensk-Uralsky, Sverdlovsk oblast.	2007
Main drive of a turning mill. Design, delivery, adjustment work.	OJSC “KUMZ”, Kamensk-Uralsky, Sverdlovsk oblast.	2007
Metal-wire mouth-piece positioning unit for a casting mold of direct rolling plant 1600. Design, delivery, adjustment work.	JSC “Erevansky Aluminum Plant”, Yerevan, Armenia.	2007
Automated dispatcher and process optimization system—the first stage. Engineering and commissioning.	JSC “VSMPO-AVISMA Corporation”, Verkhnyaya Salda, Sverdlovsk oblast.	2007
Reconstruction of pump-and-accumulator station (320 atmospheres) for presses. Engineering, delivery, start-and-adjustment works.	OJSC “SMZ-ALKOA”, Samara.	2007
Reconstruction of horizontal press with effort of 20000 tons. Engineering.	OJSC “SMZ-ALKOA”, Samara.	2007
Automated process control system of “dry” gas purification plant No. 1 with gas and smoke flues. Design, delivery, start-and-adjustment works.	“IrkAZ SUAL”, Shelekhov, Irkutsk oblast.	2007
Automated process control system for press with effort of 1500 tons. Design, delivery, adjustment works.	JSC “VSMPO-AVISMA Corporation”, Verkhnyaya Salda, Sverdlovsk oblast.	2006
Indirect thickness measurement (calculation) system for plate hot-rolling mill. Design, delivery, adjustment works.	JSC “VSMPO-AVISMA Corporation”, Verkhnyaya Salda, Sverdlovsk oblast.	2006

Roll-grinding machine. Design, delivery, adjustment works.	OJSC "Urals Foil", Mikhailovsk, Sverdlovsk oblast.	2006
Development of automated process control system for press with effort of 1500t. Design, delivery, adjustment works.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2006
Reconstruction of furnaces (CNZH type) for blending and pre-annealing of aluminum strip. Design, delivery, adjustment works.	JSC "Erevansky Aluminum Plant", Yerevan, Armenia.	2006
Electric rolling furnace. Design, delivery, adjustment works.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2006
Reconstruction of aluminum continuous-casting and rolling plant. Design, delivery, adjustment works.	OJSC "SUAL-Holding", Kandalaksha, Murmansk oblast.	2005
Modernization of control systems of continuous 5-stand cold-rolling mill "1800" Adjustment work.	OJSC "Samarsky Metallurgical Plant", Samara.	2005
Control system of 20-roll reversing mill "1200". Design works, delivery of equipment, adjustment.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2005
Reconstruction of main drive of mill "KVARTO-2800". Adjustment work.	OJSC "KUMZ", Kamensk-Uralsky, Sverdlovsk oblast.	2005
Automated process control system of shaft furnace No. 3. Design, delivery, adjustment works.	OJSC "SUAL-Holding", Krasnoturyinsk, Sverdlovsk oblast.	2004-2005
Foil-doubling plant DMR 9860. Elaboration of design documentation, production and delivery of equipment, adjustment.	JSC JSC "Mikhailovsky Fabricator", Mikhailovsk, Sverdlovsk oblast.	2004
Reconstruction of main drive of hot-rolling mill KVARTO 2840. Adjustment works.	OJSC "KUMZ", Kamensk-Uralsky, Sverdlovsk oblast.	2004
Automated series current control system of electrolytic cells. Design.	OJSC "SUAL-KAZ", Kandalaksha, Murmansk oblast.	2004
Automated process control system for loading of power units (smoke exhausters) of dry gas purification plant. Design.	OJSC "SUAL-Holding", Krasnoturyinsk, Sverdlovsk oblast.	2004
Development of fundamental concept of automated metal follow-up system in enclosures of electrolysis shop at Bogoslovsky aluminum plant (ASU-MASSA). Design.	OJSC "SUAL-Holding", Krasnoturyinsk, Sverdlovsk oblast.	2004
Automated process control system of calcination shop. Design.	OJSC "SUAL-Holding", Krasnoturyinsk, Sverdlovsk oblast.	2004
Automated process control systems of a gas-treating plant of the 6th series of electrolysis shop. Design, production and delivery of equipment, adjustment.	OJSC "Bogoslovsky Aluminum Plant", Krasnoturyinsk, Sverdlovsk oblast.	2003-2004
Reconstruction of main drives, mill control system, introduction of flatness of foil-rolling mill No. 3 AHENBAH. Design, kitting-up, start-and-adjustment works.	OJSC "Mikhalum", Mikhailovsk, Sverdlovsk oblast.	2003
Reconstruction of aluminum rod mill. Design.	OJSC "SUAL-KAZ", Kandalaksha, Murmansk oblast.	2003
Hardware of automated process control system of bauxite pressure leaching area "Leaching-4". Elaboration of design documentation, production and delivery of equipment, adjustment.	OJSC "Bogoslovsky Aluminum Plant", Krasnoturyinsk, Sverdlovsk oblast.	2003
Automated electro-technical complex of thin-cutting line. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Mikhalum", Mikhailovsk, Sverdlovsk oblast.	2003
Control system of parametric current supply. Development, engineering, adjustment.	OJSC "Alukom-Taishet", Taishet, Irkutsk oblast.	2002
Reconstruction of electric drives, electric equipment, automation system of hot rolling mill "Kvarto 112". Start-and-adjustment works.	OJSC "KUMZ", Kamensk-Uralsky, Sverdlovsk oblast.	2002
Automated series current control system. Development, engineering, production of control system, adjustment.	JSC "Tajik Aluminum Plant", Tursunzade, Tajikistan.	2001-2003

Non-Ferrous Metallurgy

Hardware of automated process control system of bauxite pressure leaching area "Leaching-3". Elaboration of design documentation, production and delivery of equipment, adjustment.	OJSC "Bogoslovsky Aluminum Plant", Krasnoturyinsk, Sverdlovsk oblast.	2001-2002
Automated system of supervisory control KPP1 and KPP2. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Urals Aluminum Plant", Kamensk-Uralsky, Sverdlovsk oblast.	2001
Control system KVA 63kA, 930 V of a new generation. Series current stabilization. Elaboration of engineering documentation.	Aluminum plant "OKSA", Khakass Republic.	2001
Reconstruction of electric drives and control system of direct rolling plant 1600 No. 2, shop No. 5. Design, start-and-adjustment works.	OJSC "Mikhalum", Mikhailovsk, Sverdlovsk oblast.	2001
Reconstruction of cross-bar transfer drive of melting-foundry unit (3 units are equipped). Elaboration of design documentation, production and delivery of equipment, adjustment.	OJSC "KUMZ", Kamensk-Uralsky, Sverdlovsk oblast.	2001
Direct rolling plant 1. Adjustment of electric drives.	OJSC "Mikhalum", Mikhailovsk, Sverdlovsk oblast.	2000
Reconstruction of hardware set for automated process control system of bauxite pressure leaching area No. 2. Production and delivery of object-oriented low-voltage complete devices and panel equipment.	OJSC "Bogoslovsky Aluminum Plant", Krasnoturyinsk, Sverdlovsk oblast.	2000
Control system of secondary copper processing area of copper-smelting shop. Design, start-and-adjustment works.	JSC "Uralelectromed", Verkhnyaya Pyshma, Sverdlovsk oblast.	1999-2000
Automated series current control system (5 series are equipped). Design, software delivery.	OJSC "Bogoslovsky Aluminum Plant", Krasnoturyinsk, Sverdlovsk oblast.	1999-2000
Reconstruction of control system for exit side of rod mill No. 2. Design, kitting-up, start-and-adjustment works.	JSC "Tajik Aluminum Plant", Tursunzade, Tajikistan.	1996-1998
Programmable series current control system. Design, kitting-up, start-and-adjustment works.	OJSC "Urals Aluminum Plant", Kamensk-Uralsky, Sverdlovsk oblast.	1996
Microprocessor control, protection and signaling device of diode rectifier unit 32 kA with saturable reactors (4 plants are equipped). Design, kitting-up, start-and-adjustment works.	OJSC "Irkutsky Aluminum Plant", Shelekhov, Irkutsk oblast.	1996
Electric equipment of a roll grinder, model 3415K. Design of reconstruction, kitting-up, delivery, start-and-adjustment works.	JSC "Tajik Aluminum Plant", Tursunzade, Tajikistan.	1996
Reconstruction of cold rolling mill "1800". Design of reconstruction, kitting-up, delivery, start-and-adjustment works.	JSC "Mikhailovsky Fabricator", Mikhailovsk, Sverdlovsk oblast.	1995-2000
Programmable series current control system (8 series are equipped). Design, kitting-up, start-and-adjustment works.	OJSC "Bratsky Aluminum Plant", Bratsk, Irkutsk oblast.	1995-1997
Electric arc furnaces. Design, kitting-up, delivery, start-and-adjustment works.	OJSC "Sredneural'sky Copper-Smelting Plant", Revda, Sverdlovsk oblast.	1995-1996
Automatic foil packer. Design, kitting-up, delivery, start-and-adjustment works.	JSC "Mikhailovsky Fabricator", Mikhailovsk, Sverdlovsk oblast.	1995
Cold rolling mill DUO-720-1000. Design, kitting-up, delivery, start-and-adjustment works.	JSC "Tajik Aluminum Plant", Tursunzade, Tajikistan.	1994-1995
Reversing cold-rolling mill "Kvarto-250". Design, kitting-up, delivery, start-and-adjustment works.	JSC "Mikhailovsky Fabricator", Mikhailovsk, Sverdlovsk oblast.	1994
Foundry-rolling plant for aluminum strip production. Design, kitting-up, delivery, start-and-adjustment works.	JSC "Tajik Aluminum Plant", Tursunzade, Tajikistan.	1994

POWER ENGINEERING, ENERGY-SAVING

Automated control system for denitrification plant and monitoring parameters of electrostatic precipitator for power generating units. Equipment delivery.	LLC "Nizhnekamskaya TEZ", Nizhnekamsk, Republic of Tatarstan	2016
Commissioning of electrical equipment of 30/5-ton crane control system. Equipment delivery, software development, commissioning.	Beloyarskaya Nuclear Power Plant, Zarechny, Sverdlovsk region.	2016
Automated control system for gas treatment bag filters. Equipment delivery, testing, commissioning	Reftinskaya GRES, Reftinsky settlement, Sverdlovsk region.	2015
Control and monitoring of bag filter gas cleaning mechanisms. Design, equipment delivery, commissioning.	OJSC "Enel OGK-5", Reftinskaya GRES, Reftinsky settlement, Sverdlovsk region.	2014
Commissioning procedures as a part of crane electrical equipment modernization. Software development, equipment manufacture and supply, commissioning.	OJSC "Rosenergoatom Concern", Beloyarskaya AES branch, Zarechny, Sverdlovsk region.	2014
Metrological certification of measuring channels of automated process control system for automatic bunker loading of 500MW units. Design, equipment delivery, commissioning.	OJSC "Enel OGK-5", Reftinskaya GRES, Reftinsky settlement, Sverdlovsk region.	2014
Repair of a medium voltage drive ACS1000 on the Molikpaq drilling platform.	Sakhalin Energy Investment Company Ltd, Yuzhno-Sakhalinsk, Sakhalin region.	2014
Program-technical condensate purification complex at Sredneuralsk Power Station. Start-and-adjustment works.	OJSC "Enel OGK-5", Ekaterinburg.	2014
Control System of Incineration Unit. Production, delivery.	Rosenergoatom Concern, JSC, Branch, Novovoronezh NPP, Semiluky city, Voronezh region.	2013
Installation for Ion-Selective Purification of Liquid Radioactive Waste. Design, delivery, adjustment, start-up.	Rosenergoatom Concern, JSC, Branch, Smolensk NPP, Desnogorsk city, Smolensk region.	2013
Programming and Commissioning of IDROCALOR Heat Treatment Furnaces. Programming, start-and-adjustment works.	SVEL – instrument transformers, LLC Ekaterinburg, Sverdlovsk region.	2013
Development and Adjustment of Software of the Control System of Power Unit Bag Filters No.5 of Reftinskaya GRES. Development and Adjustment of Software.	Enel OGK-5, OJSC Ekaterinburg, Sverdlovsk region.	2013
Design Works and Delivery of Electric Equipment for Condensate Polishing Reconstruction of Sredneuralskaya GRES. Design, delivery, adjustment, start-up.	OJSC "Enel OGK-5", Ekaterinburg.	2013
Design Works and Delivery of Electric Equipment for Condensate Polishing Reconstruction of Sredneuralskaya GRES. Design, delivery, adjustment, start-up.	OJSC "Enel OGK-5", Ekaterinburg.	2013
Reconstruction of Automated Loading System of 500 MW Units' Bunkers. Design, delivery, adjustment, start-up.	OJSC "Enel OGK-5", Ekaterinburg.	2012
Commissioning of frequency converter ACS5000 for main-line pumps. Start-and-adjustment works.	Bobruyskaya thermoelectric power station No. 2, RUE "Mogilevenergo", Bobruysk, Mogilev oblast, Belarus.	2011
Automated control system for primary treatment of the 1st and the 2nd stages of demineralizing plant of chemical shop, Sredneuralsk state district power station. Design, delivery, adjustment, start-up.	Sredneuralskaya GRES, Sredneuralsk, Sverdlovsk oblast.	2010
Group soft-start systems for high-voltage synchronous electric drives of turbine compressors. Design, delivery, adjustment, start-up.	LLC, "Visokogorskiy Ore-Dressing Enterprise" (VGOK), Nizhny Tagil, Sverdlovsk oblast.	2009
Completed is the stage of design and commissioning works for the 1st step of preliminary treatment and demineralizer of water treatment plants, chemical department of Sredneuralsk hydropower station. Design, delivery, adjustment, start-up.	Sredneuralskaya GRES, Sredneuralsk, Sverdlovsk oblast.	2009
Modernization of electric drive of sinking pump. Design, delivery, adjustment, start-up.	OJSC "Uralelectromed", Verkhnyaya Pyshma, Sverdlovsk oblast.	2008
Modernization of power supply supervisory control system. Design, delivery, adjustment works.	OJSC OJSC "Bratsky Aluminum Plant", Bratsk, Irkutsk oblast.	2006

Powetr engineering, energy-saving

Power-saving wide-range-variable induction motor drive of a new generation. Design. Production of pilot model. Commissioning.	JSC "VSMPO-AVISMA Corporation", Verkhnyaya Salda, Sverdlovsk oblast.	2006
Group smooth start system of high-voltage plants. Design, production, commissioning.	Holding "UMMC", Verkhnyaya Pyshma, Sverdlovsk oblast.	2005-2006
Multifunctional power complex based on wind-power and diesel stations. Design, production of pilot model.	RAO "UES of Russia", Moscow.	2005
Automated system of technical energy recording. Design.	OJSC "SUAL-KAZ", Kandalaksha, Murmansk oblast.	2004
Automated complex of pumping units for continuous casting department of "dirty" reverse cycle. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Nizhnetagilsky Metallurgical Plant", Nizhny Tagil, Sverdlovsk oblast.	2003
Automated complex of pumping units for heat-treatment department of rail and structural steel shop. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Nizhnetagilsky Metallurgical Plant", Nizhny Tagil, Sverdlovsk oblast.	2003
Automated complex of combustion air fans for walking-beam heating furnace No. 1. Development, engineering, production of electro-technical complex, adjustment.	OJSC "Nizhnetagilsky Metallurgical Plant", Nizhny Tagil, Sverdlovsk oblast.	2003
Repair and adjustment of control system of ventilating units. Delivery, adjustment.	OJSC "Mineral Fertilizers", Perm.	2002
Reconstruction of electric equipment of steam-water boiler No. 4 of E-50-14 type. Design.	OJSC "Tchusovskoi Metallurgical Plant", Tchusovoi, Perm Krai.	2001
Reconstruction of purified-water pumping station of reverse water supply. Design, delivery.	OJSC "Tchusovskoi Metallurgical Plant", Tchusovoi, Perm Krai.	1999
Reconstruction of electric drives of pumping station of air department. Design, delivery, start-and-adjustment works.	OJSC "Permskaya Brewery Company", Perm.	1999
Microprocessor control system of generator excitation. Development, design, production and adjustment.	"Uralelectrotyazhmash", Ekaterinburg.	1998
Reconstruction of relift pumping station. Design, delivery, start-and-adjustment works.	OJSC "Krasnokamskaya Goznak Factory", Krasnokamsk, Perm Krai.	1997-1998
Electric drives of 4 stacks with grounding by water temperature. Design, delivery, start-and-adjustment works.	OJSC "Plant of Mineral Fertilizers", Perm.	1997
Technical energy recording. Development, kitting-up, delivery and trial commissioning.	JSC "Mikhailovsky Fabricator", Mikhailovsk, Sverdlovsk oblast.	1996

TRANSPORT, LIFTING-AND-SHIFTING MASHINERY

Unloading device. Design, software development.	OJSC "Vostochny port", Nakhodka, Vrangal settlement, Primorsky region.	2016
Integration of crushing and grading complex into coal handling complex control system. Equipment delivery, commissioning.	OJSC "Vostochny port", Nakhodka, Vrangal settlement, Primorsky region.	2016
Signalling and interlocking system maintenance in the coal handling complex. Maintenance.	OJSC "Rosterminalugol", Kingisepp, Leningrad region.	2016
Automated system of conveyor belt tear detection. Design.	OJSC "Vostochny port", Nakhodka, Vrangal settlement, Primorsky region.	2016
Detailed engineering and software development for wagon dumpers control system. Design, software development.	OJSC "Vostochny port", Nakhodka, Vrangal settlement, Primorsky region.	2016
MPZ-ASC 1.0 system update. Design.	JSC "Giprostroykost", Ulyanovsk.	2016
Software for coal handling complex automated process control system. Software development.	OJSC "Vostochny port", Nakhodka, Vrangal settlement, Primorsky region.	2015
Control system for unloading device. Design, software development.	OJSC "Vostochny port", Nakhodka, Vrangal settlement, Primorsky region.	2015
Automated process control system of coal handling complex. Design.	OJSC "Vostochny port", Nakhodka, Vrangal settlement, Primorsky region.	2015

Reconstruction of tramcar RVZ-6. Design, equipment delivery, commissioning.	Nizhniy Novgorod.	2015
Design of Microprocessor Interlocking System for a Non-public Railway Station of the 3rd Stage of Coal Handling Complex. Design, software development.	OJSC "Vostochny port", Nakhodka, Vrangel settlement, Primorsky region.	2014
Maintenance of microprocessor-based interlocking system of railway complex.	OJSC "Rosterminalugol", Kingisepp, Leningrad region.	2014
Software modification and tuning for automated process control system of crushing and screening complexes, commissioning	OJSC "Vostochny port", Nakhodka, Vrangel settlement, Primorsky region.	2014
Revamping of microprocessor-based interlocking system of railway complex. Design, equipment delivery.	OJSC "Rosterminalugol", Kingisepp, Leningrad region.	2014
Modernization of electrical equipment for car production line MO3. Software modification, commissioning.	OJSC "AvtoVAZ", Renault-Nissan concern, Togliatti, Samara region.	2014
Software Development of Data Collection and Primary Processing System for Conveyor Samplers. Software development.	OJSC "Vostochny port", Nakhodka, Vrangel settlement, Primorsky region.	2014
Software modification for automated process control system of crushing and screening complex. Software modification, commissioning.	OJSC "Vostochny port", Nakhodka, Vrangel settlement, Primorsky region.	2014
Automated process control system for the central control room of coal handling terminal. Software development, commissioning.	OJSC "Vostochny port", Nakhodka, Vrangel settlement, Primorsky region.	2014
Electrical equipment and control system of casting overhead crane with lifting capacity 180/63/20 tons. Design, equipment delivery, commissioning.	OJSC "EVRAZ ZSMK", Novokuznetsk, Kemerovo region	2013
71-405-11 test car with independent course in winter conditions. Test.	OJSC "Uraltransmash", Ekaterinburg.	2013
Modernization of electrical car 71-403. Design, delivery, start-and-adjustment works.	EMUP "Tram and trolleybus management" Ekaterinburg.	2013
Modernization of electrical car Tatra-3. Design, delivery, start-and-adjustment works.	EMUP "Tram and trolleybus management" Ekaterinburg.	2013
Supply of electrical equipment for the modernization of 25 tramcars Tatra-3 for the cities of Krasnodar and Samara. Design, delivery, start-and-adjustment works.	MUP "Krasnodar Tram and Trolleybus management", Krasnodar, Samara CSSM "Tram and trolleybus management."	2013
Supply of electrical equipment for 50 tramcars for urban N. Novgorod, Tula, Krasnodar, Taganrog, N-Tagil, Ekaterinburg. Design, delivery, start-and-adjustment works.	OJSC "Uraltransmash", Ekaterinburg.	2013
Designing, manufacturing and supply of cabinets for compressor station. Design, delivery, start-and-adjustment works.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2013
Program-Technical Complex of Self-Cleaning Suspended Electromagnets of the Universal Handling Terminal (PPK-3). Designing, Manufacturing and Implementing, start-and-adjustment works.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2013
Modernization of electric drive for hydro-station of reclaimer No. 1 bucket wheel. Design, delivery, start-and-adjustment works.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2012
Backup of control and visualization server for microprocessor centralization. Design, delivery, start-and-adjustment works.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2012
Modernization of electric drive for car dumper turning and control board for car dumpers No. 1 and No. 2 Design, delivery, start-and-adjustment works.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2012
Commissioning activities at AVTOVAZ conveyor line. Start-and-adjustment works.	OJSC "AVTOVAZ", Togliatti, Samara oblast.	2012
Commissioning activities at vehicle production line "AVTOVAZ". Commissioning activities	OJSC "AVTOVAZ", Togliatti, Samara oblast.	2012
Testing of a self-consistent (autonomous-run) tram. Design, delivery, start-and-adjustment works.	OJSC "Uraltransmash", Ekaterinburg.	2012

Transport, Lifting And Shifting Mashinery

Modernization of electric drive for car dumper turning and control board for car dumpers No. 1 and No. 2. Design, delivery, start-and-adjustment works.	OJSC "Vostochny port", Nakhodka, Primorski Krai.	2012
Commissioning Works at Automobile Production Line. Start-and-adjustment works.	Group of companies "Peugeot-Citroen-Mitsubishi", Kaluga.	2012
Delivery of traction equipment for modernization of 11 tram cars of model 71-403 for the town of Nizhny Novgorod. Design, delivery, start-and-adjustment works.	OJSC "Uraltransmash", Ekaterinburg.	2012
Delivery of equipment and testing of car of model 71-409 with a 100% -low floor. Design, delivery, start-and-adjustment works.	OJSC "Uraltransmash", Ekaterinburg.	2012
Testing of tram car of model 71-405-11 with autonomous operation up to 100 km on lithium-ion electric batteries. Design, delivery, start-and-adjustment works.	OJSC "Uraltransmash", Ekaterinburg.	2012
Delivery of equipment for 30 tram cars of model 71-407-08. Design, delivery, start-and-adjustment works.	OJSC "Uraltransmash", Ekaterinburg.	2012
Commissioning activities at AVTOVAZ conveyor line. Design, delivery, start-and-adjustment works.	OJSC "AVTOVAZ", Togliatti, Samara oblast.	2012
Modernization of electric drive for car dumper turning and control board for car dumpers No. 1 and No. 2 Design, delivery, start-and-adjustment works.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2012
Software optimizing, commissioning of additional rail track "Coal terminal" in "Ust-Luga" port. Design, delivery, start-and-adjustment works.	OJSC "Rosterminalugol", Ust-Luga, Leningrad oblast.	2011
Commissioning of transport system for roll material metalizing plant GAMMA-1615-3. Start-and-adjustment works.	Yantai, China.	2011
Microprocessor-based alarm, centralization and lock-up system of "ASC" manufacture for railway yard. Programming, start-and-adjustment works.	JSC "Balakovo Mineral Fertilizers", Saratov oblast.	2011
Testing of wireless tram of OJSC "Uraltransmash" production with innovative traction electrical equipment, developed and manufactured by CJSC "ASC". Design, delivery, start-up.	OJSC "Uraltransmash", Ekaterinburg.	2011
Development of equipment of tram car of model 71-407-08 with partially low floor. Design, delivery, start-up.	OJSC "Uraltransmash", Ekaterinburg.	2011
Development of equipment for a 100%-low-floor tram car of model 71-409. Design, delivery, start-up.	OJSC "Uraltransmash", Ekaterinburg.	2011
Development and delivery of equipment of tram car of model 71-405-11. Design, delivery, start-up.	OJSC "Uraltransmash", Ekaterinburg.	2011
Testing of tram car of model 71-405-11 with autonomous operation on super capacitors. Design, delivery, start-up.	OJSC "Uraltransmash", Ekaterinburg.	2011
Win in the tender and delivery of 16 sets of equipment for modernization of cars "Tatra-3". Design, delivery, start-up.	SUE "Mosgortrans", Moscow.	2011
Delivery of the 1st set of equipment for modernization of cars "Tatra-3". Design, delivery, start-up.	MUE "Ulyanovskelectrotrans", Ulyanovsk.	2011
Continuation of equipment delivery for modernization of cars "Tatra-3". Design, delivery, start-up.	MUE "TTP", Krasnodar.	2011
Rolling-stock tracking and accounting system of "Coal terminal" station. Design, delivery, start-and-adjustment works.	OJSC "Rosterminalugol", Ust-Luga, Leningrad oblast.	2010
Reconstruction of processing line. Design, delivery, start-and-adjustment works.	EMUP "Ekaterinburg Tram and Trolleybus Department", Ekaterinburg.	2010
Test bench for diesel generators DG-880 and DG-1400. Design, delivery, start-and-adjustment works.	LLC "Uralskiy Diesel-Motor Plant", Sinara Transport Machines Group, Ekaterinburg.	2010
Updating of control system of T3M tram traction drive. Design, delivery, start-and-adjustment works.	EMUP "Ekaterinburg Tram and Trolleybus Department", Ekaterinburg.	2010

Modernization of microprocessor-based alarm, centralization and lock-up system of coal terminal. Electrical installation and commissioning works.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2010
Microprocessor railway interlocking system of coal terminal. Production, bench tests and delivery of equipment.	OJSC "Rosterminalugol", Ust-Luga, Leningrad oblast.	2009
Upgrading of database server of microprocessor interlocking system "signaling-interlocking-blocking". Development, production, testing	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2009
Bridge charging crane with capacity of 500/100+20 t. Delivery and commissioning.	OJSC "Severstal", Cherepovets, Vologda oblast.	2009
Bridge magnet-bucket crane with lifting capacity of 32/32 tons. Development, production.	OJSC "Oskolskiy Electrometallurgical Plant" (OEMK), Stariy Oskol, Belgorod oblast.	2009
Bridge charging crane with capacity of 500/100+20 t. Production, testing.	OJSC "Severstal", Cherepovets, Vologda oblast.	2009
Trams for a native city. Production, testing.	EMUP "Ekaterinburg Tram and Trolleybus Department", Ekaterinburg.	2009
Commissioning of microprocessor interlocking system for railway lines of coal terminal of "Ust-Luga" port. Design, delivery, start-and-adjustment works.	OJSC "Rosterminalugol", Ust-Luga, Leningrad oblast.	2009
Electric equipment and control system of ladle bridge crane with lifting capacity of 120+32 tons. Design, delivery, start-and-adjustment works.	Metallurgical complex "Casting and Rolling Complex (CRC), United Metallurgical Company", Vyksa, Nizhniy Novgorod oblast.	2008
Electric equipment and control system of radio-controlled bridge crane with lifting capacity of 90/20 tons. Design, delivery, start-and-adjustment works.	Metallurgical complex "Casting and Rolling Complex (CRC), United Metallurgical Company", Vyksa, Nizhniy Novgorod oblast.	2008
Update of tram cars with traction drive of "ASC". Development, production, testing. Development, production, testing.	Nizhniy Novgorod.	2008
Electric equipment and control system of special bridge crane with lifting capacity of 90/20 tons -3 pcs. Design, delivery, start-and-adjustment works.	Metallurgical complex "Casting and Rolling Complex (CRC), United Metallurgical Company", Vyksa, Nizhniy Novgorod oblast.	2008
Traction motor drive with microprocessor control system of "Uraltransmash" car family. Development of design documentation, pilot-line production, testing, full-scale production.	EMUP "Ekaterinburg Tram and Trolleybus Department", Ekaterinburg.	2007
Electric equipment and control system of bridge crane with lifting capacity of 90/20 tons. Design, delivery, start-and-adjustment works.	Metallurgical complex "Casting and Rolling Complex (CRC), United Metallurgical Company", Vyksa, Nizhniy Novgorod oblast.	2007
Electric equipment and control system of magnet bridge crane with lifting capacity of 90/20 tons. Design, delivery, start-and-adjustment works.	Metallurgical complex "Casting and Rolling Complex (CRC), United Metallurgical Company", Vyksa, Nizhniy Novgorod oblast.	2007
Set of converter facilities of microprocessor-controlled traction DC drive for modernization of tram-cars of "Tatra-3" type. Development of design documentation, pilot-line production, testing, full-scale production.	EMUP "Ekaterinburg Tram and Trolleybus Department", Ekaterinburg. Haulers of Krasnodar, Samara, Nizhny Novgorod.	2006
Modernization of control system for coal loaders in "Vostochny" port. Design, kitting-up and delivery of equipment, adjustment works.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2005
Stand CMT-1 for testing of converter of traction frequency induction motor drive. Engineering, production, adjustment.	OJSC FSUE "VECTOR", Ekaterinburg.	2004
Automation and power interlocking system of microprocessor signaling and interlocking system of coal terminal. Engineering, production, adjustment.	OJSC "Vostochny Port", Nakhodka, Vrangel, Primorski Krai.	2003
Traction drive with induction traction motor and microprocessor control system for trolley-bus. Elaboration of design documentation, pilot-line production, testing and start-up of full-scale production.	OJSC "Bashkirsky Trolleybus Plant", Ufa.	2002

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Set-up and testing plant for frequency converters of traction frequency induction motor drives for tram car "SPECTR". Development of plant, production of feeding and loading equipment, adjustment and generation of automated test procedures.	OJSC FSUE "VECTOR", Ekaterinburg.	2001-2002
Traction AC drive with microprocessor control system for tram car "SPECTR-1". Elaboration of design documentation, pilot-line production, testing and start-up of full-scale production.	EMUP "Ekaterinburg Tram and Trolleybus Department", Ekaterinburg.	1998-1999
Automatic control unit of tram car "SPECTR-1". Development, pilot-line production, testing.	Program "SPECTR", Ekaterinburg.	1996-1998

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Power supply system and process automation for shaft kiln. Design.	OJSC «Soligalich lime plant», Turovka village, Kostroma region.	2016
Upgrade of electrical equipment of the winder ZR-6x3,4/0,6. Design, equipment delivery, commissioning, commissioning	"Donskoy Ore Mining and Processing Plant", branch of JSC "TNK Kazchrome", Khromtau, Republic of Kazakhstan	2016
Revamping of automated process control system for shaft lime kilns in reagent preparation department of ore processing plant. Design, software development.	JSC "Uchalinsky GOK", Uchaly, Republic of Bashkortostan	2016
Modernization of mixed feed shaft lime kilns. Installation of gate systems. Design.	OJSC «Soligalich lime plant», Turovka village, Kostroma region	2015
Block-modular mud circulation system. Design, equipment delivery, commissioning.	«Orenburg burenie», a branch of LLC «Gazprom burenie», Orenburg	2015
Commissioning of data collection and frequency converter diagnostics devices.	LLC "Transneft Vostok", Bratsk, Irkutsk region.	2015
Revamping of shaft kiln electrical equipment. Design.	OJSC «Soligalich lime plant», Turovka village, Kostroma region.	2015
Automated Control System for Kiln Installations and Transportation Systems of Lime Burning Area. Design.	CJSC «Dobryatinsky Lime Production Plant», Dobryatino settlement, Vladimir region.	2015
Revamping of Pumping Unit for the Drilling Rig Uralmash 3000 EUK-1M. Equipment delivery, commissioning.	CJSC "Siberian Service Company", Nefteugansk branch, Nefteugansk, Khanty-Mansi Autonomous Area.	2015
Electrical equipment for derrick and drawworks unit of the drilling rig Uralmash 3000 EUK. Equipment delivery, supervised installation and commissioning.	CJSC «Siberian Service Company».	2015
Revamping of pumping unit of the drilling rig Uralmash 3000 EUK-1M. Design, equipment delivery, commissioning.	CJSC "Siberian Service Company", Nefteugansk branch, Nefteugansk, Khanty-Mansi Autonomous Area.	2015
Automated process control system for machines and transportation systems of lime burning section. Design	CJSC "Izvestnyak", Jegonass quarry, Ust-Jeguta, Karachay-Cherkess Republic.	2015
Automation system for dry mixture section. Design, equipment delivery, commissioning.	LLC "Starocementny Plant", Sukhoy Log, Sverdlovsk region.	2014
Electrical equipment for pumping unit of the drilling rig Uralmash 3000 EUK-1M. Design, equipment delivery, commissioning.	LLC "Gazprom burenie", Moscow.	2014
Drilling rig remote monitoring system. Design, equipment delivery, commissioning	CJSC "Siberian Service Company", Nefteugansk branch, Nefteugansk, Khanty-Mansi Autonomous Area.	2014
Upgrade of application software for servers and operator stations of automated process control system. Software development, server and client machines setting.	PJCS "Uralkalii", Berezniki, Perm region	2014
Revamping of pumping units of the drilling rig Uralmash BU 3000 EUK-1(2)M. Design, equipment delivery, commissioning.	CJSC "Siberian Service Company", Nefteugansk branch, Nefteugansk, Khanty-Mansi Autonomous Area.	2014
Revamping of derrick-and-drawworks unit of the drilling rig Uralmash BU-3000 EUK 1M. Design, equipment delivery, commissioning.	CJSC "Siberian Service Company", Nefteugansk branch, Nefteugansk, Khanty-Mansi Autonomous Area.	2014
Steel structures for substructure of derrick-and-drawworks unit of the drilling rig Uralmash BU 3200/200 EUK (2 sets). Design, equipment delivery, commissioning.	LLC "Gazprom burenie", Moscow.	2014

Container with electrical equipment for pumping units of the drilling rig Uralmash 3000 EUK-1M (2 sets). Design, equipment delivery, commissioning.	LLC "Gazprom burenie", Moscow	2014
Electrical equipment and control system for lime kiln at "Betoleks" plant. Design, equipment delivery, commissioning.	LLC "Sibirsky Stroitel", Iskitim, Novosibirsk oblast.	2014
High-capacity Container KU-1. Design, delivery. Start-and-adjustment works.	Rexroth Ltd. Moscow	2013
Revamping of clinker cooler control system of the 5th production line at OJSC "Sukholozhskcement". Design, equipment delivery, commissioning.	OJSC "Sukholozhskcement", Sukhoi Log, Sverdlovsk region	2013
Diagnostics of ACS6000 frequency converters for group skip hoisting system drives in Udachny underground mine. Equipment diagnostics, commissioning.	OJSC AK "ALROSA", Mirny, Republic of Sakha (Yakutia).	2013
Cement terminal automated process control system (1st stage). Design, equipment delivery, commissioning.	LLC "Omsk cement", Omsk	2013
Commissioning of the main drive of 36-foot semiautogenous grinding mill.	CJSC "Mikheevsky GOK", Varna settlement, Chelyabinsk region	2013
Commissioning of Revamped Pump Unit of Uralmash 3000 EUK-1M Drilling Rig. Design, delivery. Start-and-adjustment work.	CJSC "Siberian Service Company", Nefteugansk branch, Nefteugansk, Khanty-Mansi Autonomous Area	2013
A Transportable Module with a Group Soft Start System. Design, delivery. Start-and-adjustment work.	Olimpiadinskiy GOK Settlement Eruda, Krasnoyarsk Krai , 2013	2013
Electric Drive of Heat Exchanger Fan. Start-and-adjustment works.	Yuzhno-Uralskaya GPK, LLC Orenburg oblast, Novotroitsk	2013
Drilling rig BU 6000/400 EK-BMCH. Design, delivery. Start-and-adjustment work.	Bosch-Rexroth, Moscow.	2013
Adjustment and commissioning of medium voltage frequency converter ACS5000. Start-and-adjustment works.	Works "Resor", Jusepin, Venezuela.	2013
Derrick with load capacity of 225 tons of Drilling Rig "Uralmash 3000 EUK-1M"-2. Design, delivery. Start-and-adjustment works.	LLC "Variegan Oil Drilling Company, Radujny, Khanty-Mansi Autonomous District.	2013
Drilling rig BU 6000/400 EK-BMCH. Design, delivery. Start-and-adjustment work.	Bosch-Rexroth, Moscow.	2012
Adjustment and commissioning of medium voltage frequency converter ACS5000. Start-and-adjustment works.	Works "Resor", Jusepin, Venezuela.	2012
Derrick with load capacity of 225 tons of Drilling Rig "Uralmash 3000 EUK-1M"-2. Design, delivery. Start-and-adjustment works.	LLC "Variegan Oil Drilling Company, Radujny, Khanty-Mansi Autonomous District.	2012
Individual soft start system for high-voltage electric drives of turbine compressors. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhskcement", Sukhoi Log, Sverdlovsk oblast.	2012
Modernization of automated control systems of pipe-bending machine 1420-TVCH. Design, delivery. Start-and-adjustment works.	LLC "Neftegasdetal Factory", Chaikovsky, Perm Krai.	2012
Individual soft start system for high-voltage synchronous electric drives of reactive power control system. Design, delivery. Start-and-adjustment works.	CJSC "Siberian Service Company", Nefteugansk, Tyumen oblast.	2012
Upgrading of electric drives of pumping unit of drilling rig "Uralmash 3000 EUK-1M". Design, delivery. Start-and-adjustment works	Nefteugansk branch of "Siberian Service Company", Nefteugansk, Tyumen oblast.	2012
Automated control system for lime-burning area of the plant for production of foam concrete structures and work-pieces. Development of design documentation for control instrumentation, process control system and power equipment of lime-burning area.	LLC "Sibirsky Stroitel", Iskitim, Novosibirsk oblast.	2012
Pumping unit modernization of drilling rig "Uralmash 3000 EUK-1M". Design, delivery. Start-and-adjustment works.	CJSC "Siberian Service Company", Nefteyugansk branch, Priobskoe deposit, Khanty-Mansiysk Autonomous District	2012

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Start-up of a high-voltage motor at OJSC "Sebryakovcement", the biggest enterprise of construction industry in Russia. Start-and-adjustment work.	OJSC "Sebryakovcement" Mikhailovsk, Volgograd oblast.	2012
Design, delivery of equipment, erection, commissioning of drive of conveyer SM9 5TL. Start-and-adjustment works.	OJSC "Sukholozhskcement", Sukhoi Log, Sverdlovsk oblast.	2012
Elaboration of design documentation in respect of reconstruction of horizontal basin No. 5, electric equipment delivery, erection and commissioning. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhskcement", Sukhoi Log, Sverdlovsk oblast.	2012
Commissioning of exciters of brushless synchronous machines of compressors Mitsui C2003A, B, S. Design, delivery. Start-and-adjustment works.	LLC "Kirishinefteorgsintez", Kirishi, Leningrad oblast.	2012
Modernization of pumping unit for drilling rig "Uralmash 3000 EUK-1M"—2 units. Engineering, software development, equipment production and adjustment.	CJSC "Siberian Service Company", Nefteyugansk,	2011-2012
Updating of air accounting system of compressor station. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhskcement", Sukhoi Log, Sverdlovsk oblast.	2011
Industrial tests of a frequency converter of PCH-TTET-32-690-50-UHL4 type of in-house design and manufacture. Design, delivery. Start-and-adjustment works.	OJSC "Uralkaly".	2011
Commissioning of automated process control system of the 5th line for all-dry cement production. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhskcement", Sukhoi Log, Sverdlovsk oblast.	2011
Commissioning of a variable speed drive of the milling plant. Start-and-adjustment works.	CJSC "Zangezour Cooper-Molybdenum Combine" Kajaran, Armenia.	2011
Automated process control system of a gas through-type furnace. Engineering, software development, equipment production and adjustment.	OJSC "Ochersky Machine-Building Plant", Ocher, Perm Krai.	2011
Commissioning of main electric drives of 24 main pumping units in the first section of pipeline "Eastern Siberia—Pacific Ocean".	JSC "Transneft", Moscow.	2010
Commissioning of electric drives of pumping units at oil trunk pipeline "Eastern Siberia—Pacific Ocean".	JSC "Transneft", Moscow.	2010
Reconstruction of processing line. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhskcement" Sukhoi Log, Sverdlovsk oblast.	2010
Group block-type high-pressure pump station, commissioning of soft-starters for high-pressure pump unit. Design, delivery. Start-and-adjustment works.	Kenlik deposit, republic of Kazakhstan.	2010
Repair of electric drives of filler and continuous bucket elevator. Repair.	OJSC "Nevyansky Tsementnik", Nevyansk, Sverdlovsk oblast.	2009
Acceptance of object-oriented equipment of process control system. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhskcement", Sukhoi Log, Sverdlovsk oblast.	2009
Reconstruction of electric drive of multiple-rope hoist 4x4. Design, delivery. Start-and-adjustment works.	LLC, "Visokogorskiy Ore-Dressing Enterprise" (VGOK), Nizhny Tagil, Sverdlovsk oblast.	2009
Adjustment and commissioning of electric drives of main pump units, Pump station No. 17 "ESPO" oil pipeline. Start-and-adjustment works.	JSC "Transneft", Moscow.	2009
Revamping of digital control system for electric drive of hoisting plant LP6x3,4/0,6, Severnaya-Ventilyatsionnaya" shaft, Sibaiskiy underground mine, Sibaiskiy branch of OJSC "Uchalinskiy GOK". Design, delivery.	OJSC "UMNEX", Uchali, Bashkortostan.	2009
Implementation of group soft start system for oil-transfer plants at oil pipeline "ESPO" at PS No. 8. Design, delivery. Start-and-adjustment work.	JSC "Transneft", Moscow.	2009
Implementation of group soft start system of PAD-V-K-250-10k-2-UHLJ4 type for three electric drives of booster pumps at PS 10 of "Eastern Siberia—Pacific Ocean" oil pipeline. Power of induction drive motor comprises 2100 kW, supply voltage—10 kV. Design, delivery. Start-and-adjustment works.	JSC "Transneft", Moscow.	2009

Digital control system for electric drive of multiple-rope hoist, Skipovaya shaft, Uzelginskiy mine. Design, delivery. Start-and-adjustment works.	OJSC "UMNEX", Uchali, Bashkortostan.	2008
Automated control system of unit-type group pumping station of "Kenlyk" field. Design work.	Kyzylorda, Kazakhstan Republic.	2008
Reconstruction of electric drive of calcining kiln No. 1. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhcement", Sukhoi Log, Sverdlovsk oblast.	2007
Ore-grapple gantry No. 4 (25) of "GOSHA" company. Development of additional software for Simatic S7 controller and Simovert drive of "Siemens" company, which enabled recovery of travel synchronization functionality.	OJSC "NTMK", Nizhny Tagil, Sverdlovsk oblast.	2007
Automatic control system of cement mill No. 4. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhcement", S ukhoi Log, Sverdlovsk oblast.	2007
Variable-frequency electric drive of furnace No. 2. Design, delivery. Start-and-adjustment works.	OJSC "Sukholozhcement", Sukhoi Log, Sverdlovsk oblast.	2005
Development of electronic document management system for railway transport department. Design.	OJSC "SUAL-Holding", Krasnoturyinsk, Sverdlovsk oblast.	2004
Digital drive control system of multiple-rope hoist TSSH4x4 of "Skipovaya" shaft. Design, delivery. Start-and-adjustment works.	LLC "UMNEX", Uzelginsky mine, Chelyabinsk oblast.	2003-2004
Automatic control system of a coolhouse of cement kiln No. 2. Engineering, software development.	OJSC "Sukholozhcement", Sukhoi Log, Sverdlovsk oblast.	2003
Reconstruction of electric drive of oil-coke incineration rotary furnace. Design, adjustment.	Oil refining company "Turkmenbashinsky NPZ", Turkmenistan.	1999
Electric drives of crushing plant. Design, delivery. Start-and-adjustment works.	OJSC "Ekomash", Ekaterinburg.	1998-1999
Electric drive of rolling tables of cotton-wool wrapping line. Delivery, start-and-adjustment works.	"Mineral Cotton Plant", Nizhny Tagil, Sverdlovsk oblast.	1998
Electric drive of auger conveyer. Delivery, start-and-adjustment works.	Group of companies "Technex", Ekaterinburg.	1997
Electric drive of wood-processing line. Design, delivery, start-and-adjustment works.	OJSC "Energoleskombinat", Serov, Sverdlovsk oblast.	1997
Electric drive of rolling tables of tube-insulation line. Design, delivery, start-and-adjustment works.	JSC "Uraltransgas", Ekaterinburg.	1997
Electric drives of piercing mill. Design, kitting-up, delivery of equipment.	Plant of heat-insulation products "EZTI", Ekaterinburg.	1995

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Modernization of drives, control system and automation of air conveyer. Design, delivery, adjustment works.	OJSC "Coca-Cola HBC Eurasia", Ekaterinburg.	2005
Commissioning of individual soft start system for high-voltage asynchronous motor of smoke exhauster. Design, delivery, adjustment works.	OJSC "Bummash", Izhevsk, Udmurtia.	2005
Maintenance and adjustment of electric facilities and electric drives of a rotary peeler. Design, adjustment.	CJSC "Fancom", Ekaterinburg.	2001
Reconstruction of electric equipment of cloth-impregnation plant ALT 220. Design.	OJSC "Urals RTI Plant", Ekaterinburg.	2000
System of measurement and control of bin temperature. Design, delivery, adjustment.	"Aramilsky Bread-Making Factory", Aramil, Sverdlovsk oblast.	1998-1999
Electric drives of a high-pressure pump for margarine-production line and clamp-making plant. Delivery, start-and-adjustment works.	OJSC "Fat Factory", Ekaterinburg.	1997
Electric drives of mixers. Design, delivery, start-and-adjustment works.	OJSC "Plant of Lubricating and Coolant Systems", Perm.	1997
Electric drives of printing machines and homogenizer pumps. Design, delivery, start-and-adjustment works.	OJSC "Fat Factory", Ekaterinburg.	1996

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Automation of flour mill production. Design of reconstruction, adjustment.	"Aramilsky Bread-Making Factory", Aramil, Sverdlovsk oblast.	1994
Reconstruction of thermoplastic automatic machines. Design of reconstruction, kitting-up, adjustment.	JSC "ZETRON", Pervouralsk, Sverdlovsk oblast.	1994
Reconstruction of main drives of paper-making machine No. 1. Design of reconstruction, kitting-up, adjustment.	JSC "Mikhailovsk Paper-Making Factory", Mikhailovsk, Sverdlovsk oblast.	1991
MISCELLANEOUS		
Electrical equipment for horizontal borer. Equipment delivery.	Electrical equipment for horizontal borer.	2016
Gyratory crusher control system. Equipment delivery.	OJSC "MK ORMETO-YUMZ", Orsk.	2015
Electrical equipment for horizontal borer. Design, equipment delivery, commissioning.	LLC "GRS Ural", Ekaterinburg.	2014
Manufacture of unified test stand for diesel generators up to 4200 kW. Design, equipment delivery, commissioning.	LLC "Ural Diesel Motor Plant", Sinara Group, Ekaterinburg.	2014
Programming and commissioning of IDROCALOR heat treatment furnace.	LLC "SVEL - Instrument Transformers", Ekaterinburg.	2013
Modernization of electric drives of flying bar hoists. Design, delivery, start-and-adjustment work.	State Academic Opera and Ballet Theatre, Ekaterinburg.	2012
Press machine SFP 31/08289 of "Schafer" company for production of T-bends, branches and sharply-bent branches. Adjustment work.	CJSC "Vodoley", Tyumen.	2012
Semiautomatic machine for polyethylene film rewinding Selconvert SELCO 80/50. Repair activities.	LLC "Europac", Ekaterinburg.	2012
Automated Control System for Sludge Thickening Unit of Nitrate Salts Processing Solutions. Commissioning activities.	OJSC "Akron", Velikiy Novgorod, Novgorod oblast.	2012
Automated control systems of treatment plants. Design works.	Kemerovo.	2007
Insulation line of car wires. Adjustment works.	LLC "Ekaterinburg Cable Plant", Ekaterinburg.	2007
Reconstruction of heat-treatment furnace. Design.	OJSC "UZGM", Ekaterinburg.	2006
Complex safety unit of welding transformer of KZUST type. Design, production, sales.		2005
Hardware and software complex of system time synchronization. Design. Approbation.		2005
Reconstruction of electric drives of a jig-boring machine. Delivery of electric drives.	OJSC "Mineral Fertilizers", Perm.	2002
Electric drive of a cable winding line. Design, delivery, start-and-adjustment works.	OJSC "Uralelectromontazh", Ekaterinburg.	1998
Display stand of frequency drives. Delivery and debugging of "Drives Windows" software of "ABB" company.	Chelyabinsky State Technical University, Chelyabinsk.	1998
Development of wireless controller communication. Development.	Department of Internal Affairs, Sverdlovsk oblast.	1995



CJSC "Automated Systems and Complexes" has quality management certificates ISO 9001:2008 which apply to the whole spectrum of rendered services.



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