



Annual Report
 PPA CONTROLL®

2014

Managing Director's Statement



In 2014 a group of companies of PPA CONTROLL, a. s. continued in their prior trend and built on the excellent results of the previous years. We managed to maintain our stable position within the intense competition in the field of nuclear and conventional energy, construction equipment and technology, in measurement and control, as well as in the field of design, supply and installation works.

Excellent results were traditionally achieved by our subsidiary PPA ENERGO s.r.o. mainly due to their capable management and key personnel to maintain an important position in the supply system of constructing the largest energy complex in Slovakia. PPA ENERGO s.r.o. expanded its work in the field of nuclear energy abroad where 60 of our professionals successfully contributed to the works in Oskarshamn Nuclear Power Plant in Sweden.

PPA Inžiniering, s.r.o. carried out the supply works in the field of important road constructions. They worked on completing several multipurpose buildings, and the final stage was reached in the project of reconstruction and modernization of power unit at Planta Centro in Venezuela.

PPA Power DS s.r.o. continued to provide highly qualified services based largely on its own know-how in the field of energy management and device administration. The company expanded the scope of its customers and continued its work on the recovery of our investment into utilities in the industrial park D1 Park in Senec.

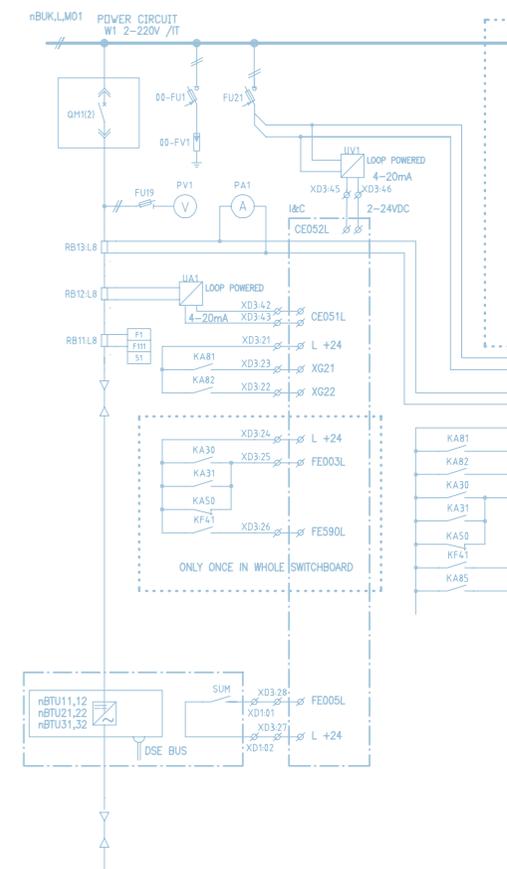
Appreciative business results were also achieved by subsidiary PPA Trade, s.r.o. thanks to successful delivery of the spare parts to power facilities of the customers in Russia and Ukraine.

In order to expand our business activities in 2014 we established two new subsidiaries PPA CONTROL CZ, a.s. and D1 PARK Infra, s.r.o.

During the year we continued to optimize the organizational structure of the group, to improve our care for the workers by expanding the scope of their education and professional development. We continued computerization of internal processes, expanded the use of management information system and digitization of the processes. We have improved the quality management system launched and certified in 1997 as well as Environmental management systems and Safety Management System and Occupational Health after they were certified by the Lloyd's Register Quality Assurance in 2013.

We would like to persevere in this trend in the following period as well, so one year later we could evaluate our results with equal or even greater satisfaction.

Ing. Bystrík Berthoty
Managing Director



About the company

PPA CONTROLL, a. s.



COMPANY MILESTONES AND HISTORY

1951

ZPA-DP Praha (Prague Industrial Automation and Supply Company Works) founded

1969

Branch office in Bratislava (ZPA-OZ) founded

1985

Elektromont, k.p. founded in Bratislava with the merger of ZPA-OZ and Elektromontážne závody Bratislava (Bratislava Electro Plants)

1990

Elektromont, s.p. in Prague and its suppliers throughout the ČSFR liquidated and PPA, š.p. founded in Bratislava

1991

PPA CONTROLL, a.s. established

1997

Received certificate of quality under STN EN ISO 9001

2013

Received certificate of integrated management system under ISO 14001 – Environmental Management and OHSAS 18001 – Occupational Health and Safety

CORPORATE PHILOSOPHY

As an engineering and supply company in the field of electric systems, instrumentation, control and process automation we can look back at over 60 years of success, while currently being in a stable financial position. Furthermore, we would like to continue providing our partners with full, professional services of the highest quality and optimal solutions to help them streamline their operations and raise competitiveness. We are creating a stable environment for our staff that encourages professional and personal growth. Our main goal is for the company to achieve sustainable growth and strengthen its stable position in the domestic and international market.

THE COMPANY'S BASIC VALUES

- The needs of our customers and their satisfaction are paramount
- Negotiating in a professional and accommodating manner and providing services at the maximum level of quality
- Developing skills and professional growth of our employees
- Transparency, honesty and integrity
- Compliance with the law and safety standards, thorough quality control and a responsible approach to the environment



A little history
Laboratory of DERIS system

About the company
PPA CONTROLL, a. s.



Assembly workers
PPA CONTROLL

Assembly hall
of switchboard
production

GENERAL INFORMATION ABOUT THE COMPANY

Legal identity

Business name: PPA CONTROLL, a.s.
Registered office: Vajnorská 137,
830 00 Bratislava

Legal form: joint-stock company
Company ID: 17 055 164
VAT Reg. No.: SK2020459078
Date of incorporation: September 2, 1991
Stock capital: € 1,052,008

The Company is incorporated in the Bratislava 1 District Court Commercial Register Section Sa, Insert No. 159/B

LINE OF BUSINESS

STUDIES, DESIGNS, DELIVERIES,
INSTALLATION, COMMISSIONING AND
SERVICES IN THE AREAS OF:

INSTRUMENTATION AND CONTROL SYSTEMS

- Measuring temperatures, loops of pressures, pressure differences, flows, levels, displacements and other physical variables
- Special measurements, detection of toxic combustion gases, environmental measurements
- Systems for analyzing liquids and gases
- Control valves and actuators
- Regulators and evaluation systems
- Connections to control and LV systems

AUTOMATED CONTROL SYSTEMS

- Control systems for technological processes (DCS and PLC systems)
- Building control systems
- Systems for collecting and evaluating energy information
- Process analysis and creation of user software
- Commissioning of technologies and optimization
- System integration
- Visualization and operator control of technological processes

ELECTRICAL SYSTEMS

- LV and HV aerial and underground cable lines
- LV, HV and UHV transformer and switchrooms
- LV cabling
- Power protection
- Building cabling
- Weak current systems (fire, intrusion, CCTV, etc.)
- Parking systems
- Voice communication
- Search and repair the faults of LV power cables (wiring)
- Search and location the ground electrical and communication lines

SWITCHBOARD PRODUCTION

- 0.4 kV LV SMO switchboard (Rittal, Sarel, Profiline, Schrack enclosure)
- 0.4 kV LV switchboard for nuclear power plant conditions (SMO-S, SBO, NRS-S)
- RVB modular switchboard with sliding blocks (Logstrup boxes)
- System switchboards for control systems, servers and PC
- Switchboards for industrial and data communications
- Compensation switchboard
- Wall-mounted NRS and NRS-P switchboard
- Control room panels and racks
- Road signs

OPERATION AND MAINTENANCE

- Warranty and post-warranty service and maintenance of all supplied systems and equipment
- Calibrations and repairs of physical and chemical measurement systems
- Calibration of temperatures, pressures and electrical quantities AC/DC
- Infrared measurements

INFORMATION AND TELECOMMUNICATION SYSTEMS

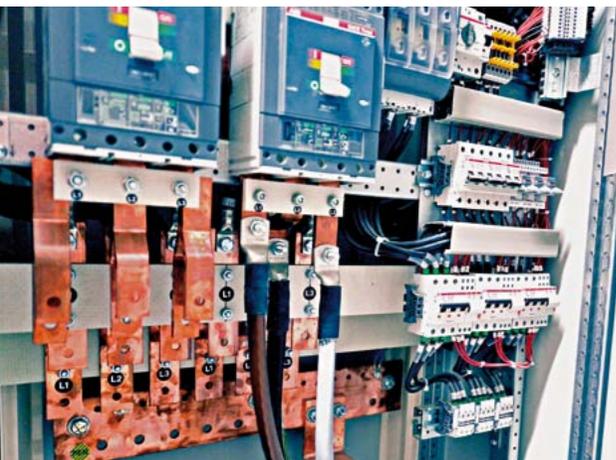
- Integrated light-current distributors
- Data LAN, MAN and WAN networks
- Cisco solutions
- Structured copper and fiber optic cabling systems
- Data centers
- Search and repair the faults of communication metallic and fiber optic cables

HIGHWAY AND TUNNEL TECHNOLOGIES

- Measurement of physical variables in tunnels (visibility, air direction and current, measuring emissions, fog, etc.)
- Measuring meteorological variables
- Traffic monitoring systems
- Security systems
- Control Systems
- Integration of individual technological devices

ENERGY OUTSOURCING

- Managing power distribution and equipment
- Maintenance, repair, servicing, technical inspection and testing of electrical equipment
- Measuring and monitoring of electric power
- Supplying electricity and optimizing electric power consumption
- Audits



Switchboard SMO/SBO

About the company
PPA CONTROLL, a. s.



CORPORATE SOCIAL RESPONSIBILITY

Corporate social responsibility for our company means a commitment to establish and maintain ethical standards, contributing to improvement in the economic condition of society and the state of the environment. Striving to enhance the quality of life of our employees and their families as well as supporting development in the community where we operate.

QUALITY MANAGEMENT SYSTEM

PPA CONTROLL, a.s. and its subsidiaries have put in place a quality management system in compliance with ISO 9001:2008 and STN EN ISO 9001:2009 standards. The quality management system incorporates designing, engineering, project management, installation and servicing of instrumentation, control systems of technological processes, both low and high current electrical installations in the energy, chemical, food and metallurgy industries and other industrial sectors, including electrical power plants. This also includes the design and manufacture of electrical switchboards and the purchase and sale of electricity and gas.

ENVIRONMENTAL MANAGEMENT SYSTEM

The importance of environmental protection is increasingly reflected in our company's business activities. A systematic approach to environmental aspects is the most effective way to improve management of the impact of operations on the environment. An established environmental management system (EMS) according to STN EN ISO 14001 serves mainly to raise staff awareness about environmental performance and to better meet the needs and expectations of customers when designing and implementing our products. According to the listed system standard, EMS at PPA CONTROLL, a.s. is certified in the scope of the activities defined. By integrating our staff's environmental performance into everyday activities, we want to further decrease the amount of waste we generate while increasing the share of what we recycle, minimizing the adverse impacts on the environment in accordance with current legislation in Slovakia.



OSH MANAGEMENT SYSTEM

The OSH management system (OSHMS) is primarily aimed at preventing and minimizing risks in major and supporting operations at individual sites where work is being carried out. Employees are assigned the necessary types of personal protective equipment and tools, depending on the identified risks of the activity involved. All employee categories are regularly trained in accordance with current legislation and also beyond regulatory requirements, based on requirements of site managers. In preparing new operating procedures and revising existing ones, emphasis is placed on preventing or reducing job risk to an acceptable level. The OSHMS is implemented and certified in the scope of defined activities at PPA CONTROLL, a.s., according to the OHSAS 18001 standard. Company management evaluates OSH conditions at regular intervals and, when necessary, takes appropriate corrective actions for improvement. These approaches allow us to meet established occupational safety and health policy for the period under observation.

NONCOMMERCIAL ACTIVITIES

In 2014 PPA CONTROLL, a.s. devoted its attention and support mainly to education, culture, disabled people, sports and animal welfare.

We provided a financial donation to the Entrepreneurs Association of Slovakia, sport club of Slovak Technical University TJ SLAVIA STU. Financial support was provided to PRO SCENA in order to finalize their project of the annual report - ROČENKA SCÉNOGRAFIE 2013/2014. We also supported association Friends of Cuba by providing them with funding to organize the 11th literature and art competition called "Our National Revivalists Ľudovít Štúr – José Martí".

At the same time we forwarded 1,5% of our paid taxes to the beneficiaries pointed to assist physically disabled and sick people, dedicated to the protection of animals and promotion of sports.

Our daughter's company PPA ENERGO s.r.o. were contributive to the following foundations: Foundation for Children's Cardiology Centre, Foundation - the League Against Cancer, and Cancer Research Foundation. We also supported the STU Faculty of Electrical Engineering and Computer Science in issuing publications and lab equipment - laboratory of multivariable systems (Associated lab URPI and PPA CONTROLL) <http://www.urk.fei.stuba.sk/sk/laboratoria>



Company Statutory Bodies



EXECUTIVE BOARD

Ing. Ivan Novák, Chairman

Born September 6, 1963 and a graduate of the Slovak University of Technology in Bratislava. He became a member of the Executive Board in 1995. In 1996, he became a director of the joint-stock company and also Sales Director, and was Managing Director from 2000 until 2012. Mr. Novák was elected to his current position of Chairman in 2001.

Ing. Bystrík Berthoty, Vice Chairman

Born August 9, 1965 and a graduate of the University of Economics in Bratislava. He joined the Company in 1999. He has been Managing Director and Vice Chairman of the Executive Board since 2012.

Ing. Zoltán Lovász, Member

Born April 18, 1969 and a graduate of the Slovak University of Technology in Bratislava. He joined the Company in 1999. He was appointed to his current position of Director at PPA ENERGO s.r.o. in 2009. He became a member of the Executive Board in 2012.

Ing. Marián Kolenčík, Member

Born September 19, 1967 and a graduate of the Slovak University of Technology in Bratislava. He joined the Company in 1990. He was appointed to his current position of Director at PPA INŽINIERING, s.r.o. and became a member of the Executive Board in 2013.

SUPERVISORY BOARD

Ing. Karol Pavlů, Chairman

Born on April 19, 1941. Graduate of the University of Economics in Bratislava. Chairman of the Supervisory Board of the company since 1991, Vice-President of the Board of Directors since 1996, Vice-Chairman of the Supervisory Board since 2002 and in the current post since 2014.

PhDr. Darina Pavlů, Vice Chairman

Born June 4, 1946 and a graduate of the Faculty of Philosophy at Comenius University in Bratislava. She became a member of the Supervisory Board in 2005 and was elected to her current position in 2012.

Ing. Mgr. Tibor Gregor, Member

Born June 29, 1971 and a graduate of the Faculty of Technical Cybernetics at the Military Academy in Liptovský Mikuláš and the Faculty of Management at Comenius University in Bratislava. He became a member of the Supervisory Board in 2011.

AUTHORIZED SIGNATORIES

Ing. Jozef Prevaj, Commercial Director

Born April 9, 1958 and a graduate of the Technical University of Zittau in Germany. He was elected Sales Director in 2009.



Switchboard NRS



Water analyser in power engineering



Organizational Structure

SENIOR MANAGEMENT

Ing. Bystrík Berthoty
Managing Director

Ing. Marta Kramárová
Finance Director

Ing. Jozef Prevaj
Commercial Director

Ing. Ladislav Vajlik
Management Systems Director

RNDr. Valéria Kormanová
Human Resources Director



Panel for pressure and temperature adjustment of the samples in power engineering



Switchboard SBO

SUBSIDIARY COMPANY MANAGEMENT

PPA ENERGO s.r.o.

Ing. Zoltán Lovász
Executive Director

Ing. Katarína Krchnáková
Finance and Human Resources Director

Ing. Peter Broškovič
Technical Director

Ing. Erik Vicena
Commercial Director

Ing. Vladimír Malátek
Production Director

PPA INŽINIERING, s.r.o.

Ing. Marián Kolenčík
Executive Director

Ing. Igor Jamnický
Director of Traffic Technology Department

Ing. Letko Karol
Foreign Engagement Director

Dana Gottweisová
Commercial Director

Kvetoslava Smejová
Finance and Human Resources Director

Ing. Karol Kaštíl
Assembly Director

PPA Power DS s. r. o.

Ing. Roman Nemček
Executive Director

Peter Hatina
Director of facility management department

Ing. Michal Kolimár
Director of energy distribution department

PPA Power s.r.o.

Ing. Roman Nemček
Executive Director

PPA TRADE, spol. s r.o.

Ing. Peter Gašparových
Executive Director

PPA SERVIS, s.r.o.

Ing. Igor Švorc
Executive Director

PPA SLAVUTIČ KYJEV, s.r.o.

Ing. Peter Gašparových
Executive Director



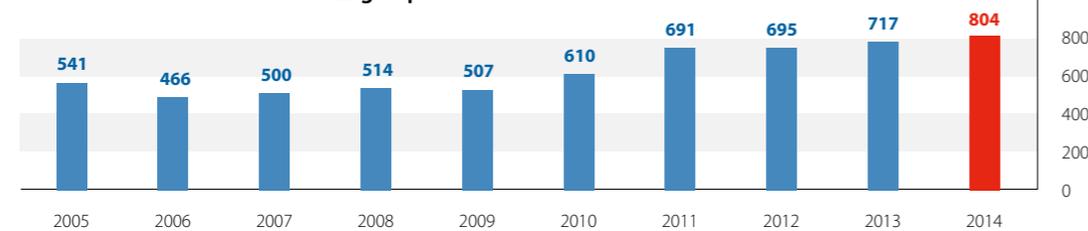
Human Resources

STAFFING

Positive trend in the development of companies within the PPA CONTROLL Group is also supported by the increase in the number of employees, which in 2014 grew to 804 employees.

The staff stability index in 2014 (percentage of employees with 5 years or more of service with the group out of the total number of employees) was 47%.

Number of staff in PPA CONTROLL group



Staffing by Gender

	Staff Count	in %
Women	141	17%
Men	663	83%

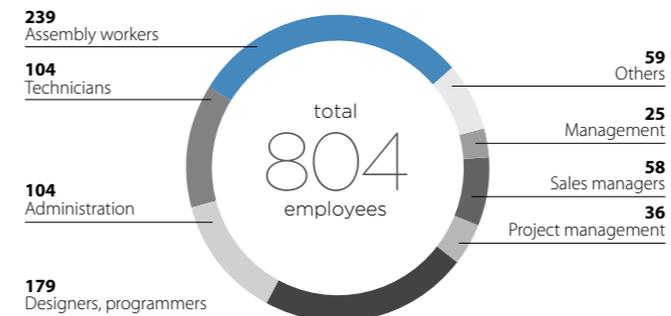
Staffing by Education

Education	Primary	Secondary	University
Staff Count	5	465	334
in %	1%	58%	42%

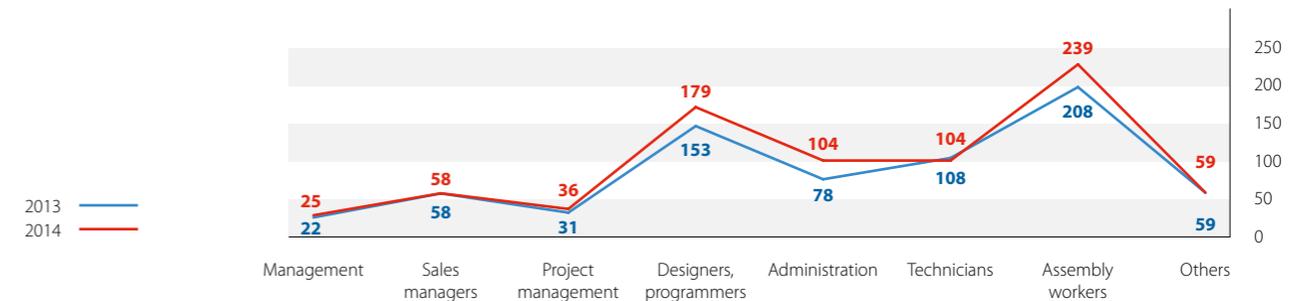
Staffing by Age

	18-29	30-39	40-49	50-59	Over 59	Average Age
Staff Count 2014	147	199	180	213	65	2014 43
in %	18%	25%	22%	27%	8%	

Staffing by Category



	2012	2013	2014
Management	23	22	25
Sales managers	56	58	58
Project management	32	31	36
Designers, programmers	160	153	179
Administration	79	78	104
Technicians	108	108	104
Assembly workers	183	208	239
Others	54	59	59
Total	695	717	804



STAFF DEVELOPMENT

Great attention is traditionally paid to the opportunities of self-development and self-fulfillment of our employees. We realize that human resources form the basic prerequisite for the success of a company in the competitive environment. Quality staffing, training opportunities, work performance and loyalty belong to the main development sources of our company, its efficiency and ability to prosper in the long term.

As a company long-term applies of the certified quality management system and other management systems, we realize that our employees form the most important element ensuring the quality of our services and products.

In 2014, the company invested EUR 205,371 in staff training, which was EUR 270 on average per employee. Training was focused on the development of professional competence in the area of electro-technology, IT, production and assembly. Great attention is also paid to language learning, as well as management and business skills.

Thanks to the professionalism of our staff we offer our customers constant improvement of the level and quality of our services.

References



NPP Jaslovské Bohunice



Engine room in NPP Jaslovské Bohunice



Block Supervisory room SBO

ENERGY

SLOVENSKÉ ELEKTRÁRNE, A.S.,
BRATISLAVA

Jaslovské Bohunice Nuclear Power Plant

Upgrade of the V-2 Nuclear Power Plant and Units 3 and 4

- System for monitoring residual capacity of storage batteries
- Development of automated data collection - installing dispatching infrastructure, including electric meters and communication networks, configuring and ensuring transmission of measured data to the automated data collection center for processing, storage and provision of measured data to contracting entities in NPP Jaslovské Bohunice
- Replacement of 6 kV cables for the main circulation pumps, cables for relevant technical water (TVD), cables for irrelevant technical water, cable from the SAM diesel generator to the Central service station for TVD, non-compliant 6 kV cable joints and cables and fire barriers
- Modification of signaling, control and automatics of sealed door in the sealed area
- Reconstruction of external lights in the NPP V-2 area, 2, Drahovce water intake and Pečeňady service station

SLOVENSKÉ ELEKTRÁRNE, A.S.,
BRATISLAVA

Mochovce Nuclear Power Plant

Units 1 and 2 at Mochovce NPP

- Manufacture, supply, installation and reconstruction of 0.4 kV power centers
- Adding a neutralizing tank – part of the control system and electric systems (subcontracted by Aquatest, a.s.)
- Preparation of operating rules for “The blockades and protections for 0.4 kV switchboards”; “The power supply for external structures”; “Subsidiary switchboards for secondary circuit”; “The Works and inspection in cable areas and cable ducts”; “0.4 kW force distributors for the main production unit – power centers” and for “The automatic controllers and control circuits” – subcontracted by VUJE, a.s.
- Addition of new alarms to initiate low-pressure pumping of emergency coolant to the reactor’s active zone
- Replacement of circuit breakers and rerouting them through I&C distributor for powering actuating circuits and alarm circuits and in force distributors
- Replacement of dP/dt pressure sensors in the reactor emergency protection systems at the 2nd block
- Reconstruction of diesel generators I&C and electric systems subcontracted by ČKD DIZ, a.s.
- Replacement of H2 and O2 measurements on the KPL hydrogen combustion system implementation of the I&C and electrical part (subcontracting for VUJE, a.s.)

- Severe accident management – control system and electric systems (subcontracted by VUJE, a.s.) in the sub-projects below:
 - Primary circuit depressurizing
 - Containment vacuum breaker
 - Emergency electrical power
 - I&C SAM – field instrumentation, special measurements
 - Long-term thermal circuit
- Severe accident management- Emergency cooling source subproject, implementation of the I&C and electrical part (subcontracting for ROEZ, s.r.o.)



NPP Mochovce

References
ENERGY



NPP Mochovce

SLOVENSKÉ ELEKTRÁRNE, A.S.,
BRATISLAVA

Completion of Units 3 and 4 at Mochovce NPP

- Design and engineering activities
 - for the nuclear island,
 - for the conventional island,
 - project documentation, verification of documentation at the site
- NPP own consumption equipment – 6 kV metal clad conductors, 6/0.4 kV transformers, 6 kV own consumption switchboard, 0.4 kV power centers, 0.4 kV motor control centers), Emergency power supply system of category 1 (rectifiers, converters, inverters, batteries and UPS), Control System of Power Dispatching I&C for Alternator, Power Outlet and Auxiliary Consumption – production of 0.4 kV switchboards, equipment supply, engineering, installation and commissioning

- Renovation, improvement and completion of main facilities/buildings and external surface adjustments – electrical part, design, supply, installation and commissioning
- Main production unit – installation of electrical distribution network for the building part
- Supply and installation of selected parts of I&C and the electrical part for the nuclear island – main and secondary cable routes, sensors of technological parameters, sample system for sensors of technological parameters, hermetical pipe penetrations, hermetical cable penetrations, cabling, chemical analyzers and sampling systems – engineering, supply, installation and commissioning
- Supply and installation of switchboard to supply power to the system EXCORE
- I&C, security systems and operational management systems – installation, commissioning and support – (subcontracting for AREVA NP control system supplier)



Hermetical cable penetrations
Stand NPP Jaslovské Bohunice

SLOVENSKÉ ELEKTRÁRNE, A.S.,
BRATISLAVA

Hydro Power Plants

- Čierny Váh pumped storage power plant – mounting of systems and repair of automatic systems GM1-GM2 motor generators and machine accessories
- Reconstruction of drive controllers at Trenčín HPP, Čierny Váh SP and Ružín SP – electric systems and control system (subcontracted by Emerson Process Management, s.r.o.)
- Modification of hydro power plant technology of 110 kV and 22 kV substations at Dubnica HPP, Ilava HPP, Hričov HPP, Sučany HPP, Orava HPP, Lipovec HPP, Mikšová HPP, Krpelany HPP, Trenčín HPP and Kostolná HPP
- Repair of 10.5 kV isolators at HPP Ružín
- HPP Gabčíkovo – Replacement of a control information system - supply and assembly of the electrical part (subcontracting for Siemens s. r. o.)

PLANTA CENTRO
THERMAL POWER STATION, VENEZUELA

Reconstruction of 400 MW Boiler No. 5 – EPC Contract

- 420 kV block terminal (surge arresters)
- 30 MVA transformers 5BT01 and 5BT02
- Generator terminal and nullifier
- Generator drive system
- Electronic protection and measurement, MicroSCADA
- HV block substation
- LV block substation
- Subordinate + 6.1m substation
- Subordinate water treatment distributor
- Subordinate pumping station distributor
- Grounding and conductors for technological structures
- Illumination and plug-in distributors for technological machinery
- Direct current voltage power and distributors
- Diesel generator

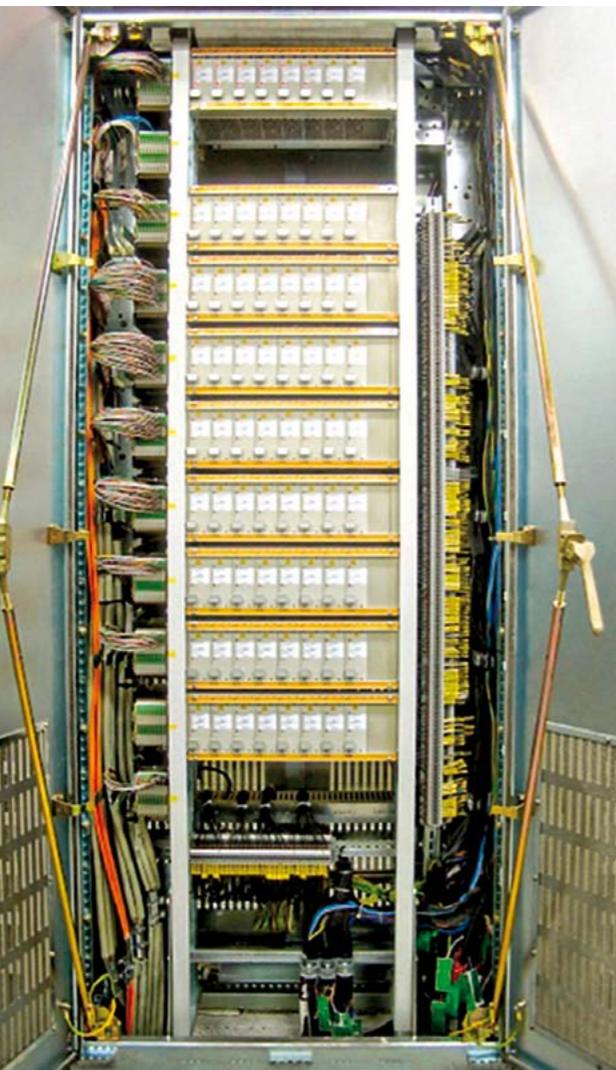


Heating plant in Planta Centro Venezuela

References
ENERGY



Heating plant in Planta Centro Venezuela
Gabčíkovo Waterworks



Switchboard SMO

AREVA A.S.

- Master clock system for Mochovce NPP Units 3 and 4
- Installation of electrical and I&C systems for NPP Osharshamn Sweden
- Supply of distributors for the Tianwan Unit 3 and 4 project

RNEST-PETROBRAS, BRAZIL

- Field instrumentation
- Measurement of circuit for control of technological units
- Cabling and installation material
- Spare parts for commissioning
- Complete design documentation
- Coordination and supervision
- Comprehensive testing of equipment
- Training customer staff

SERVICING, REPAIRING AND INSPECTION OF EQUIPMENT

Slovenské elektrárne a. s.

- I&C and electric equipment maintenance – Jaslovské Bohunice NPP
- I&C and electric equipment maintenance – Mochovce NPP
- Post-warranty services of automated collection system of electricity consumption data
- Post-warranty service support for 1-minute automated collection systems of electricity consumption data
- Repair of machinery at heat exchange stations in Hlohovec, Leopoldov, Jaslovské Bohunice
- Service of I&C and electric equipment and machinery equipment of central heat exchange stations
- Preventive maintenance of a signalling system of V-2 NPP fire doors opening

- Provision of readiness to remove defects of V-2 NPP technological, computer and information system (TPS)
- Modification, upgrading and engineering support of software and corrective maintenance of hardware in the technology computer system (TPS)
- Preventive and corrective maintenance of the SIMATIC control systems at V-2 NPP
- Corrective maintenance of HW components and modification of SW for equipment at V-2 NPP

Jadrová a vyradovacia spoločnosť a. s.

- Complex performance of technical inspections and testing of electrical equipment
- Repair and maintenance of I&C equipment
- Repairs and maintenance of electrical equipment

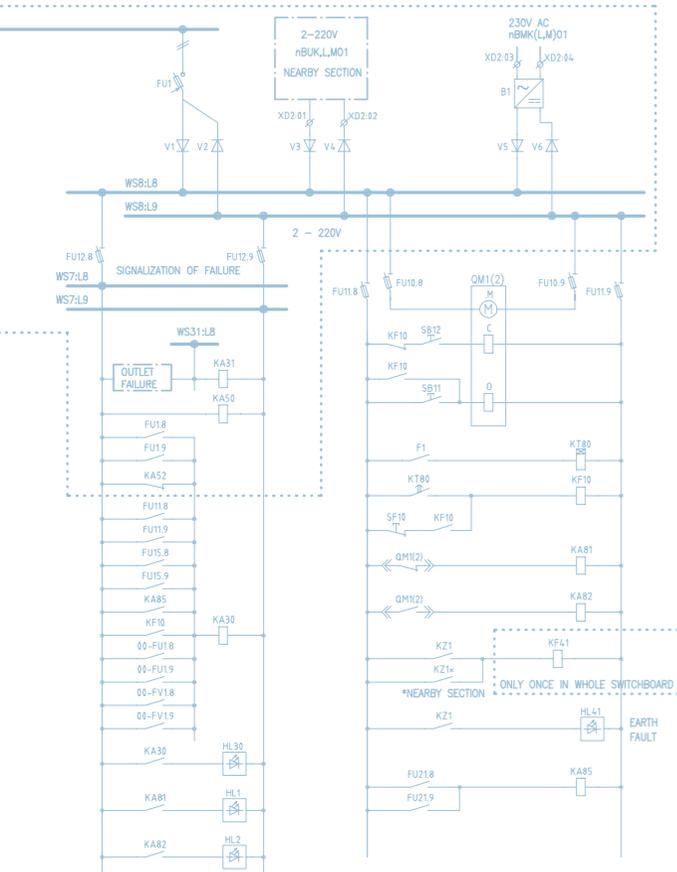


Visualisation TPS, cassettes positioning in the reactor

References



IKEA INDUSTRY, Stalowa Vola
IKEA INDUSTRY, Malacky



INDUSTRY

VOLKSWAGEN BRATISLAVA,
NEW PRESS SHOP H7

COMPLETE SUPPLY AND INSTALLATION OF 0.4 kV ELECTRICAL CABLING AND LIGHTING
COMPLETE SUPPLY AND INSTALLATION OF BUS BAR AND CONNECTION OF S-STATIONS TO HV SWITCHROOMS

- Supply and installation of 22 kV cables to the S-substation from the HV switchrooms
- Complete installation of a 2,500 A busbar distribution system

BODY SHOP EXTENSION

- Supply and assembly of low voltage cabling
- Complete assembly of 0.4 kV switchboards
- Supply and installation of lighting in the workshop inbuild offices

BENTLEY - INSTALLATION OF BUS BARS

- Supply and assembly of 2,500 A low voltage bus bar system



RNEST Brasil

VODOHOSPODÁRSKA VÝSTAVBA A. S.

Detva Water Treatment Plant – subcontractor for electro and I&C part – design, engineering, supply, installation and commissioning

Devínska Nová Ves Water Treatment Plant – subcontractor for electro and I&C part – design, engineering, supply, installation and commissioning

Brezová pod Bradlom Water Treatment Plant – subcontractor for electro and I&C part – design, engineering, supply, installation and commissioning

Modra Water Treatment Plant – supply and assembly of a transformer station and high voltage connection

I.D.C. HOLDING A.S. BRATISLAVA

Sedita Sereď - Increase of electric output in D production hall - supply and assembly of distributors, transformer station, cable routes for low and high voltage cables, installation of high and low voltage cables and transformer station

HOLCIM ROHOŽNÍK A.S.

- ReduDust – electro and I&C systems
- G-star project - implementation of electrical and SKR parts for a new cement grinding plant

IKEA INDUSTRY SLOVAKIA S.R.O.

- WINCC programming and data collection

IKEA INDUSTRY, STALOWA VOLA, POLAND

ASSEMBLY OF SAWMILL MOVED FROM RAWSMALA (SWEDEN)

- Re-assembly of sawmill technology power lines and low voltage cables
- Re-assembly of sawmill instrumentation cables
- Re-commissioning and participation in the activation of technology

IKEA INDUSTRY, MALACKY

EXTERNAL HV/LV CABLING

- Supply and installation of HV and LV cabling
- Supply and installation of cable traces
- Installation and connection of transformers
- Installation and connection of LV switchboards
- Technical inspection and certification

U. S. STEEL, KOŠICE

REPAIR OF ELECTRICAL INSTALLATION, MEASUREMENT AND CONTROL OF AUXILIARY DRIVES FOR TD1, TD2 AND TD3 TURBOCHARGERS

- Instalation of electric systems
- Supply and installation of technological devices
- Testing and commissioning
- Supply of operating instructions and manuals

References
INDUSTRY



Slovnaft, Bratislava



Heating plant Zvolen



ZF Levice

SLOVNAFT A.S.

**BRHCK FIELD INSTRUMENTATION
TO EBULLATING PUMPS MONITORING**

- Supply and assembly of I&C
- Supply and assembly of low voltage cabling

**INSTALLATION OF CERTIFIED DEVICES ON EACH
TAKE-OFF FOR EXTERNAL COSTUMERS**

- Design documentation

NAFTA A.S., SUCHOHRAD

**CONSTRUCTION OF FIRE ALARMS AND GAS
DETECTION SYSTEMS TO INCREASE ZS2 SAFETY**

- Fire alarm system
- Gas detection system
- Safety control system

NAFTA A.S.

**COMPLETION OF EFS AND GAS DETECTION
SYSTEMS AT THE ZS4 COLLECTION CENTER**

- Supply, assembly, activation of EFS and gas detection systems

**KROMPACHY BROWN
INDUSTRIAL PARK**

- Supply and assembly of electrical installation
- Supply and installation of lighting
- Supply and assembly of a bus bar system

MONDI SCP A.S.

LIME FURNACE REPLACEMENT

- Supply and assembly of low voltage switchboards
- Supply and assembly of cable traces
- Supply and assembly of low voltage cabling

ZF LEVICE

**Feeder high voltage field for transformers
+ development of an extended transformer
station**

- Supply and assembly of high voltage field
- Supply and assembly of high voltage cable, terminals and voltage test
- Supply and assembly of a bus bar system

CONTINENTAL MATADOR PÚCHOV

- Supply and assembly of electrical equipment (high voltage switchboards, transformer station, high voltage transformer)
- Increase of T28 transformer station power output

DUSLO ŠALA

**Upgrade of low voltage control rooms -
electrical part**

- Dismantling of 2 x 1,000 kVA transformers
- Supply and assembly of 2 x 630 kVA and 2 x 250 kVA transformers
- Adjustment of high voltage fields - replacement of current transformers
- Set up and testing of protections for new transformers

**HEATING PLANT
BANSKÁ BYSTRICA - RADVAŇ**

Upgrade of dispatching system

Dispatching SW modification - replacement of the existing SIMATIC WinCC v5.1 SP2 visualization with a newer SIMATIC WinCC v7.2 version

Establishment of a new communication network in a circular topology

Replacement of operator stations

Regulation and monitoring of hot water distribution service nodes (7 stations) installed at selected locations of the hot water distribution system in Banská Bystrica.

ZVOLENSKÁ TEPLÁRENSKÁ

REMOTE CONTROL

- Hotline, service and emergency service

Tunnel Bôrik
control room

Tunnel Branisko

Tunnel Bôrik

REFERENCES – TECHNOLOGICAL EQUIPMENT FOR ROADWAY TUNNELS AND MOTORWAYS

ŽILINA UNIVERSITY

VEHICLE MONITORING AND SURVEILLANCE EQUIPMENT AND AUTOMATIC PASSENGER COUNTING SYSTEM

For the Department of Road and Urban Transport, the Faculty of Operation and Economics of Transport and Communications, we have implemented a supply, assembly and configuration of bus monitoring and tracking system in Žilina. At the same time, the bus was equipped with an automatic system counting the amount of passengers getting on and out of the vehicle. Implementation of the system provides the Žilina University with statistical data necessary for the purposes of research and optimization

NDS, A.S. (NATIONAL HIGHWAY COMPANY)

SERVICING AND MODIFICATION OF ROAD TUNNELS

HORELICA TUNNEL

- Upgrade of physical quantity meters - PD DRS
- Amendment and adaptation of the central control system software, update of traffic-operating conditions and adjustments to visualization
- Addition to safety features at the I/11A section and addition to the LED lights system to highlight the bend shape

BRANISKO TUNNEL

- Change of escape route door control in Branisko tunnel - PD DRS
- Breakdown repairs

BÔRIK TUNNEL

- HV cabling
- LV cabling
- Grounding
- Standby power systems
- Emergency call equipment – SOS boxes
- Surveillance closed circuit TV in the tunnel
- Radio connection
- Communication circuits – transmission system
- Telephone connection
- Tunnel radio
- Fire doors
- Central control system
- Measuring of physical variables
- Traffic signs
- Control center equipment
- Fire alarm system
- Tunnel lighting
- Tunnel ventilation
- Water supply system – electric systems
- Outdoor illumination

BÔRIK TUNNEL - ADDITIONAL TECHNICAL EQUIPMENT IN THE TUNNEL TO AUTHORIZED ADR TRANSPORT

Entry of Bôrik tunnel into the category:

A – No restrictions on the transport of dangerous goods has raised the need for amendments and adaptations to technological equipment of the tunnel. The ADR detection and recognition system provides the central control system (CCS) information about the detection of a vehicle fitted with an ADR sign and decodes the ADR symbols into text, which defines the type of dangerous substance transported. The CCS registers an ADR vehicle and through visualization notifies the presence of that vehicle in the tunnel to the operator. After the ADR vehicle leaves the tunnel, it is deleted from the list

Scope of implementation:

- Processing of project documentation for implementation of the work
- Adaptation of the central control system software
- Additions and modification of video surveillance and video detection system
- Additions of the remote control of the storage tank sluice through the central control system.
- Additions and modification of the operation site

SERVICING OF HIGHWAY INFORMATION SYSTEMS

- Highway D1: Sverepec – Vrtižer
- Highway D1: Vrtižer – Hričovske Podhradie
- Highway D1: Hričovske Podhradie – Žilina (Stražov)
- Highway D1: Važec – Mengusovce
- Highway D1: Mengusovce – Janovce, 0 – 8 km
- Highway D1: Studenec – Beharovce

Scope :

- Construction (power supply distributors, cabling, grounding)
- Emergency call stands
- Electronic security alarms
- Surveillance cameras
- Technological crossings
- Variable message signs – laminated
- Variable message signs – LED
- Road lighting signalization
- Radio transmission
- Cut off signal-circuit controllers
- Operator station

Automatic traffic counters to full extent of motorways

Building network of detectors for vehicle classification on highways and speed road managed by NDS, a.s. based on loop induction transducers and non-invasive radar sensors



OUTSOURCING OF POWER ENGINEERING

COMPREHENSIVE INDUSTRIAL SITE MANAGEMENT

- D1 Park Senec
- PSA Trnava Supplier Park
- Manufacturing Plants ZF Slovakia – Trnava, Levice

Management and administration reports

Preparing and reviewing budgets, costing reports, coordination of suppliers

Administering utility networks building and facilities

Servicing, maintenance and inspection of equipments for distribution of electricity, gas, heat, water; boiler-plant systems and HVAC

Facility management

Waste management, road maintenance, vegetation management, cleaning, security

DELIVERY AND DISTRIBUTION OF ENERGY

- Lozorno PointPark Logistics Park
- D&K Küster Industrial Park, Devínska Nová Ves
- Košice Airport Industrial Park

Analysis of commodity prices

Forecasts of development of electricity and gas prices, local energy sources

Deliveries of electricity and gas

Associated delivery of electricity and gas, online electricity and gas consumption surveys, notifications of defined parameters

Operation of power distribution networks

Creation of local distribution networks, registering take-of sites, legislative certification, fixing and approval of distribution rates, power take-of measuring and charging for consumption

Operation of water and sewer systems

Management and operation of public water mains, waste management, measurement of samples

ENERGY AUDITS AND OPTIMIZATION SERVICES

- INERGY Automotive Systems Slovakia
- Faurecia Slovakia
- ProLogis Slovak Republic

General identification of energy management

Professional assessment of the condition of buildings, technologies and facilities, determining energy demand and potential savings

Developing economically recoverable austerity plans

Measures requiring no capital investment, low-cost measures, long-term measures

Implementing austerity plans

Coordination of processes, potential financial partnership

POWER IEM – ENERGY MANAGEMENT SYSTEM

- IAC Group
- Plastic Omnium Auto Exteriors
- Local distribution, biogas and photovoltaic power plants

Power IEM – online energy management

Online energy measurement, notification, optimal setup of consumption parameters, current consumption, history, nonstop monitoring of consumption security parameters, billing system, cost management

Power IEM – part measuring & data transmission

Data and export collecting, identifying possible emergence of adverse events, exporting measures to eliminate them

Power IEM – OKTE part

Transmitting of mandatory data for OKTE electricity market participants under legislation through automatic collection of metered data

OPERATION OF ENERGY SOURCES

- Photovoltaic power plant, Drahovce
- Photovoltaic power plant, Seľany
- Photovoltaic power plant, Čechanky
- Biogas power plant, Velke Turovce

Technical operation of plants

Trouble-free operation of plants, servicing, maintenance

Legislative resource management

Compliance with plant legislative obligations, monitoring, billing, reporting of mandatory data



D1 Park Senec



SAV, Bratislava

Westend QUADRANT Bratislava

OTHER

WESTEND SQUARE, BRATISLAVA

- Supply and assembly, as-built design
- LV cabling
- LV switchgears
- Internal and external lightning
- Grounding and lightning
- Diesel aggregate 800 kVA

WESTEND QUADRANT BRATISLAVA

- Supply and assembly, as-built design
- HV switchroom, transformers
- HV, LV cabling
- LV switchgears
- UPS
- Internal and external lightning
- Grounding and lightning
- Central battery system

REPAIR AND UPGRADE OF A, B, C, D CAMPUS BLOCKS FOR MARRIED COUPLES IN BRATISLAVA - HEAVY CURRENT

- Supply and assembly of internal LV cabling and lighting
- Supply and assembly of external LV cabling
- Supply and assembly of grounding and lightning

SLOVAK ACADEMY OF SCIENCE - SAS MATERIAL SCIENCE PAVILION, BRATISLAVA

- Supply and assembly of LV switchboards
- Refitting of the existing switchroom
- Supply and assembly LV cabling
- Supply and assembly of cable traces and sill channels
- Connection of HVAC equipment

HS CENTER PIEŠŤANY TENNIS HALL

- Supply and assembly of external lighting
- Supply and assembly of internal lighting
- Supply and assembly of floor heating
- Supply and assembly of internal lighting of the playing area
- Supply and assembly of air-conditioning
- Supply and assembly of a CCTV system

SLOVAK TELEKOM, A.S.

- Replacing the main circuits breakers at Slovak Telekom locations

ORGA-TRADE NETWORK SYSTEMS A.S.

- Electrical systems for the Bratislava city surveillance camera system

SLOVAK RAILWAYS

- Upgrading a railway line at the Bratislava – Žilina – Čadca section – implementation of low voltage connections

ČERVENÍK MUNICIPALITY

- Supply and assembly of a transformer station and electrical distributors for a 24 – apartment house



Swedwood, Krásno nad Kysucou



Tennis hall in Piešťany

Balance Sheet, Profit and Loss Account



Consolidated Balance Sheet ending with the 31st December 2014 in thousands of EURO

	To 31/12/2014	To 31/12/2013
Non-current assets	12,068	9,141
Intangible assets	86	57
Tangible assets	9,969	6,934
Other movable property	1,572	886
Goodwill	0	0
Non-current financial assets	0	1
Other financial assets	357	1,188
Long-term receivables	22	34
Deferred tax assets	62	41
Short-term assets	67,015	64,585
Inventory	852	1,460
Receivables	34,085	24,760
Other receivables	2,162	4,400
Short-term accruals	948	344
Cash and bank accounts balances	28,968	33,621
Total assets	79,083	73,726
Equity attributed to shareholders	38,617	27,790
Share capital	1,052	1,052
Fund of exchange differences	2	0
Capital and Statutory funds	286	12
Funds of profit	2,683	347
Retained earnings	24,702	17,919
Profit for the period attributed to shareholders of the mother company	9,892	8,460
Equity attributed to non-controlling shares	375	41
Total equity	38,992	27,831
Long-term liabilities	921	861
Long-term trade and other payables	382	443
Deferred tax liabilities	157	216
Long-term provisions	382	202
Current liabilities	39,170	45,034
Short-term trade payables	21,881	35,529
Liabilities to the state	5,823	501
Other current liabilities	4,470	6,461
Short-term income and accrued expenses	212	113
Short-term provisions	6,715	2,375
Short-term borrowing	69	55
Total liabilities	40,091	45,895
Total equity and liabilities	79,083	73,726

	Year 2014	Year 2013
Sales	123,781	94,821
Cost of goods sold	-10,900	-10,255
Shaft material and energy	-48,235	-37,150
External services	-17,345	-13,062
Occupational loan	-23,850	-20,207
Depreciation	-1,110	-1,082
Gross margin	22,341	13,065
Other operating income	35	-1,143
Other operating expenses	-7,486	-603
Operating profit	14,890	11,319
Financial income	1,036	218
Financial expenses	-1,386	-397
Profit before tax	14,540	11,140
Income tax	-4,698	-2,678
Profit after tax	9,842	8,462
<i>Shares in associated companies affiliated operations</i>		
Discontinued operations		
Profit from discontinued operations	0	0
Profit for the period	9,842	8,462
Assigned to:		
holders of the parent company	9,892	8,460
non-controlling shares	-50	2

Consolidated Profit and Loss Account ending with the 31st December 2014 in thousands of EURO

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ANNUAL REPORT AVAILABILITY

The printed annual report is available at the company's registered office and can be sent by post upon request.
 The report can be downloaded in PDF format from www.ppa.sk.
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River park, Bratislava



Hotel Carlton, Bratislava