REFERENCE LIST OF KEY PROJECTS

Dates	Project title	Customer
2019- 2020	Design, development and commissioning Turbine control and interlock systems at Chmelnickaja Unit 1and Unit 2, Uzhnoukrainskaja Unit 1 NPP, Ukraine Safety Upgrade Programs of Nuclear Power Plants (EBRD bank)	NNEGC "Energoatom" (Ukraine)
2019-2020	Design, development and commissioning Chemistry water monitoring at Ruppoor Nuclear Power plant Unit 1 and Unit 2 , Bangladesh	JSC «Rusatom Automated Control Systems»
2019	Design, development and commissioning replacement of data acquisition system KCO of Computerized Information System (CIS) and Safety Parameter Display System (SPDS) for Balakovo NPP Unit 4.	Balakovo Nuclear Power Plant (Russia)
2019	Design, development and commissioning upgrade of SCADA and control system in thermal power plant of Public company „ORLEN Lietuva“	Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery, Lithuania)
2019	Organization of flue gases accounting in front of sulfur removal facilities NID-1, NID-2 in Northern Thermal Power Plant of OÜ „VKG ENERGIA“. Preparing of technical design and detailed design, supply and mounting of equipment, SCADA/PLC programming, adjustment, preparing of turn-over and as-built documentation.	OÜ „VKG ENERGIA“ (Kohtla-Järve, Estonia)
2018-2020	Design, supply and installation of Automation and Telemetry system including SCADA, GIS. World Bank Project .	Regional Utility Production Company “Dnipro-Kirovohrad” (Ukraine)
2019	Supply of Electric motors 0.4 kV for modernization of containment cooling system fans for SS RNPP, KhNPP, SUNPP. Safety Upgrade Programs of Nuclear Power Plants (EBRD bank)	NNEGC "Energoatom" (Ukraine)
2019	Design, development, installation and commissioning of process control/automation and electrical parts for control of supply liquified petroleum gas (LPG) (butane) to thermal power plant of Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery).	Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery, Lithuania)
2018	Development and implementation of the data exchange interface between ASRK (radiation monitoring) and plant Computerized Information System (CIS) and Safety Parameter Display System (SPDS) for Balakovo NPP Unit .	Balakovo Nuclear Power Plant (Russia)
2018	Design, development, installation and commissioning Quality control system of drilling on conveyor line for drawers manufacturing at furniture producing factory JSC „Visagino linija” („SBA” concern).	JSC „Visagino linija” (Lithuania)
2018	Design, development, installation and commissioning of automatic sampling facility of industrial wastewater discharge into the environment.	Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery, Lithuania)

2018	Design, development, installation and commissioning of the Upgrade of control panels for gas compressors IK-201, IK-301 in Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery.	Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery, Lithuania)
2018	Design, development, installation and commissioning of duplicated level meters in Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery)	Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery, Lithuania)
2017-2019	Design, development and commissioning of control system for 125/20 tons cranes for Armenian NPP Unit 2	Armenian NPP (Republic of Armenia)
2017-2018	Repair and modernization of technological equipment of automation and electrical parts: • Heating of control and measuring apparatus LT4707 of tank 10T-2 at the sulfur facility № 2 • Modification of separator SP-308 of oligomerization block at the facility №1 of complex LK-1 • Replacement of current ultrasonic flowmeter by new measuring instrument at the fuel oil processing combined facility • Supply of valve with pneumatic drive XV-1291 • Supply of positioners S-100 PST at valves with pneumatic drive of furnace KR-101 of complex GP-1 LK-2 • Replacement of old relay circuits of facility № 2 for compressors SK-301, 302, 303, 304 • Switching of technological parameters indication of facility № 2 from operator control panel to automatic control system. The scope of works includes design, development, installation and commissioning ..	Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery, Lithuania)
2017	Organization of training seminars regarding General Electric (GE) equipment	LLC «GE Rus» (Russia)
2017	Modernization of emergency shutdown system - Replacement of the TRICONEX control system (Design, development, installation and commissioning)	JSC “Mozyr Oil Refinery” (Belarus)
2017	Modernization of Computerized Information System and Safety Parameter Display System (SPDS) for the implementation of the impulse discharge system for turbines K-1000-60 / 1500-2 at Balakovo NPP, units 1, 2, 4.	Balakovo Nuclear Power Plant (Russia)
2017	Design, development, installation and commissioning of automation system for test bench of shock absorbers of Armenian NPP	Armenian NPP (Republic of Armenia)
2016 - 2017	Modernization of hydrocarbon steams utilization system of Klaipeda oil terminal JSC „Klaipėdos nafta”. Design, development, installation and commissioning process control systems.	JSC „Klaipėdos nafta” (Klaipeda, Lithuania)
2016	Design, development, installation and commissioning of leakage monitoring system for Balakovo NPP, unit 3,4.	Balakovo Nuclear Power Plant (Russia)
2015-2017	Design, development, installation and commissioning electrical and process control system for Construction of steam-gas power boiler №4 in Kohtla-Järve	OÜ „VKG ENERGIA“ (Kohtla-Järve, Estonia)
2015-2016	Design, development, installation and commissioning of the processes control system of thermo-oil boiler plant (with combined fuel: gas and biofuel) in JSC „Orion Global PET“.	JSC „Orion Global PET“ (Klaipeda, Lithuania)

2014-2018	Design, development and commissioning replacement of data acquisition system KCO of Computerized Information System (CIS) and Safety Parameter Display System (SPDS) for Balakovo NPP Unit 3.	Balakovo Nuclear Power Plant (Russia)

2014-2017	Construction of New Solid Radioactive Waste Retrieval Facility (B2) LSF & RU1, RU2-RU3:
	• Preparation of technical documentation
	• Programming of PLC and SCADA
	• Installation
	  ○ Electrical equipment
	  ○ Automation
	• Start-up
	  ○ Technological equipment
	  ○ Electrical equipment
	  ○ Automation and control systems of technological equipment
	• Acceptance testing
	• Cold and hot run tests
	• Commissioning
		Customer Nukem Technologies. Ignalina Nuclear Power Plant (Lithuania)

2014-2016	Construction of Solid Radioactive Waste Treatment and Management Facilities (B34): • Preparation of tie-in design (installation design) • Installation and start-up/commissioning of electrical equipment • Programming and start-up of control systems • Acceptance testing • Commissioning	Customer Nukem Technologies. Ignalina Nuclear Power Plant (Lithuania)
2014	Design, development, installation and commissioning of electric power accounting system for furniture factory JSC „Visagino linija".	JSC „Visagino linija" (Lithuania)
2013-2015	Design, development and commissioning replacement of data acquisition system KCO of Computerized Information System (CIS) and Safety Parameter Display System (SPDS) for Balakovo NPP Unit 2.	Balakovo Nuclear Power Plant (Russia)
2013-2014	Construction of Radviliskis Fuel storage depot of JSC „Lithuanian Railways" fuel storage depots management centre: mounting, adjustment, commissioning of automation and power supply systems, fire alarm and security alarm systems, communication and video surveillance systems, supply of equipment (PC, controllers, sensors, control cabinets).	Fuel storage depot of JSC „Lithuanian Railways" (Radviliskis, Lithuania)

2013-2014	Solid Radioactive Waste Treatment and Management Facilities (B34):
	• Radiation monitoring and tracking system
	  ○ Development of installation design
	  ○ Equipment procurement
	  ○ Installation and start-up/commissioning
		Ignalina Nuclear Power Plant (Lithuania)

2012-2015	Design, development and commissioning replacement of data acquisition system KCO of Computerized Information System (CIS) and Safety Parameter Display System (SPDS) for Balakovo NPP Unit 1.	Balakovo Nuclear Power Plant (Russia)

2012-2015	Construction of Interim Spent Fuel Storage Facility (B1):
	• Building Management System (BMS)
	  ○ Preparation of Detail Design
	  ○ Manufacturing of control and power cabinets
	  ○ Installation and start-up
	  ○ Acceptance testing
	  ○ Commissioning
	• Installation of main equipment
	  ○ Electrical equipment
	  ○ Automation equipment
	• Start-up of main equipment
	  ○ Technological equipment
	  ○ Electrical equipment
	  ○ Automation and control systems of technological equipment
	• Acceptance testing
	• Cold and hot run tests
	• Commissioning
		Customer Nukem Technologies. Ignalina Nuclear Power Plant (Lithuania)

2012-2013	Replacement of equipment for automated control system for turbine ASUT-1000 for Unit 1 of Balakovo NPP (First stage): Data exchange system development.	Balakovo Nuclear Power Plant (Russia)
2012-2013	Design, development and commissioning Computerized Information System (CIS) for basic function simulator for Armenia NPP	Armenian NPP (Republic of Armenia)
2012-2013	Design, develop and commissioning plant Computerized Information system and Safety Parameter Display System (SPDS) for Unit 3 of Balakovo NPP	Balakovo Nuclear Power Plant (Russia)
2010-2011	Modernization of control system of pump house № 25 of petroleum refinery Public company „ORLEN Lietuva“. Design, replacement of current controllers to Siemens controllers, programming, mounting, commissioning.	Public company „ORLEN Lietuva“ (Mazeikiai petroleum refinery, Lithuania)
2010-2013	Design, develop and commissioning of the Remote Shutdown Panel and Post Accident Monitoring System for Armenian NPP, Unit 2.	Armenian NPP (Republic of Armenia)
2010-2012	Building management system (BMS) for „Landfill“ facility for short-lived very low level waste Ignalina NPP (B19) (Development, Installation, setup, acceptance testing and commissioning)	Ignalina Nuclear Power Plant (Lithuania)
2010-2012	Temperature and rarefaction control system, Unit 1 INPP Design, development and commissioning.	Ignalina Nuclear Power Plant (Lithuania)
2010	Integration of upgraded protection control system with Computerized Information Computing System (ICS) and of Safety Parameter Display System (SPDS) Balakovo Unit 1 Design, development and commissioning	Balakovo Nuclear Power Plant (Russia)
2010	Integration of upgraded protection control system with Computerized Information Computing System (ICS) and Safety Parameter Display System (SPDS) Balakovo Unit 2 Design, development and commissioning	Balakovo Nuclear Power Plant (Russia)
2009 -2010	Integration of the in-core control system (ICS) with Computerized Information Computing System (ICS) and Safety Parameter Display System (SPDS) Balakovo unit 1	Balakovo Nuclear Power Plant (Russia)
2008-2012	Design, development and commissioning of nuclear material accountancy and control system at Kursk and Kalinin NPPs	Kursk and Kalinin Nuclear Power Plant (Russia)
2008-2009	Modernization of JSC „GRIGIŠKĖS“ gas boiler house control system.	JSC „GRIGIŠKĖS“ (Lithuania)

2008-2009	Integration of the in-core control system (ICS) with Computerized Information Computing System (ICS) and Safety Parameter Display System (SPDS) Balakovo unit 2	Balakovo Nuclear Power Plant (Russia)
2008	Develop information system for nuclear material actual charge (taking into account spent fuel)	Ignalina Nuclear Power Plant (Lithuania)
2008	Develop information system for control of technological channels overload parameters	Ignalina Nuclear Power Plant (Lithuania)
2008	Upgrade of the personal time accounting system "ALGA 2007"	Ignalina Nuclear Power Plant (Lithuania)
2007-2012	Design, develop and commissioning process control system for the new Radwaste Treatment Facility at Smolensk NPP Lot 3. EuropeAid/124373/D/SUP/RU	Smolensk Nuclear Power Plant (Russia)
2007-2010	Ignalina NPP automated radiation monitoring system upgrade	Ignalina Nuclear Power Plant (Lithuania)
2007-2008	Modernization of Safety Parameters Display System, Ignalina NPP, Unit 2	Ignalina Nuclear Power Plant (Lithuania)
2007	Develop information system for automatic processing of measurement results of reactor's physical and dynamic characteristics	Ignalina Nuclear Power Plant (Lithuania)
2007	Upgrade of software of registration of malfunctions of physical safety system for Ignalina NPP	Ignalina Nuclear Power Plant (Lithuania)
2006-2009	Development and supply of Leakage Monitoring System for Balakovo NPP, Unit 1	Balakovo Nuclear Power (Russia)
2006-2008	Automatization of INPP radiation laboratory. Accounting of radiological measurements and research.	Ignalina Nuclear Power Plant (Lithuania)
2006-2007	Development and supply of Leakage Monitoring System in sealed rooms for Ignalina NPP Unit 2	Ignalina Nuclear Power Plant (Lithuania)
2005-2008	Development of working time accounting system (DLADUAS)	Ignalina Nuclear Power Plant (Lithuania)
2005-2006	Development of equipment configuration control algorithms and automated system for Ignalina NPP Unit 2	Ignalina Nuclear Power Plant (Lithuania)
2003-2011	Development and supply of Computerized Information System and Safety Parameter Display System (SPDS) for Units 1 and 2 of Balakovo NPP	Balakovo Nuclear Power Plant (Russia)
2003-2007	Modernization of Simulator, conceptual design of Control Room Panels (CRP), Leningrad NPP	Leningrad Nuclear Power Plant (Russia)
2003-2006	Design, development and commissioning of Automatic Radiation Safety Monitoring System, Ignalina NPP	Ignalina Nuclear Power Plant (Lithuania)
2002-2004	Design, development and commissioning of Computerized Information/Safety Panel (CI/SP) system and associated connection to Crisis Centre (local-national), Kalinin NPP, Unit 2	Kalinin Nuclear Power Plant (Russia)
2001-2003	Modernization of the full scope Simulator, Ignalina NPP	Ignalina Nuclear Power Plant (Lithuania)
2000-2002	Design, development and commissioning Safety Parameters Display System, Ignalina NPP, Unit 2	Ignalina Nuclear Power Plant (Lithuania)
2000-2001	Design, development and commissioning of Computer Information System TITAN, Ignalina NPP, Unit 2	Ignalina Nuclear Power Plant (Lithuania)