Annual Report 2015

PPA CONTROLL®

Managing Director's Statement

PPA CONTROLL – the group of the companies – has succeeded in meeting, and in some areas, even exceeded the targets set for year 2015. More than one subsidiary company has achieved the best economic results in their history. We have continuously remained to keep steadily our leading position on the standard markets such as nuclear and, as usual, power engineering, technology and construction equipment, and instrumentation and regulation in the field of design, supply and assembly works. We have successfully consolidated our position as a distributor of energy as well as in energy management and administration.

Despite the overall reduction in the pace of construction in the area of nuclear energy, the subsidiary company PPA ENERGO s.r.o. managed to achieve good economic results and remain one of the most important and reliable suppliers on this market. Accomplishing the contracts in-process, in particular those related to the completion of the 3rd and 4th units at Mochovce, may continue to be assessed as very successful.

PPA INŽINIERING, s.r.o. continued to carry out deliveries of the work of the industrial and transportation structures. In the area of constructing multipurpose buildings the company as a contractor has significantly contributed to the Building of the Year 2015 - City Arena Trnava. Our activities within the project of reconstruction and modernization of Planta Centro power unit in Venezuela have been successfully completed and handed over. The high quality of work delivered is a good base for successful establishment on similar markets.

PPA Power DS, s.r.o. also continued to expand its range of customers providing them with the highly qualified services in the field of energy management and administration, and managed to strengthen its position as a major distributor of electricity and natural gas. The company achieved the best economic result in its ten-year history.

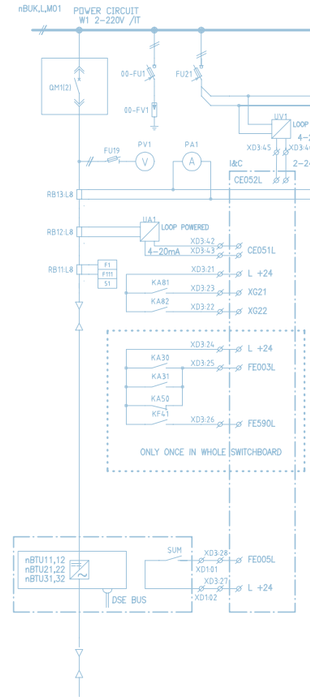
Thanks to many years of experience in international business, PPA TRADE, s.r.o. managed to achieve excellent economic results overcoming historically the best year – 2014, even at a lower number of deliveries.

Priority for our company remains the well elaborated system of quality management and environmental protection, as well as the measures ensuring occupational safety and health. The successful implementation of this objective is proven by the certificates of Lloyd's Register Quality Assurance achieved. The quality management system under ISO 9001: 2008, as well as environmental management system according to ISO 14001:2004 and safety management system and occupational health OHSAS 18001:2007 are all certified.

2015 was the year in which we analysed in detail the reasons for achieving good results in the long term with readiness to meet equally ambitious targets in the future. A wealth of experience, expertise and management skills of our employees guarantee that our high tasks will be met.

In 2016, we will be implementing the conclusions and measures resulting from the updated Company strategy in 2021 aimed at deepening our own know-how, reinforcing key competences, implementation of the innovation system, improving expertise of our employees, product and territorial development of trade as well as increasing efficiency of our own internal processes.

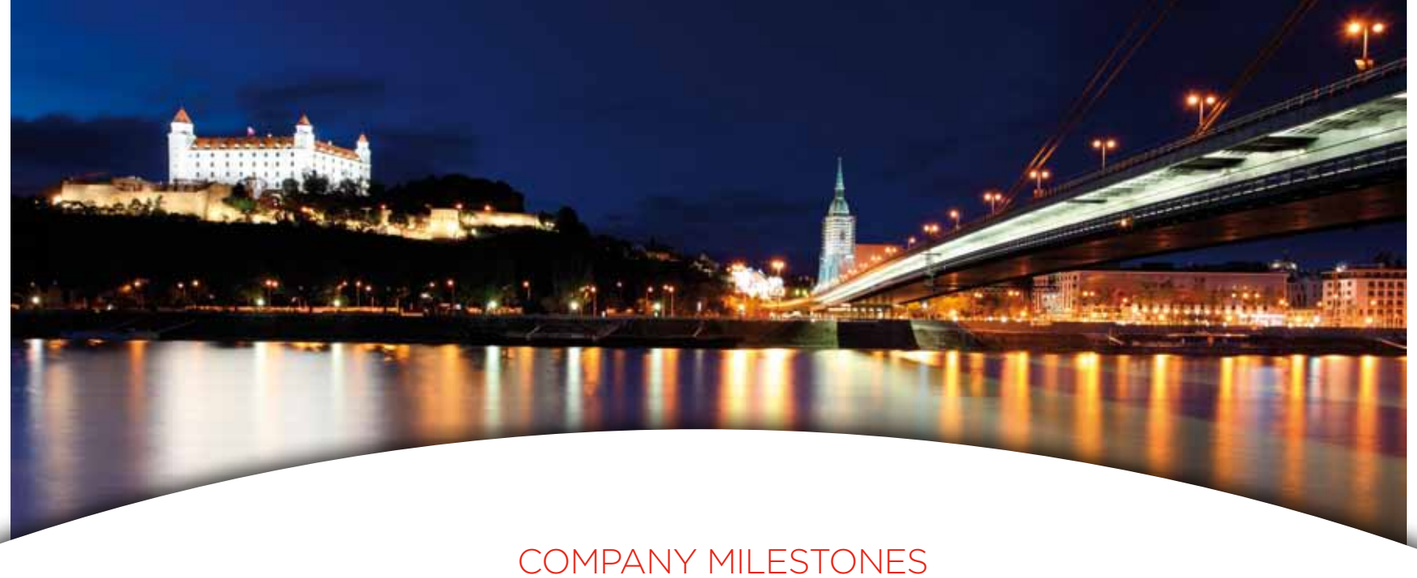
We believe that implementing these measures successfully can ensure and achieve the desired, sustainable development of our companies not only in 2016, but as indicated in the name of the strategy, also in the coming period, and up to 2021.



Ing. Bystrík Berthoty
Managing Director

About the company

PPA CONTROLL, a. s.



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

CORPORATE PHILOSOPHY

As a 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

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

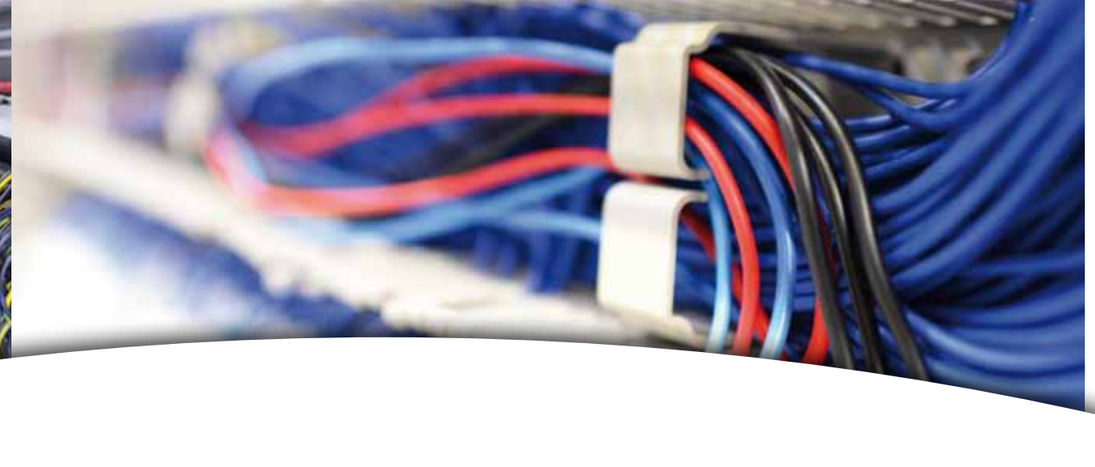
PPA CONTROLL, a.s. established

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



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 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

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

TECHNOLOGICAL EQUIPMENT FOR MOTORWAYS AND TUNNELS
- Supply of electric power for tunnels - HV, LV, UPS, backup sources
- Tunnel lighting
- Tunnel ventilation
- Tunnel radio
- Radio connection in tunnels
- Measuring of physical variables in tunnels
- Emergency call telephones
- Measuring meteorological variables
- Traffic monitoring systems
- Traffic management systems - variable traffic signs, traffic control systems
- Security systems - video surveillance, fire signalling, intrusion detection
- Technology control systems
- Integration of individual technological devices
- Operator station - control rooms

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

MANAGEMENT OF INDUSTRIAL PARKS AND BUILDINGS

Management and administration
- Administration management, management administrative, reports - monthly reports, annual management reports
- Budgets
- Technical issues

Technical administration
- Economic operation of buildings and energy facilities
- Preventive operation maintenance, scheduled service, Non-stop 24-hour emergency service
- Post-repair maintenance - technical inspections and reviews of selected technical equipment
- Administration and records

Facility management
- Maintenance of buildings and greenery
- Summer and winter maintenance of roads, sewer maintenance
- Waste management, sewage treatment plant

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

Lloyd's Register LRQA

CERTIFICATE OF APPROVAL

This is to certify that the Management System of:

PPA CONTROLL, a.s.
Vajnorská 137
830 00 Bratislava
Slovak Republic

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards:

ISO 9001:2008
STN EN ISO 9001:2009

The scope of this approval is applicable to:

Design, engineering, project management, installation and servicing of instrumentation and process control systems and equipment for weak and heavy current distribution in power, chemical, food, metallurgy, and other branches of industry including power plants. Design and production of electrical switchboards. Purchasing and selling of energy.

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Approval Certificate No: PRA 0003912

Original Approval: 28 November 1997
Current Certificate: 1 December 2015
Certificate Expiry: 14 September 2018

Issued by: Lloyd's Register EMEA, Prague office, for and on behalf of Lloyd's Register Quality Assurance Limited

Lloyd's Register LRQA

CERTIFICATE SCHEDULE

PPA CONTROLL, a.s.
Vajnorská 137
830 00 Bratislava
Slovak Republic

Head Office:
PPA CONTROLL, a.s.
Vajnorská 137
830 00 Bratislava
Slovak Republic

Activities:
Design, engineering, project management, installation and servicing of instrumentation and process control systems and equipment for weak and heavy current distribution in power, chemical, food, metallurgy, and other branches of industry including power plants. Design and production of electrical switchboards. Purchasing and selling of energy.

Locations:

PPA ENERGO s.r.o.
Vajnorská 137
830 00 Bratislava
Slovak Republic

Activities:
Design, engineering, procurement, production of electrical switchboards, installation and servicing of instrumentation and process control systems and equipment for weak and heavy current distribution.

PPA INŽINIERING, s.r.o.
Vajnorská 137
830 00 Bratislava
Slovak Republic

Design, engineering, procurement, installation and servicing of instrumentation and process control systems and equipment for weak and heavy current distribution.

PPA TRADE, spol. s r.o.
Vajnorská 137
830 00 Bratislava
Slovak Republic

Procurement and distribution of instrumentation and process control devices, electrotechnical products and materials.

Approval Certificate No: PRA 0003912

Original Approval: 28 November 1997
Current Certificate: 1 December 2015
Certificate Expiry: 14 September 2018

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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 1400l 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 STN 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 2015, PPA CONTROLL, a.s. devoted its attention and support to the non-commercial activities for physically disabled people, culture, sports and protection of animals.
We provided a financial donation to the Association of Slovak Entrepreneurs; we devoted funds to PRO SCÉNA Company to complete the project ROČENKA SCÉNOGRAFIE 2014/2015. We also supported sport activities, specifically basketball club in Stará Turá and SKI TEAM Štrbské Pleso. The folk group Praslica was also supported.
At the same time we forwarded 1% of the tax paid to the beneficiaries appointed to assist the physically disabled and ill people and those who dedicate their activities to protection of animals and Bratislava Boys Choir was also supported.

Lloyd's Register LRQA

CERTIFICATE OF APPROVAL

This is to certify that the Management System of:

PPA CONTROLL, a.s.
Vajnorská 137
830 00 Bratislava
Slovak Republic

has been approved by Lloyd's Register Quality Assurance to the following Environmental and Safety Management System Standards:

ISO 14001:2004 OHSAS 18001:2007

The scope of this approval is applicable to:

Acquisition of the contracts for design, supply of equipment, installation and service provision in the industry sectors and power industry, its intermediation to daughter companies and economical support of daughter companies.

Approval Certificate No: PRA 6018828

Original EMS Approval: 30 December 2013
Original SMS Approval: 30 December 2013
Current Certificate: 30 December 2013
Certificate Expiry: 29 December 2016

Issued by: Lloyd's Register EMEA, Prague office, for and on behalf of Lloyd's Register Quality Assurance Limited

Company Statutory Bodies

Switchboard

EXECUTIVE BOARD

Ing. Bystrík Berthoty, Chairman

Born August 9, 1965 and a graduate of the University of Economics in Bratislava. He joined the Company in 1999. At present, he has been Managing Director since 2012 and Chairman of the Executive Board since 2015.

Ing. Ladislav Ondriš, Vice Chairman

Born November 22, 1956 and a graduate of the University of Economics in Bratislava. Between 1999 and 2014 he was Chairman of the Supervisory Board. He has been Vice Chairman of the Executive Board since 2015.

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.

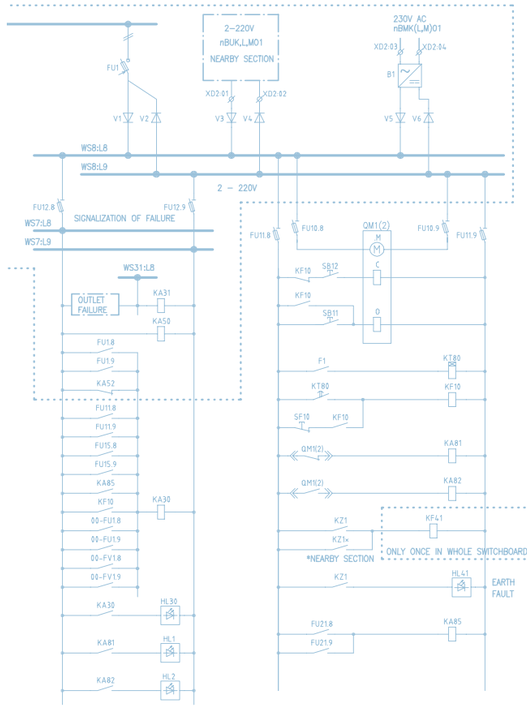
Ing. Mgr. Tibor Gregor, Member

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.



Organizational Structure

Assembly workers of PPA CONTROLL group

Assembly hall of switchboard production

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

JUDr. Marek Jurina
In-house legal counsel

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 SLAVUTIČ KYJEV, s.r.o.

Ing. Peter Gašparových
Executive Director

PPA CONTROLL CZ, A.S.

Luboš Sobotka
Executive Director

PPA CONTROLL DO BRASIL LTDA.

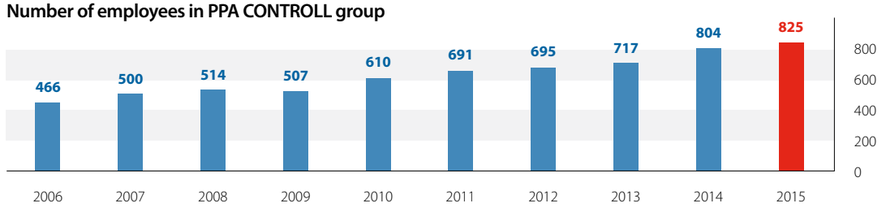
Ján Pivarči
Executive Director

Human Resources

EMPLOYEE STRUCTURE

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 2015 grew to 825 employees.
The staff stability index in 2015 (percentage of employees with 5 years or more of service with the group out of the total number of employees) was 54%.

Number of employees in PPA CONTROLL group



Number of employees by Gender

	No. of employees	in %
Women	135	16%
Men	690	84%

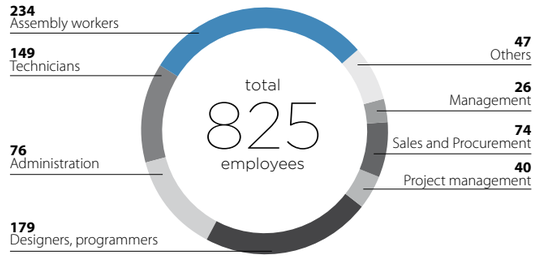
Number of employees by Education

Education	Primary	Secondary	University
No. of employees	6	473	346
in %	1%	57%	42%

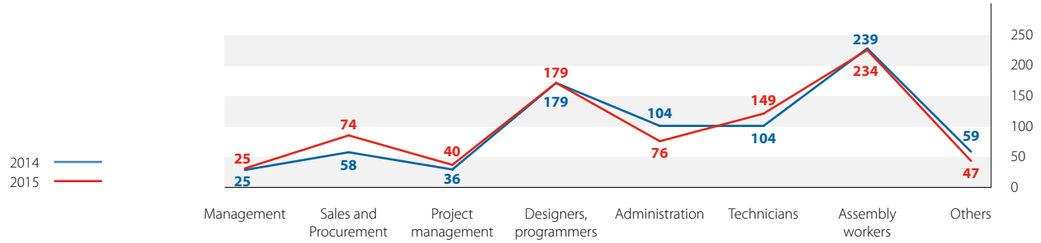
Number of employees by Age

	18-29	30-39	40-49	50-59	Over 59	Average Age	
No. of employees 2015	142	213	182	220	68	**2015**	**43**
in %	17%	26%	22%	27%	8%		

Employee structure by Category



	2013	2014	2015
Management	22	25	26
Sales and Procurement	58	58	74
Project management	31	36	40
Designers, programmers	153	179	179
Technicians	108	104	149
Administration	78	104	76
Assembly workers	208	239	234
Others	59	59	47
Total	**717**	**804**	**825**



EMPLOYEE EDUCATION PROGRAM

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 of employees, 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 2015, the company invested EUR € 201,600.00 in education and training of employees, which was € 252.00 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 employees we offer our customers constant improvement of the level and quality of our services.

References

NPP Jaslovské Bohunice

Turbine hall
NPP Jaslovské Bohunice

Control room

ENERGY

SLOVENSKÉ ELEKTRÁRNE, A.S.,

Jaslovské Bohunice Nuclear Power Plant

V-2 Nuclear Power Plant Units 3 and 4

- Replacement of 6 kV cables for the main circulation pumps, cables for Essential Service Water, cables for Non-essential Service 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 hermetic door in the hermetic area
- Reconstruction of external lights in the NPP V-2 area, Drahovce water intake and Pečeňady pumping station
- Transfer of audible and light signalling to indicate power failures at the Emergency Control Centre to the block control room
- Moving data visualisation technology from the local computer system for the Nuclear Regulatory Authority's area inspector to an office in the Emergency Control Centre.
- Relocating control of technology nodes from the Central Pumping Station control room and air ventilation system control room to the NPP V-2 control room for Blocks 3 and 4
- Replacing existing emergency arc protection systems in substations at NPP V-2 Block 3 and 4, the Pečeňady Central Filtration Station and the Trnava Exchanger Station
- Replacing the reactor protection and control system at NPP V2 Block 3 and 4 - complete laying of cables - subcontracted by ZAT a.s.
- Replacing cables for emergency and regulating compensation drives at NPP V-2 block 3 and 4 - mounting cabling systems and hermetic cable penetration systems - subcontracted by ŠKODA JS a.s.
- Installing mobile measurement units to provide information about selected important post-power-outage parameters at NPP V-2 - subcontracted by VÚJE, a.s.

Mochovce Nuclear Power Plant

Units 1 and 2 at Mochovce NPP

- Manufacture, supply, installation and reconstruction of 0.4 kV switchboards
- 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", "Subsudiary switchboards for secondary circuit", "The Works and inspection in cable areas and cable ducts", " 0.4 kV switchboards for the main production unit – power centers" and for "The automatic controllers and control circuits" – subcontracted by VÚJE, a.s.
- Addition of new signals to iniciate 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 power switchboards
- 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 VÚJE, a.s.)
- Severe accident management – I&C and electric systems (subcontracted by VÚJE, 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 heat removal from the hermetic zone, including adjustment for hermetic zone flooding
- Severe accident management- Emergency cooling source subproject, implementation of the I&C and electrical part (subcontracting for ROEZ, s.r.o.)

References
ENERGY

NPP Mochovce

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 busducts, 6/0.4 kV transformers, 6 kV own consumption switchboard, 0.4 kV switchboards, 0.4 kV motor control centers), Emergency power supply system of category 1 (rectifi ers, 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 Engineering 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 pipe penetrations

Nováky Power Plant

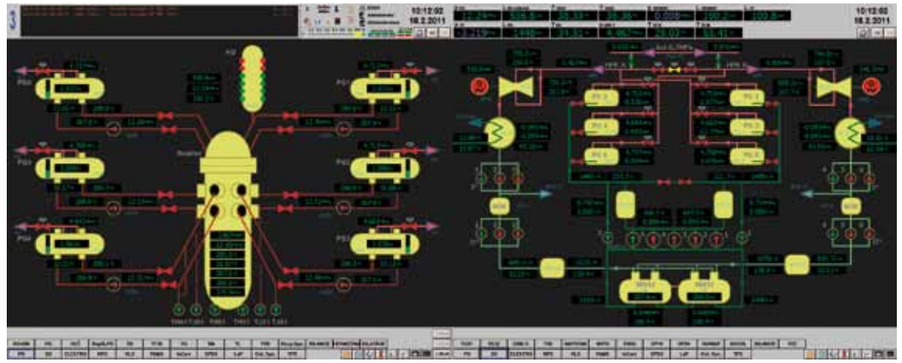
Nováky Power Plant

DeNOx overhaul of block 1 and 2

- Supply and installation of a control system
- Supply and installation of LV cabling for SNCR and primary measures on two steam boilers, to comply with NOx emission limits
- Supply and installation of Ovation (EMERSON) control system
- Supply and installation of LV switchgears, frequency converters and process heaters
- Services: design documentation, modification of existing software and installation of new software, coordination of all supplies, dismantling and assembling of field instrumentation and LV cabling, individual and complex testing, commissioning, staff training and presence at guarantee tests

Hydro Power Plants (HPP)

- Čierny Vah pumped storage power plant (PSPP) – mounting of systems and repair of automatic systems GM1-GM2 motor generators and machine accessories
- Reconstruction of drive controllers at Trenčin HPP, Čierny Váh PSPP and Ružin PSPP – 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, Mikšova HPP, Krpeľany HPP, Trenčin HPP and Kostolná HPP
- Reconstructing the control information system for individual turbogenerators at hydro power plant Hričov and Kráľová HPP



Visualisation TPS

References
ENERGY

Thermal power plant in Planta Centro Venezuela

Waterworks Gabčíkovo

Thermal power plant in Planta Centro Venezuela

RNEST Brazil

PLANTA CENTRO THERMAL POWER PLANT, VENEZUELA

Reconstruction of 400 MW Boiler No. 5 – EPC Contract

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

AREVA GmbH

- Installation of electrical and I&C systems for NPP Osharshamn Sweden
- Supply of switchboards for the Tianwan Unit 3 and 4 project

RNEST-PETROBRAS, BRAZIL

- Field instrumentation
- Measurement circuits 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

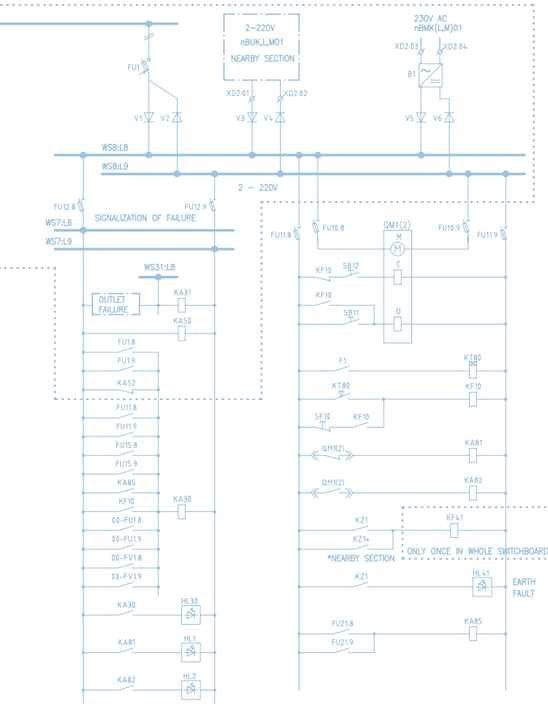
SERVICING, REPAIRING AND INSPECTION OF EQUIPMENT

Slovenské elektrárne a. s.

- I&C and electric equipment maintenance – Jaslovske 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 fi re doors opening
- Provision of readiness to remove defects of V-2 NPP technological, computer and information system
- Modification, upgrading and engineering support of software and corrective maintenance of hardware in the technology computer system
- 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
- Repairing rectifiers and frequency converters - Power Plant in Nováky
- Servicing the elements of electronic security system - Power Plant Nováky
- Repairs on GESTRA steam traps – NPP V-2
- Diagnostics and service of drain pipes for steam turbine-generator – NPP in Mochovce

Jadrová a vyraďovacia 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



INDUSTRY

VOLKSWAGEN SLOVAKIA A.S. BRATISLAVA

VW H4c – LV busbar system and S- stations

- Supply and assembly of 2,500A low voltage bus bar system
- Supply and assembly of a penthouse transformer stations

BODY SHOP BUILT-IN OFFICES

- 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

VODOHOSPODÁRSKA VÝSTAVBA

- **Modra Water Treatment Plant (WTP)** - construction electric equipment and work, transformer station, HVAC system
- **WTP Krupina** – transformer station, power electric and construction electric equipment and work, HVAC system, I&C, process automation-control system connected to the control centre
- **WTP Halíč** – transformer station, construction electric equipment and work, HVAC system
- **WTP Sered'** – power electric and construction electric equipment and work, filling stations with transfer, I&C, process automation -control system connected to the control centre
- **WTP Podbrezová** – power electric and construction electric equipment and work, HVAC system
- **WTP Poltár** – power electric and construction electric equipment and work, HVAC system, I&C, process automation -control system connected to the control centre
- **WTP Stará Turá** – power electric and construction electric equipment and work, HVAC system

U. S. STEEL KOŠICE

Repair of electrical installation, instrumentation of auxuliary drives for TD3 turbocharger

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

Repair of EK2 electrical installation

- Delivery and assembly of internal electrical installation, cable support systems
- Supply and assembly of high voltage switches
- Supply and installation of control panels for EK2

Reconstruction of TD5 turbine

- Delivery and assembly of internal electrical installation, cable support systems
- Delivery and installation of rotor trigger, temperature and pressure sensors, electro-pneumatic servo drivers
- Supply and installation of switchgears and control system for Simatic S visualisation

Combining PZ2 control panels

- Delivery and assembly of internal electrical installation, cable support systems
- Combining original control panels into a single new one

Reconstruction of 5ST TANDEM transducers

- Assembly of internal electrical wiring
- Dismantling of existing switchgears and installation of new transducers
- Connecting and activating equipment

Repair and installation of protective atmosphere humidification at PZ2

- Delivery and assembly of internal electrical installation, cable support systems
- Installation of Symatic S5 control system

References
INDUSTRY

Duslo Šaľa

Heating plant

DUSLO A.S., ŠAĽA

- Processing project documentation for reconstruction of field instruments at a TN network - I&C and electrical engineering
- Supply of switchboards for CHUV3 reconstruction and modernisation (subcontracted by Extec s.r.o.)

HOLCIM ROHOŽNÍK A.S.

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

NAFTA A.S., SUCHOHRAD

Construction of fire alarms and gas detection systems to increase ZS3 safety

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

EUSTREAM, A. S.

- Extention of station control system (SCS) KS01 and connecting actuators for the project: Embedding Replacing worn-out bypass ball valves at natural gas inlet

CONTINENTAL MATADOR RUBBER S.R.O., PÚCHOV

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

STEFE BANSKÁ BYSTRICA, A.S.

Heating Plant Banská Bystrica - Radvaň

- Remote turbogenerator control - Stage 1
- Adding servo drive
- Adding control system

ZVOLENSKÁ TEPLÁRENSKÁ

Remote control

- Hotline, service and emergency service

DRAKA COMTEQ SLOVAKIA S.R.O. PRODUCTION PLANT, PREŠOV

- Supply and installation of LV cabling in a new production plant
- Weak current connection
- Supply and installation of I&C systems

IMUNA PHARM A.S., ŠARIŠSKÉ MICHAĽANY

INFUSION SOLUTION STORAGE AREA

- Supply and installation of internal HV and LV cabling
- Supply and installation of cable support systems
- Supply and installation of HV switchgear and HV transformer
- Establishing HV connection

MTA SLOVAKIA S.R.O., BÁNOVCE

Supply and installation of heavy current electrical wiring in a production and storage plant

- Supply and installation of LV cabling in a new production hall
- Supply and installation of a busbar systems
- Supply and installation of external area lighting and heating of roads
- Supply and installation of HV connection and HV distribution cabling
- Supply and assembly of a transformer station

Tunnel control simulator

Tunnel Horelica

Tunnel Branisko

TECHNOLOGICAL EQUIPMENT FOR ROADWAY TUNNELS, MOTORWAYS AND RAILWAYS

NDS, A.S. (NATIONAL HIGHWAY COMPANY)

Motorway D1 Dubná Skala - Turany, Motorway Information System (MIS)

PPA CONTROLL, a.s. complex delivery of construction and engineering parts for MIS D1 Dubná Skala - Turany (about 16 km):

- Communications infrastructure
- Supply, installation, integration and visualisation of meteorological stations
- Supply, installation, integration and visualisation of traffic counters
- Supply, installation, integration and visualisation of emergency phones
- Integration and visualisation of rainwater pumping stations
- Road lighting signalization
- Technological communication switchboards
- Surveillance cameras
- Operator station at the Management and Highway Maintenance Centre, Martin
- Microwave data transmission from the motorway to the Management and Highway Maintenance Centre, Martin

Delivery, assembly and maintenance of our installations of road tunnels

Horelica Tunnel

- Amendment and adaptation of the central control system software, update of traffic-operating conditions and adjustments to visualization
- Servicing the central control system
- Breakdown repairs

Branisko Tunnel

- Design documentation for upgrading emergency tunnel lighting
- Design documentation for replacing traffic signs

Bôrik Tunnel

- 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
- Breakdown repairs

Bôrik Tunnel – additional technical equipment in the tunnel

- Adding measurement vehicle height sensors
- Replacing permanent traffic sign IP 11 – emergency parking places for LED illuminated
- Adding FM radio broadcasting into the tunnel

Maintenance of Motorway Information Systems (MIS)

- Motorway D1: Sverepec – Vrtižer
- Motorway D1: Vrtižer – Hričovske Podhradie
- Motorway D1: Hričovske Podhradie – Žilina (Stražov)
- Motorway D1: Važec – Mengusovce
- Motorway D1: Mengusovce – Janovce
- Motorway D1: Studenec – Beharovce

Scope :

- Construction (power supply distributors, cabling, grounding)
- Emergency call stands
- Electronic security alarms
- Surveillance cameras
- Technological communication switchboards
- 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

DOPRAVOPROJEKT, A.S.

- D4 Motorway Bratislava, Jarovce - Ivanka north - Rača – design documentation for building permission, part of HIS

SLOVAK RAILWAYS

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

D1 Park Senec

Logistics park

OUTSOURCING OF POWER ENGINEERING

COMPREHENSIVE INDUSTRIAL SITE MANAGEMENT

Technical and non-technical management of energy facilities and structures, optimisation of energy processes, power supply, local distribution of energy, engineering contractor work:

- D1 Park Senec, ProLogis park
- 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

- L3 Logistics Park, Lozorno
- D&K Küster Industrial Park, Devinska Nova Ves
- Košice Airport Industrial Park
- EUROVEA Shopping Centre, Bratislava
- Galleria Shopping Centre, Lučenec
- Automotive Industrial Park, Lozorno
- Industrial Park, Veľká Ida

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 cut-off points and 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

- Plastic Omnium Auto Exterios
- SLOVALCO Žiar nad Hronom
- 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

OPERATION OF ENERGY SOURCES

- Photovoltaic power plant, Drahovce
- Photovoltaic power plant, Seľany
- Photovoltaic power plant, Čechanky
- Biogas power plant, Veľke Turovce, Kamenica nad Cirochou

Technical operation of plants

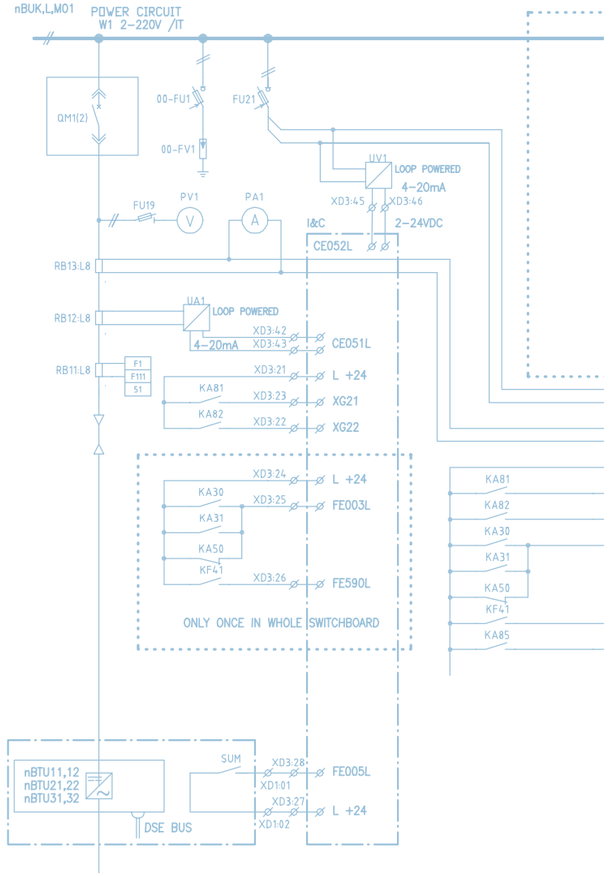
Trouble-free operation of plants, servicing, maintenance

Legislative resource management

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

Westend Quadrant, Bratislava

City Arena Trnava



OTHER

CITY ARENA TRNAVA CONSTRUCTION OF THE YEAR 2015

Supply and installation of LV cabling and installation of football stadium lighting

- Production, supply and installation of distribution switchboards
- Supply and construction of cable support systems
- Supply and installation of lighting in the stadium
- Installation of UEFA lighting for the playing field
- Design, production, supply and installation of switchgears for lighting of the playing field
- Supply and installation of emergency lighting system, including lighting loops of the central battery system
- Supply and assembly of control elements (switches and sockets) in the stadium
- Supply and assembly of lightning systems
- Supply and installation of bathroom heating systems

WESTEND SQUARE, BRATISLAVA

- Supply, assembly and as-built design
- LV cabling
- LV switchboards
- Internal and external lighting
- Grounding and lightning protection
- Diesel generator 800 kVA

WESTEND QUADRANT, BRATISLAVA

- Supply, assembly and as-built design
- HV switchroom, transformers
- HV, LV cabling
- LV switchboards
- UPS
- Internal and external lighting
- Grounding and lightning protection
- Central battery system
- Operating a transformer substation

SLOVAK TELEKOM, A. S.

- Replacing the main circuits breakers at Slovak Telekom locations
- Power supply to Slovak Telecom buildings in Pezinok and Trnava - preparing project documentation, supply, installation and commissioning

UNIVERSITY OF ŽILINA

University of Žilina Research Centre, Žilina

- Supply and assembly of light current distributors and equipment EPS, CCTV, fire-evacuation system radio, attendance system, structured cabling, active network components, servers, backup power source.

Supply and installation of heavy-current distributors, lighting, socket wiring and switchgears

University of Žilina Science Park, Žilina

- Supply and assembly of light current distributors and equipment EPS, CCTV, fire-evacuation system radio, attendance system, structured cabling, active network components, servers, backup power source.

University of Žilina Intelligence Park, Žilina

Electrical assembly work, power distribution systems, optical networks, light-current distributors, cable routes.

TRNAVA TEACHING HOSPITAL

- Changing LV power distribution wiring and replacing electrical power source

ORGA-TRADE NETWORK SYSTEMS A.S.

- Electrical systems for the Bratislava city surveillance camera system

Balance Sheet, Profit and Loss Account

Consolidated Balance Sheet ending with the 31st December 2015 in thousands of EURO

	TO 31/12/2015	TO 31/12/2014
Non-current assets	**12,771**	**12,068**
Intangible assets	76	86
Tangible assets	9,878	9,969
Other movable property	1,693	1,572
Goodwill	0	0
Non-current financial assets	0	0
Other financial assets	192	357
Long-term receivables	472	22
Deferred tax assets	460	62
Short-term assets	**65,554**	**67,015**
Inventory	1,444	852
Receivables	33,435	34,085
Other receivables	3,180	2,162
Short-term accruals	727	948
Cash and bank accounts balances	26,768	28,968
Total assets	**78,325**	**79,083**
Equity attributed to shareholders	**39,282**	**38,617**
Share capital	1,052	1,052
Fund of exchange differences	47	2
Capital and Statutory funds	285	286
Funds of profit	2,683	2,683
Retained earnings	28,856	24,702
Profit for the period attributed to shareholders of the mother company	**6,359**	**9,892**
Equity attributed to non-controlling shares	328	375
Total equity	**39,610**	**38,992**
Long-term liabilities	**9,073**	**921**
Long-term trade and other payables	546	382
Deferred tax liabilities	110	157
Long-term provisions	8,417	382
Current liabilities	**29,642**	**39,170**
Short-term trade payables	22,742	21,881
Liabilities to the state	1,324	5,823
Other current liabilities	4,189	4,470
Short-term income and accrued expenses	472	212
Short-term provisions	906	6,715
Short-term borrowing	9	69
Total liabilities	**38,715**	**40,091**
Total equity and liabilities	**78,325**	**79,083**

Consolidated Profit and Loss Account ending with the 31st December 2015 in thousands of EURO

	YEAR 2015	YEAR 2014
Sales	117,117	123,781
Cost of goods sold	-10,405	-10,900
Shaft material and energy	-45,274	-48,235
External services	-23,683	-17,345
Occupational loan	-25,489	-23,850
Depreciation	-1,079	-1,110
Gross margin	**11,187**	**22,341**
Other operating income	836	35
Other operating expenses	-3,048	-7,486
Operating profit	**8,975**	**14,890**
Financial income	1,493	1,036
Financial expenses	-1,628	-1,386
Profit before tax	**8,840**	**14,540**
Income tax	-2,532	-4,698
Profit after tax	**6,308**	**9,842**
Shares in associated companies affiliated operations	0	0
Discontinued operations		
Profit from discontinued operations	0	0
Profit for the period	**6,308**	**9,842**
Assigned to:		
holders of the parent company	6,359	9,892
non-controlling shares	-51	-50

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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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