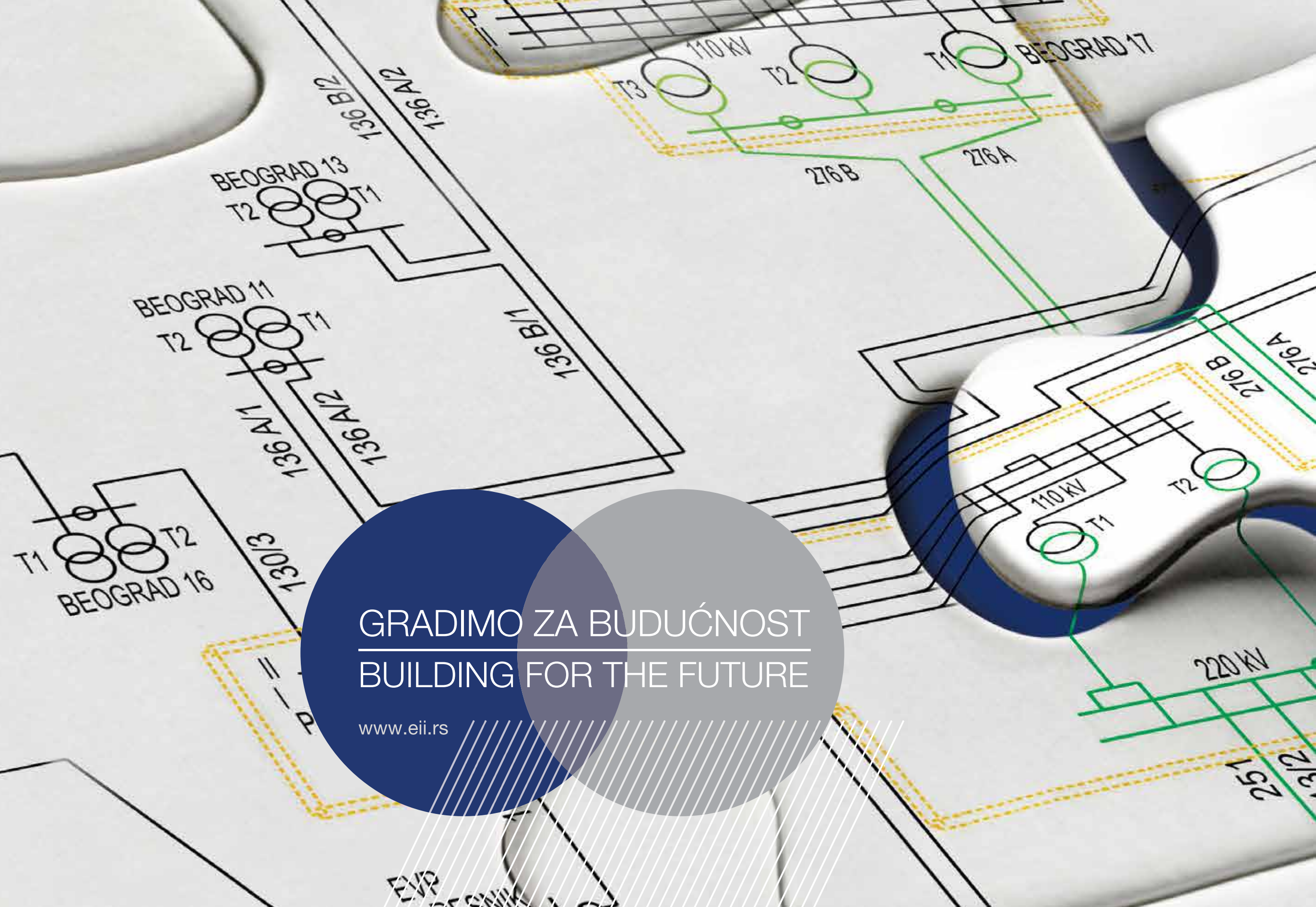




GRADIMO ZA BUDUĆNOST BUILDING FOR THE FUTURE

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Member Company

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INTEGRISANI SISTEM MENADŽMENTA
INTEGRATED MANAGEMENT SYSTEM





Poštovani partneri,

Više od 50 godina ime PD „Elektroistok Izgradnja” d.o.o. sinonim je za visokoprofesionalno, stručno i kvalitetno izvođenje radova na objektima elektroenergetskog sistema Srbije i regiona.

Liderstvo u izgradnji trafostanica i dalekovoda najviših naponskih nivoa stečeno je stalnim profesionalnim i stručnim usavršavanjem i stvaranjem motivacije za ispoljavanje ličnih inicijativa svakog pojedinca ka unapređenju radnih procesa i radnog ambijenta kojim se afirmiše timski rad, međusobno uvažavanje i poverenje među kolegama i, iznad svega, poštovanjem zahteva i praćenjem zadovoljstva naručioca kao krajnjeg korisnika.

Takvim pristupom postali smo pouzdan oslonac za izvođenje najsloženijih i najzahtevnijih radova kako za JP “Elektromreža Srbije” kao Osnivača tako i za druge naručioce, a korektnim odnosom i uvažavanjem konkurencije izgrađen je pozitivan imidž i respekt u javnosti.

Ispunjen zadovoljstvom da predvodim tim mladih, stručnih, društveno odgovornih i uspešnih ljudi u uspešnom privrednom društvu, preporučujem vam stranice koje slede, pozdravljam vas i pozivam na obostrano uspešnu saradnju.

Sa uvažavanjem,
Radiša Kostić, dipl. el. ing.

Dear partners,

For more than 50 years PD „Elektroistok Izgradnja” d.o.o. is the synonym for highly professional and well executed construction works on power system facilities in Serbia and in the region.

Leadership in the construction of substations and overhead lines of the highest voltage levels is gained by continuous professional and educational training and by creating motivation for the expression of personal initiative for each individual towards the improvement of work processes and work environment that promotes teamwork, mutual respect and trust among colleagues and, above all, respecting requirements and following the satisfaction of our Employer as the end user.

With this approach we have become a reliable support for the execution of the most complex and demanding tasks for both the Serbian Transmission System and Market Operator (JP “Elektromreža Srbije”) as the Founder and also for other clients, while fair treatment and respect for the competition built a positive image and respect of the public.

Fulfilled with pleasure to lead a team of young, professional, socially responsible and successful people in the successful company, I recommend the following pages and invite you to a mutually successful cooperation.

Respectfully,
Radiša Kostić, M. Sc. E. E

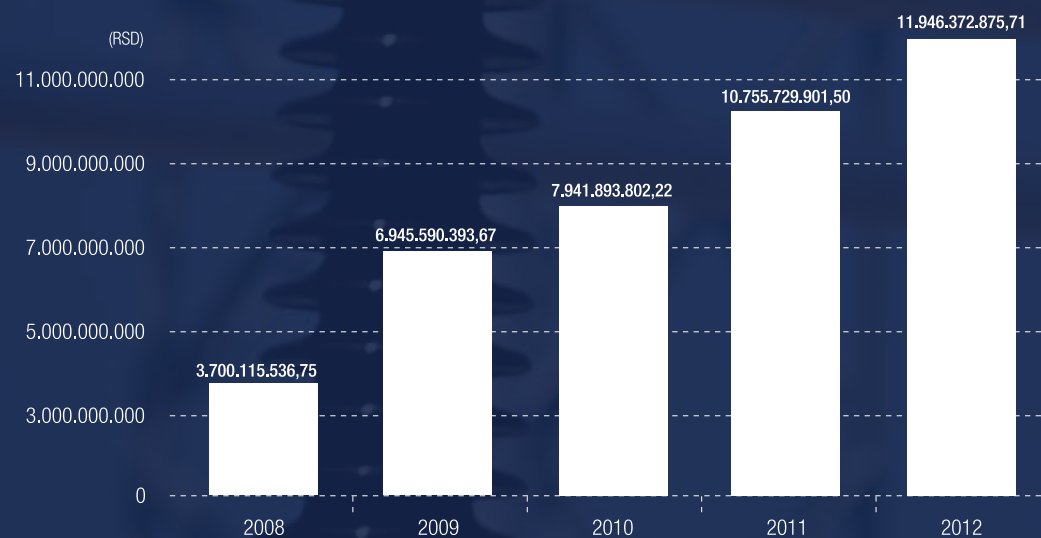
O NAMA

PD „Elektroistok Izgradnja” d.o.o. je savremeno koncipirana, visoko tehnološki opremljena i osposobljena firma, specijalizovana za sve vrste elektro i građevinskih radova u savremenim elektroenergetskim objektima pogonskog napona do 400 kV.

Sa prosečnim godišnjim obrtom od 10 miliona evra, pozitivnim poslovanjem i ostvarivanjem dobiti u poslednjih pet godina, svrstavamo se u sam vrh kompanija ovog tipa u regionu.

Poslovna politika firme u sferi osposobljavanja za izvršenje zadataka iz svoje delatnosti, podrazumeva pozitivnu selekciju i specijalizaciju zaposlenih, poboljšanje kvalifikacione strukture, kao i ovladavanje veštinama i znanjima koje zahtevaju nove tehnologije.

UKUPAN PROMET PO GODINAMA



MISIJA

Stalno unapređujući specifičan „know how“, društveno odgovornim i tehnološko-inovativnim pristupom, obnavljamo i proširujemo elektroenergetski sistem doprinoseći razvoju društva.

VIZIJA

PD „Elektroistok Izgradnja” d.o.o. je da kao savremeno koncipirano i profitabilno privredno društvo, ima za cilj dalji razvoj svoje osnovne delatnosti, sa zadržavanjem liderske pozicije u domenu izgradnje, rekonstrukcije i održavanja elektroenergetskih postrojenja i dalekovoda naponskih nivoa 110, 220 i 400 kV.

CILJEVI POSLOVNE POLITIKE

- Očuvanje imidža pouzdanog oslonca osnivaču JP „Elektromreža Srbije” za pružanje kvalitetnih i blagovremenih usluga i radova na visokom tehničkom i profesionalnom nivou
- Korektan odnos prema korisnicima usluga, poslovnim partnerima i konkurentima
- Proaktivni pristup punog zadovoljstva svih korisnika naših usluga
- Održavanje pozitivnog imidža firme u javnosti
- Očuvanje liderske pozicije u izvođenju radova na objektima prenosne mreže
- Unapređenje Integrisanog sistema menadžmenta
- Aktivna poslovna politika u osvajanju novih tržišta u zemlji i inostranstvu
- Unapređenje produktivnosti, ekonomičnosti i rentabilnosti
- Unapređenje tehničkog i poslovnog informacionog sistema
- Profesionalno usavršavanje i zadržavanje kvalifikovanih zaposlenih
- Zaštita čovekove okoline

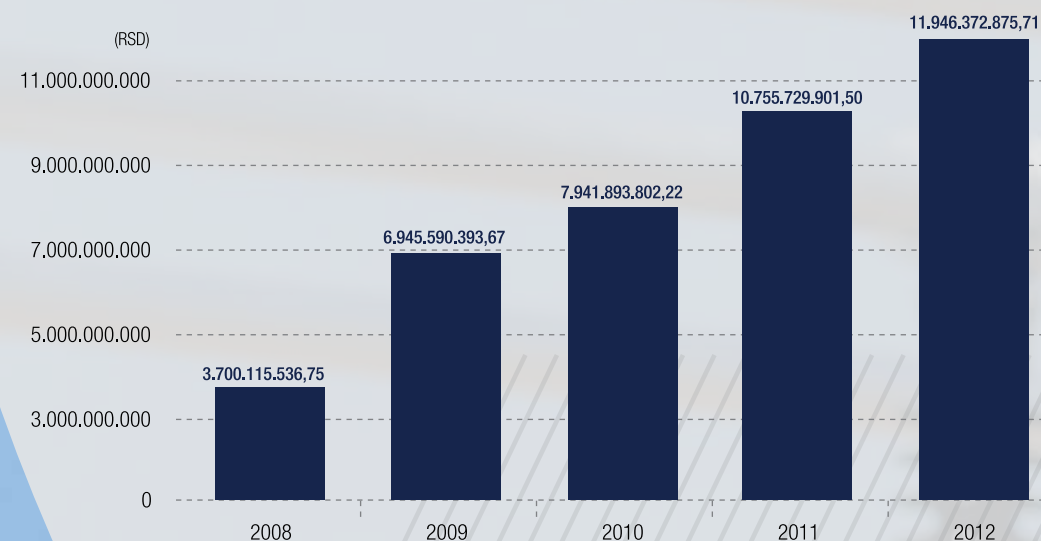
ABOUT US

PD „Elektroistok Izgradnja” d.o.o. is a modernly set up, highly technologically equipped and competent firm, specialized in all types of electrical and civil works performed in modern electrical power plants, substations and OHL up to voltage levels of 400 kV.

With average annual turnover of 10 million euros, with positive and profitable business activities in the last 5 years, we are among the top companies of our type in the region.

The business policy of the firm in the area of specialization of staff for performance on duties in the their respective fields of expertise, dictates positive selection and training of employees, improvement of its qualification structure, as well as enabling them to gain skills and abilities required by the new technologies.

TOTAL ANNUAL TURNOVER



OUR MISSION

With constant upgrades of our specific “know-how”, and with socially responsible and technologically innovative approach, we are restoring and expanding energy power system, while at the same time we manage to contribute to the development of our society.

OUR VISION

The Vision of PD „Elektroistok Izgradnja” d.o.o., as a modernly organized and highly profitable economic enterprise, is to keep its leading position in the range of construction, overhauling and maintenance of power plants and overhead lines of voltage levels 110, 220 and 400 kV, while at the same time continuing further development of its basic field of expertise.

GOALS OF BUSINESS POLICY

- Maintaining our image as reliable support to our founder Serbian Transmission System and Market Operator regarding high quality and timely services and works with high level of expertise and professionalism
- Good relations with our clients, business partners and with our competition
- Proactive approach to the satisfaction for all our other clients
- Maintaining of positive public image
- Maintaining our leading position regarding execution of works on facilities in power transmission network
- Upgrading integrated quality management system
- Active business policy in conquering new markets in country and abroad
- Upgrading on our productivities, economic and profitable activities
- Upgrading on technical and business information systems
- Developing of professional expertise and keeping of qualified staff
- Preservation of environment



ISTORIJAТ 02
HISTORY

1961.

ISTORIJAT

Osnovani smo daleke 1961. godine pod nazivom Pogon za projektovanje i izgradnju u sastavu tadašnjeg Preduzeća za prenos električne energije „**ELEKTROISTOK**“, koje je bilo deo Združene Elektroprivrede Srbije. OOUR Izgradnje unutar „**ELEKTROISTOK**“-a se bavio izgradnjom, rekonstrukcijom i proširenjima postojećih transformatorskih stanica prenosne mreže SR Srbije, pri limitiranim uslovima njihovih isključenja. Delatnost ovog OOUR-a se uglavnom sastojala iz projektovanja, izrade i montaže čeličnih elemenata transformatorskih stanica i elektromontažnih radova pri rekonstrukciji postojećih i izgradnji novih transformatorskih stanica u prenosnoj mreži Srbije. Zajedno sa ekipama za održavanje i remont stacioniranim pri pogonima „**ELEKTROISTOK**“-a, Pogon izgradnje je učestvovao u vršenju većih remonta i vršio je hitne intervencije u cilju otklanjanja kvarova u transformatorskim stanicama i prenosnoj mreži.

Realizacija programa izgradnje prenosne mreže 110 kV SR Srbije, čije je ostvarivanje, po pravilu, pratila kratkotrajna priprema, često neredovna isporuka materijala i opreme, nametnula je potrebu da ovaj Pogon preuzme i izgradnju novih transformatorskih stanica. Ovom zadatku pristupilo se vrlo ozbiljno, i sa izgradnjom novih transformatorskih stanica 110/35 kV rađaju se i prvi uspesi.

Uspešnoj gradnji visokonaponskih postrojenja, svakako je doprinela i činjenica da je na ovim poslovima, koje su obavljali mladi stručnjaci Pogona Izgradnje, bilo koncentrisano usaglašavanje iskustva, a delom i stručna radna snaga sa proizvodnim sredstvima cele RO „**ELEKTROISTOK**“-a.

Početkom 1969. godine Pogon Izgradnje preuzima elektromontažne radove na izgradnji transformatorske stanice 400/200 kV Beograd 8, instalisane snage 2 x 400 MVA. Puštanjem u pogon ove prve transformatorske stanice najvišeg napona u tadašnjoj SFRJ stečena su dragocena iskustva.

1969.

HISTORY

Our company was established far back in 1961, under the name of Operation Unit for Design Engineering and Construction within what was then called the Company for Transmission of Electric Power „ELEKTROISTOK“, which was then an integral part of the Joint Serbian Power Company (Združena Elektroprivreda Srbije). Operation Unit within Elektroistok dealt with reconstruction and expansion of the existing substations of the power transmission network of the Republic of Serbia, under the limited conditions. The field of activities of the subject department mostly consisted of designing, constructing and assembling of steel structures of substations and electrical assembly works within the reconstruction of the existing and construction of new substations within the power transmission grid of the Republic of Serbia. Together with the teams for maintenance and overhauling established within Elektroistok, the Engineering and Construction Working Unit also participated in performing larger overhauls and emergency.

The realization of the program of construction of the 110 kV transmission grid of the Republic of Serbia, which was typically marked by short preparation period and frequent irregular supply of materials and equipment, imposed the need for this Operation Unit to take on itself the construction of new substations. This task was undertaken with extreme seriousness, and with the construction of new 110/35 kV substations, new successes started to emerge.

The successful construction of high voltage switchyards was also contributed to by the fact that these works, performed mostly by young experts working in the Engineering and Construction Working Unit, were supported by experience, at all levels of Elektroistok power company.

By the beginning of 1969, the Operation Unit for Engineering and Construction took over the works within the construction of 400/200 kV substation Belgrade 8, with installed power of 2x400 MVA. Putting this first transformer station of highest voltage in the former Socialist Federal Republic of Yugoslavia into operation provided valuable experiences.

1961

1969

1973.

Krajem 1973. Pogon Izgradnje se konstituisao kao OOUR, i tom prilikom se iz njegovog sastava izdvojio Projektni biro kao posebno organizovana celina.

Svesni da se ispravna izgradnja elektroenergetskih objekata može realizovati samo kvalitetnim izvođenjem radova, strogim pridržavanjem normi i korišćenjem iskustva, operativa izgradnje u najužoj saradnji sa više projektnih organizacija deli stečeno iskustvo na montaži i radi na tipizaciji projekata i opreme .

OOUR Izgradnje je, za objekte koje je preuzimao, po pravilu radio i izvođačku i radioničku dokumentaciju, što je dozvoljavalo da se često izvodi paralelno i usaglašeno, projektovanje, gradnja, montaža opreme i njeno praktično proveravanje.

Od 1972. godine do 1978. godine OOUR Izgradnja je završila i pustila u pogon 26 novih transformatorskih stanica u visokonaponskoj mreži „ELEKTROISTOK“-a, među kojima su najznačajnije:

TS 400/220/110 kV Niš 2
TS 400/220/110 kV Novi Sad 3
TS 400/110 kV Kragujevac 2
TS 400/220 kV Kosovo „B“

Sa preko 50 godina iskustva na poslovima izgradnje, rekonstrukcije, remonta i održavanja elektroenergetskih objekata visokog napona do 400 kV, postali smo prepoznatljivo ime na elektroenergetskom tržištu čitavog regiona sa značajnim referencama.

U okviru procesa transformacije Elektroprivrede Srbije, odlukom UO JP „Elektroistok“ i Vlade Republike Srbije, od 30. juna 2005. godine nastavljamo da radimo kao samostalno preduzeće pod sadašnjim imenom Privredno Društvo „Elektroistok Izgradnja“, d.o.o. Beograd.

Sa svojih 170 zaposlenih raspoređenih u dva organizaciona dela smeštena u Beogradu i Nišu, predstavljamo nezaobilaznu polugu razvoja prenosne mreže kod nas.

2005.

danas

1973

By the end of 1973, the Operation Unit for Engineering and Construction was constituted as OOUR (basic cumulative working organization), at which time the Design Bureau was taken out as a separate organizational unit.

Aware of the fact that proper construction of power plants and facilities can only be done with high quality of works applied, with strict obeying of norms and utilization of past experiences, the operational part of the Operation Unit for Engineering and Construction working in tight cooperation with a number of design organizations started exchanging experiences in the assembling part of the works and working on the standardization of designs and equipment.

For construction sites undertaken, the Engineering OOUR typically produced working and workshop documentation, which allowed for frequent parallel and coherent designing, construction, equipment assembling and its practical testing.

Between 1972 and 1978 the Engineering OOUR completed and put into operation 26 new transformer substations in the Elektroistok high voltage grid, the most prominent ones being:

SS 400/220/110 kV Niš 2
SS 400/220/110 kV Novi Sad 3
SS 400/110 kV Kragujevac 2
SS 400/220 kV Kosovo „B“

With over 50 years of experience working in the construction, reconstruction, overhaul and maintenance of up to 400 kV high voltage power plants and facilities, we have become a recognizable name in the electrical power market of the entire region with strong references.

Within the process of transformation of the Serbian Power Companies, and through the resolution passed by the Management Board of Elektroistok Public Company and the Government of the Republic of Serbia, as of June 2005 we have continued to operate as an independent company under the current name Privredno Društvo „ELEKTROISTOK – Izgradnja“, d.o.o. Beograd.

With our 170 employees divided into two organizational parts located in Belgrade and Niš respectively, we represent an important link in the chain of development of the power transport network in our country.

2005

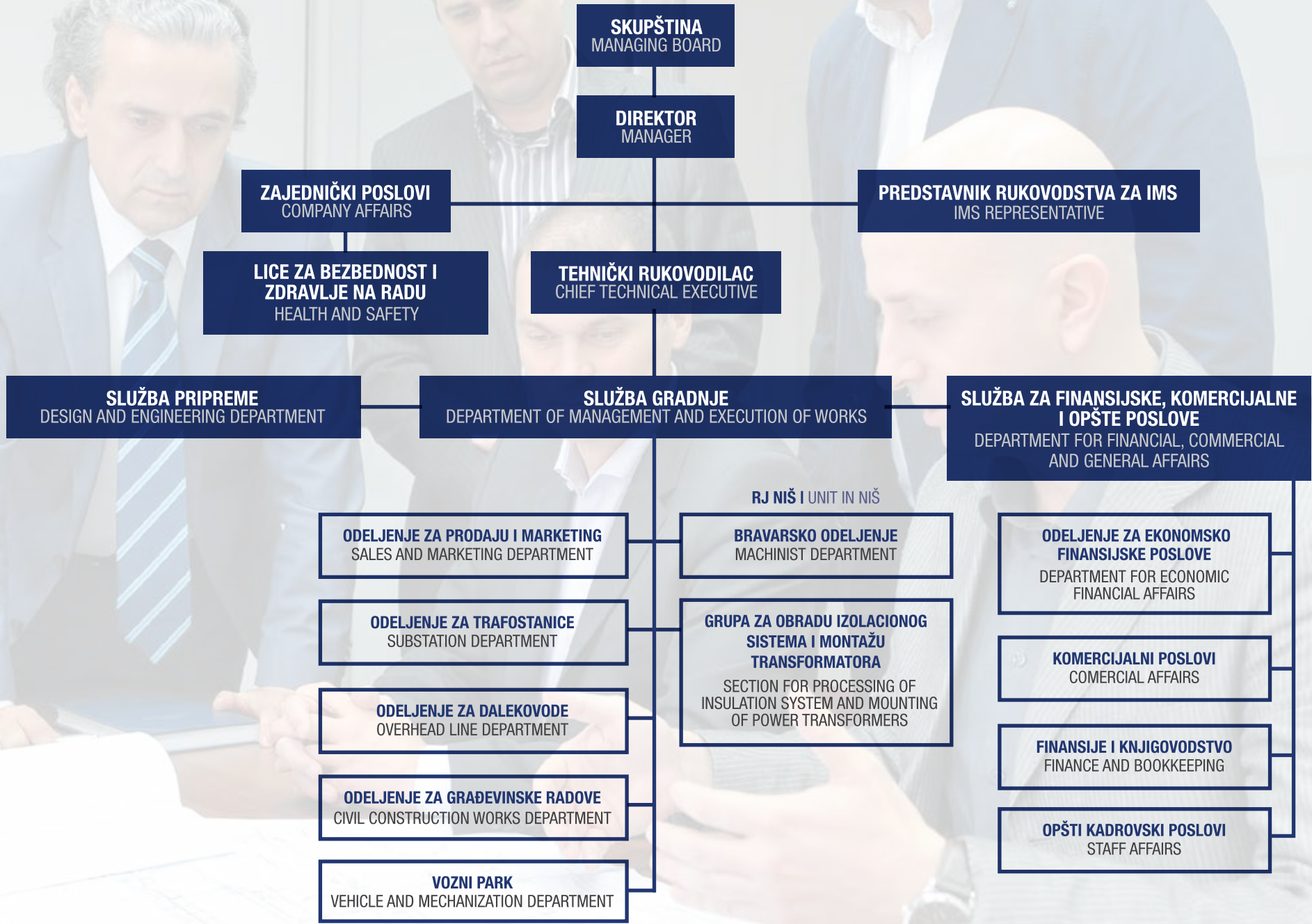
now



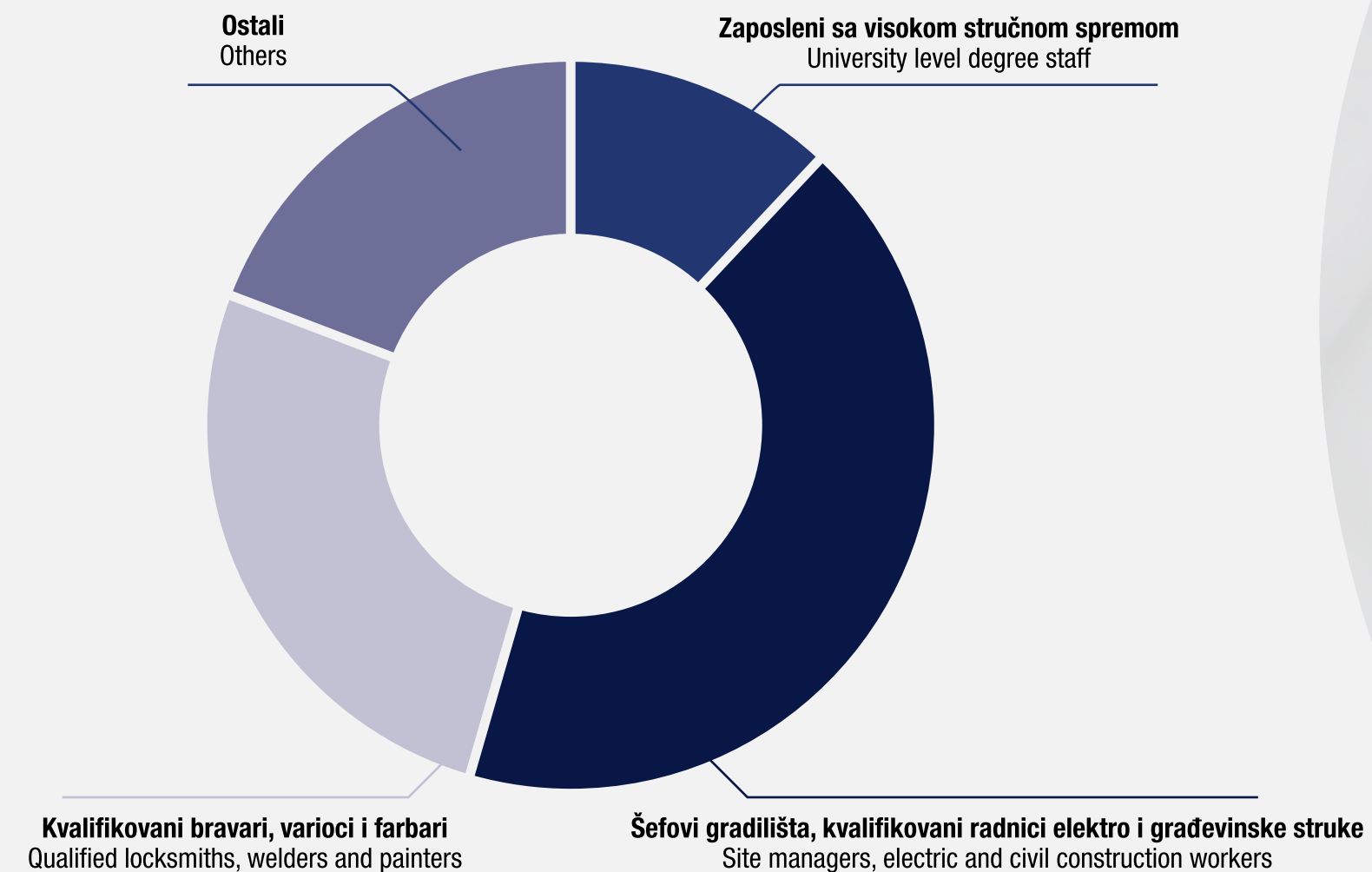
ORGANIZACIONA I KADROVSKA STRUKTURA
ORGANIZATIONAL STRUCTURE **03**

ORGANIZACIONA STRUKTURA

ORGANIZATIONAL STRUCTURE



KADROVSKA STRUKTURA STAFF STRUCTURE



KADROVSKA STRUKTURA

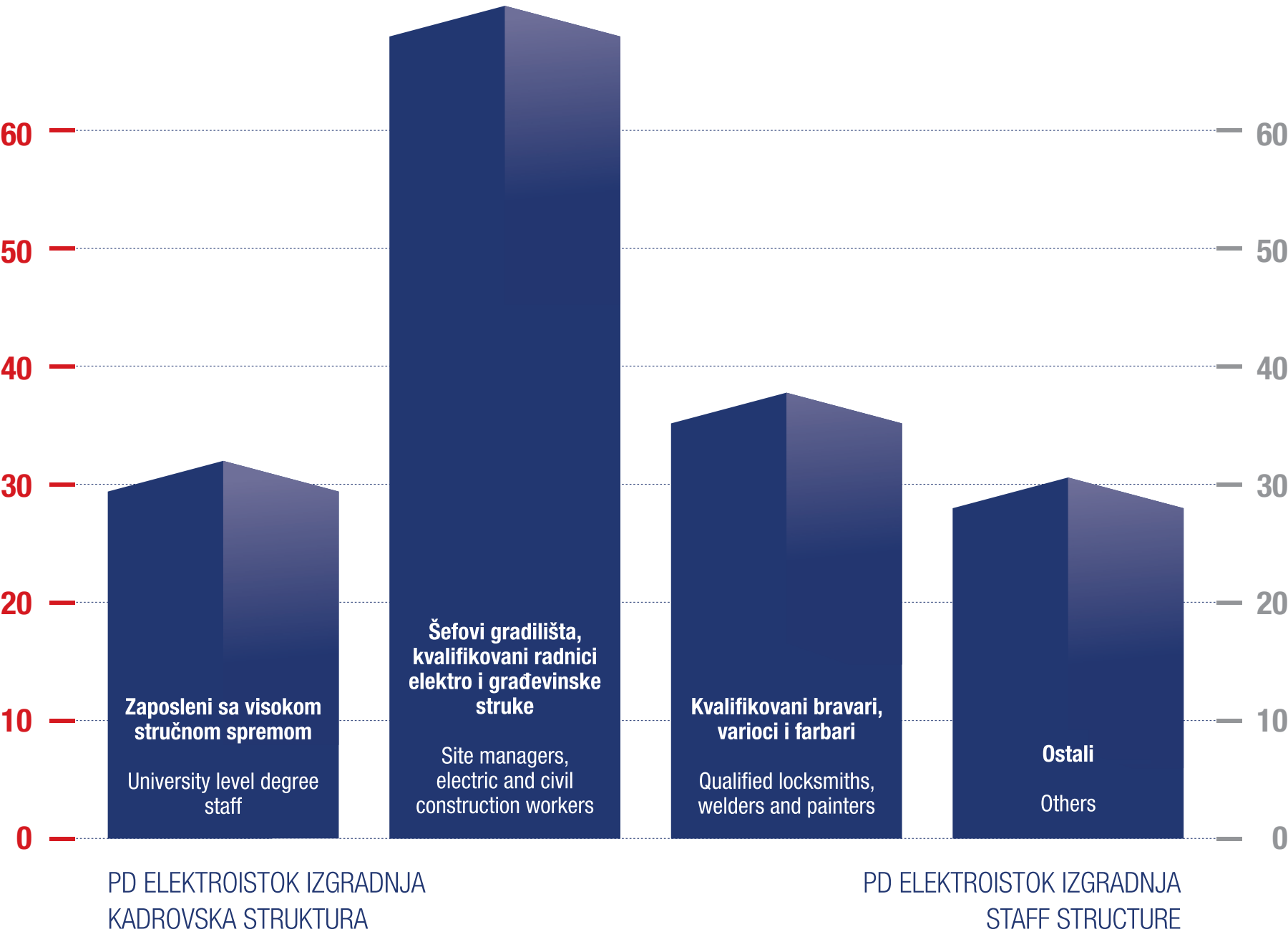
Ukupan broj zaposlenih u PD „Elektroistok Izgradnja” d.o.o., na dan 01.01.2014. godine je 170.

Svi zaposleni su prošli zakonom i internim propisima predviđene obuke i preglede kao uslov za obavljanje svojih poslova. Zaposleni poseduju lekarska uverenja o zdravstvenoj sposobnosti za izvršavanje svojih radnih obaveza, uključujući i sposobnost za rad na visini za one kojima je to uslov.

KADROVSKA STRUKTURA	BR. ZAPOSLENIH
Zaposleni sa visokom stručnom spremom	31
Šefovi gradilišta, kvalifikovani radnici elektro i građevinske struke	71
Kvalifikovani bravari, varioci i farbari	38
Ostali	30
UKUPAN BROJ ZAPOSLENIH:	170

Od navedenog broja radnika sa visokom stručnom spremom, licence ima sledeći broj radnika:

1. Odgovorni izvođač radova elektroenergetskih instalacija visokog i srednjeg napona - razvodna postrojenja i prenos električne energije (451)	12
2. Odgovorni projektant elektroenergetskih instalacija visokog i srednjeg napona - razvodna postrojenja i prenos električne energije (351)	11
3. Odgovorni izvođač radova građevinskih konstrukcija i građevinsko - zanatskih radova na objektima visokogradnje, niskogradnje i hidrogradnje (410)	1
4. Odgovorni izvođač radova građevinskih konstrukcija i građevinsko-zanatskih radova na objektima hidrogradnje (413)	1
5. Odgovorni izvođač radova elektroenergetskih instalacija niskog i srednjeg napona (450)	5
6. Odgovorni projektant elektroenergetskih instalacija niskog i srednjeg napona (350)	7



STAFF STRUCTURE

Total number of employees working in PD „Elektroistok Izgradnja” d.o.o., dated January 1, 2014 was 170.

All the employees have gone through trainings and checkups required by relevant laws and internal regulations as the preconditions for proper performance of their duties. Employees receive relevant medical certificates on being of sound health for performance of their work commitments, including the capability of working on high altitudes, for the staff whose work positions require such certificates.

STAFF STRUCTURE	No. OF EMPLOYEES
University level degree staff	31
Site managers, electric and civil construction workers	71
Qualified locksmiths, welders and painters	38
Others	30
TOTAL No. OF EMPLOYES	170

Out of the total number of university level degrees staff, following number of licences are owned:

1. Responsible Contractor of power installations of high and medium voltage – switchyards and power transmission (451)	12
2. Responsible Design Engineer of power installations of high and medium voltage – switchyards and power transmission (351)	11
3. Responsible Contractor of civil construction and civil-artisan works on facilities of high construction, low construction and hydro construction (410)	1
4. Responsible Contractor of civil construction and civil-artisan works on facilities of hydro construction (413)	1
5. Responsible Contractor of power installations of low and medium voltage(450)	5
6. Responsible Design Engineer of power installations of low and medium voltage (350)	7



LICENCE
LICENSES 04



LICENCE

Ispunjavajući stroge uslove u pogledu osposobljenosti i stručnosti raspoloživih kadrova, kao i do sada ostvarenih projekata, odnosno referenci koje smo stekli, posedujemo sledeće licence:

ZA PROJEKTOVANJE:

- P051E1 – projekata elektroenergetskih instalacija visokog i srednjeg napona za hidroelektrane snage 10 i više MW
- P052E1 - projekata elektroenergetskih instalacija visokog i srednjeg napona za termoelektrane snage 10 i više MW
- P061E1 - projekata elektroenergetskih instalacija visokog i srednjeg napona za dalekovode napona 110 i više kV
- P062E1 - projekata elektroenergetskih instalacija visokog i srednjeg napona za trafostanice napona 110 i više kV
- P190E1 - projekata elektroenergetskih instalacija visokog i srednjeg napona za objekte za proizvodnju energije iz obnovljivih izvora energije snage 10 i više MW

ZA GRAĐENJE OBJEKATA:

- I051E1 – elektroenergetskih instalacija visokog i srednjeg napona za hidroelektrane snage 10 i više MW,
- I052E1 - elektroenergetskih instalacija visokog i srednjeg napona za termoelektrane snage 10 i više MW,
- I061E1 - elektroenergetskih instalacija visokog i srednjeg napona za dalekovode napona 110 i više kV
- I062E1 - elektroenergetskih instalacija visokog i srednjeg napona za trafostanice napona 110 i više kV
- I190E1 - elektroenergetskih instalacija visokog i srednjeg napona za objekte za proizvodnju energije iz obnovljivih izvora energije snage 10 i više MW

LICENCE INŽENJERSKE KOMORE CRNE GORE:

- Licenca za građenje objekata BROJ 351-02-01282/2010-07 - za izvođenje radova na elektro-instalacijama jake struje
- Licenca za izradu tehničke dokumentacije BROJ 351-02-01282/2010-07 - za izradu projekata elektro-instalacija jake struje

LICENSES

Fulfilling the strict requirements with regards to the equipment and technical expertise of its staff as well as respective of the past completed projects, i.e. references acquired, our company is proud to claim the ownership of the below listed licenses:

DESIGN LICENSES:

- P051E1 – Design of High and Medium Voltage Electric Power Installations for Hydroelectric Power Stations (power 10 MW and above)
- P052E1 - Design of High and Medium Voltage Electric Power Installations for Thermal Power Stations (power 10 MW and above)
- P061E1 -Design of High and Medium Voltage Electric Power Installations for overhead transmission lines (voltage 110 kV and above)
- P062E1 -Electric power Installations for Substations (voltage 110 kV and above)
- P190E1 -Design of High and Medium Voltage Electric Power Installations for production of energy from renewable sources (power 10 MW and above)

ENGINEERING LICENCES:

- I051E1 – High and Medium Voltage Electric Power Installations for Hydroelectric Power Stations (power 10 MVA and above)
- I052E1 - High and Medium Voltage Electric Power Installations for Thermal Power Stations (power 10 MVA and above)
- I061E1 - High and Medium Voltage Electric Power Installations for overhead transmission lines (voltage 110 kV and above)
- I062E1 - Electric power Installations for Substations (voltage 110 kV and above)
- I190E1 - High and Medium Voltage Electric Power Installations for production of energy from renewable sources (power 10 MW and above)

LICENSES OF ENGINEERING CHAMBER OF MONTENEGRO:

- Licenses for construction of facilities NO. 351 – 02 – 01282/2010 – 07 – – for executing of works on power installation of strong current
- Licenses for designing of technical documentation NO. 351 – 02 – 01282/2010 – 07 – - for designing of power installation of strong current



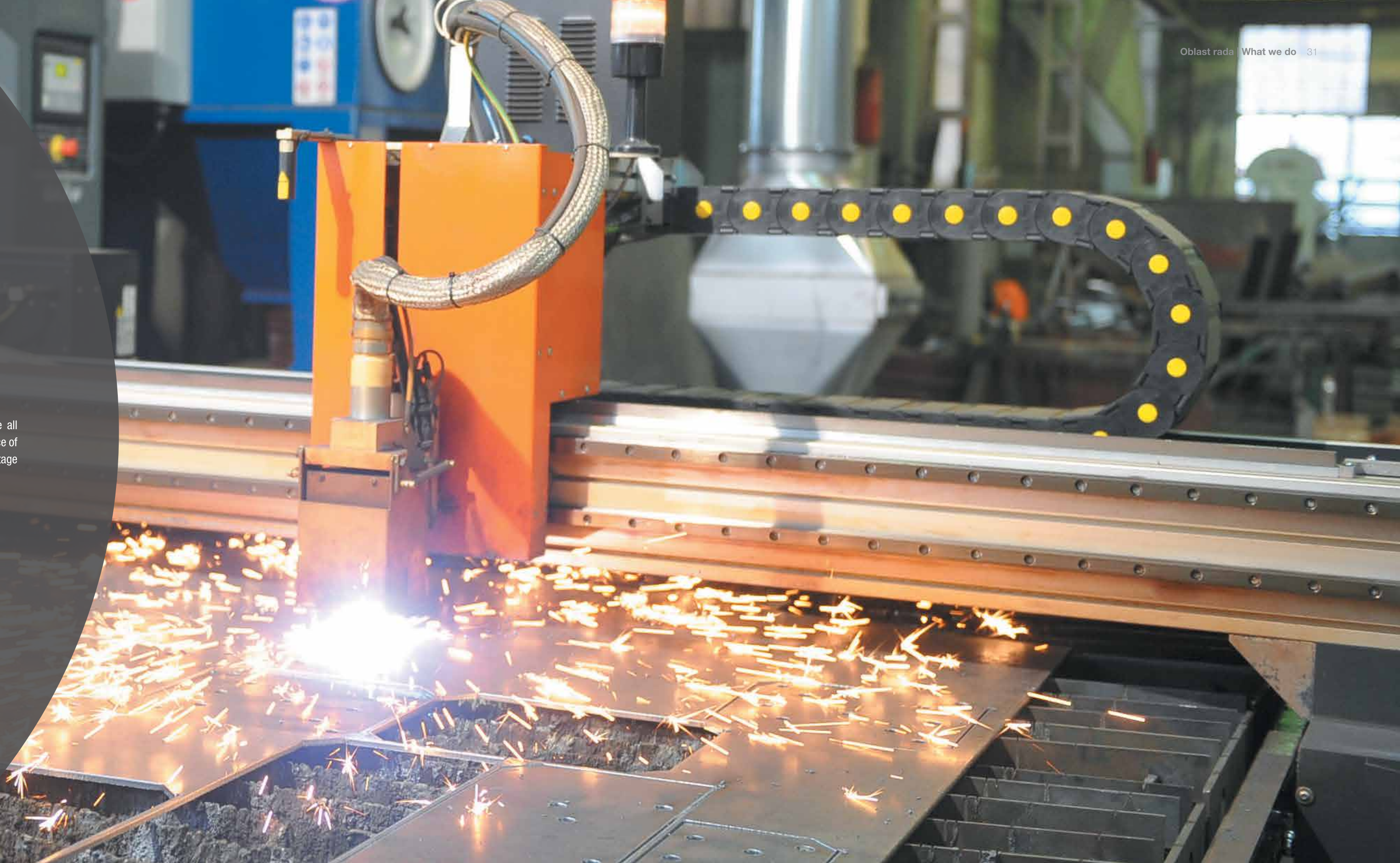
OBLAST RADA 05
WHAT WE DO

OBLAST RADA

Usluge koje pruža PD „Elektroistok Izgradnja” d.o.o. obuhvataju sve vrste elektromontažnih i građevinskih radova na izgradnji i održavanju elektroenergetskih objekata, razvodnih postrojenja i dalekovoda naponskih nivoa do 400 kV.

WHAT WE DO

Services provided by PD „Elektroistok Izgradnja” d.o.o. include all types of electrical and civil works on construction and maintenance of electric power plants, switchyards and overhead lines up to voltage levels of 400 kV.



INŽENJERING I KOORDINACIJA
PROJEKATA

- Planiranje i vođenje složenih projekata izgradnje novih i rekonstrukcije postojećih elektroenergetskih objekata (AIS i GIS elektroenergetskih postrojenja, dalekovoda i kablova srednjeg i visokog napona)
- Koordinacija (saradnja) sa proizvođačima opreme
- Prisustvovanje ispitivanjima VN i ostale opreme
- Stručna/tehnička podrška Investitoru pri nabavci opreme, materijala i usluga

PROJECT ENGINEERING AND COORDINATION

- Preparation, planning, execution and management of high-level know-how project of construction, reconstruction and maintenance of power facilities (AIS and GIS power facilities, overhead lines and cables of medium and high voltage)
- Coordination (cooperation) with the equipment manufacturers
- FAT and SAT inspection for high voltage equipment
- Professional/technical assistance to the Investor/Employer in the procurement of material and equipment

PROJEKTOVANJE

- Izrada glavnih projekata trafostanica, razvodnih postrojenja i dalekovoda
- Izrada izvodačkih projekata trafostanica, razvodnih postrojenja i dalekovoda
- Izrada projekata kontrolnih, relejnih ormana, AC i DC razvoda
- Izrada projekata izvedenog objekta trafostanica, razvodnih postrojenja i dalekovoda
- Tehnička kontrola glavnih i izvodačkih projekata trafostanica, razvodnih postrojenja i dalekovoda

DESIGNING

- Main design of substations, switchyards and overhead lines
- Design for construction of substations, switchyards and overhead lines
- Design for relay control panels, AC and DC switchgears
- As Built design of substations, switchyards and overhead lines
- Technical control of the designs of substations, switchyards and overhead lines

Projektant:	Bojan Spremić, dipl. el. ing.	Datum:	april 2011.
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Привредно Друштво
**ЕЛЕКТРОИСТОК
ИЗГРАДЊА**
БЕОГРАД, Хусинских



TRAFOSTANICE I RAZVODNA POSTROJENJA IZGRADNJA I STRUČNI NADZOR

Aktivnosti na izgradnji novih trafostanica i postrojenja, remontu, modifikaciji, rekonstrukciji i proširenju postojećih, naponskih nivoa do 400 kV:

- građevinski radovi
- montaža noseće čelične konstrukcije
- montaža VN opreme
- izrada i montaža kablovskih regala i kanala
- izrada svih vrsta upravljačkih/relejnih ormana i panela, AC i DC razvoda i podrazvoda, kako za unutrašnju tako i za spoljnu montažu
- polaganje i povezivanje napojnih, kontrolnih, signalnih i optičkih kablova
- montaža i povezivanje upravljačko-zaštitnih i TK jedinica, AC i DC razvoda, baterija, invertora i ispravljača
- ispitivanje VN i ostale opreme sa izradom ispitnih protokola
- funkcionalno ispitivanje i puštanje u probni rad

SUBSTATIONS AND SWITCHYARDS CONSTRUCTION AND TECHNICAL SUPERVISION

Construction of new substations and power plants, overhauling, rehabilitation restoration and expansion of existing substations and power plants for voltages up to 400 kV:

- civil works
- assembling of the supporting steel structure
- mounting of high voltage equipment
- manufacturing and mounting of cable cabinets and trays
- manufacturing of all types of control/relay cabinets, control/relay panels, AC&DC switchgears, both for the indoor and outdoor mounting
- laying and connecting the supply, control and signal optic cables
- assembling and connecting the control-protective units, AC&DC switchgears, batteries, invertors and adapters
- testing of high voltage equipment with the development of testing protocols when doing the takeover of AIS and GIS electric power plants and substations,
- commissioning and testing

DALEKOVODI IZGRADNJA I STRUČNI NADZOR

Aktivnosti na izgradnji, rekonstrukciji i sanaciji havarija dalekovoda naponskih nivoa do 400 kV:

- građevinski radovi na izradi temelja stubova
- montaža čelične konstrukcije
- elektromontažni radovi na nadzemnim vodovima i energetskim kablovima
- montaža OPGW-a sa ispitivanjem i izradom ispitnih protokola

OVERHEAD LINES CONSTRUCTION AND TECHNICAL SUPERVISION

Construction of new overhead lines, overhauling, rehabilitation, repair of overhead lines for voltages up to 400 kV:

- civil works on tower foundations
- assembling of steel structure
- installation works on overhead lines and underground cables
- installation of OPGW, with testing and development of testing protocols



PROIZVODNJA

- Izrada čelične konstrukcije raznih namena za sve vrste elektroenergetskih objekata

U okviru RJ Niš, već više od pola veka, vrši se proizvodnja različitih vrsta čeličnih konstrukcija za potrebe trafostanica i razvodnih postrojenja, a u novije vreme, uspešno vršimo izradu i čelične konstrukcije za dalekovodne stubove svih naponskih nivoa.

Za obradu čeličnih profila koristimo najsavremeniju opremu i mašine. Rezanje i obeležavanje čeličnih limova do 25mm debljine vršimo na CNC mašini SOITAAB Plasma Expert HD, a za obradu L profila do L160x160x16, za potrebe izrade rešetkaste čelične konstrukcije (dalekovodnih ili drugih stubova), koristimo CNC mašinu FICEP A166 kojima upravlja obučeno osoblje.

Pored CNC mašina imamo i manuelne mašine za probijanje, bušenje, sečenje i savijanje profila. Zavarivanje čeličnih profila vrše atestirani zavarivači MIG/MAG i REL postupkom.

MANUFACTURING

- Manufacturing of steel structures for various purposes in electric power plants and substations

In the facilities of our Unit in Niš, for half of century now, we are manufacturing different types of steel constructions for the needs of construction of substations and switchyards, and as of lately we are successfully manufacturing steel construction for overhead lines of all voltage levels.

We are using the most modern equipment and machines for processing of steel constructions. We are cutting and marking steel sheets up to 25 mm thick on CNC machine SOITAAB Plasma Expert HD, and for processing L profiles up to L160x160x16, for the needs of manufacturing steel construction (of overhead line towers and other types of towers) we are using CNC machine FICEP A166 which are handled by highly trained staff.

Aside CNC machines we also have manual machines for puncturing, drilling, cutting and bending the profiles. We also employ attested welders for the works of welding steel construction with MIG/ MAG i REL procedure.



REMONT I MONTAŽA ELEKTROENERGETSKIH TRANSFORMATORA

- Montaža i demontaža transformatora svih naponskih nivoa i snaga
- Sušenje, hemijska regeneracija i inhibiranje izolacionih sistema
- Intervencije pri havarijskim uslovima na elektroenergetskim transformatorima

Koristimo dva postrojenja za obradu izolacionog sistema transformatora koja su predviđena za transformatore od 20 - 90 tona izolacionog transformatorskog ulja.

1. VH120s Micafil – Švajcarska sa dodatkom za hemijsku regeneraciju izolacionog transformatorskog ulja
2. VOP160RS Micafluid – Švajcarska

OVERHAULING AND ASSEMBLING OF ELECTRIC POWER TRANSFORMERS

- Mounting and dismounting of power transformers of all voltage and power levels
- Drying, chemical regeneration and inhibition of insulation systems
- Interventions on break-down conditions on power transformers

We are using two insulation system processing plants for power transformers from 20 to 90 tons of transformer insulation oil.

1. VH120s Micafil – Switzerland
2. VOP160RS Micafluid – Switzerland





REFERENCE

Dugogodišnjim radom stečene su veoma respektabilne reference.

- Učestvovali smo u:
- Izgradnji preko 90 transformatorskih stanica i razvodnih postrojenja
 - o TS 400/x kV
 - o TS 220/x kV
 - o TS 110/x kV
 - Rekonstrukciji i/ili proširenju preko 80 postrojenja, naponskih nivoa 110, 220 i 400 kV
 - Pripremi za prelazak na daljinsko upravljanje (DU) 65 TS 110/x kV
 - Pripremi za prelazak na daljinsko upravljanje (TSU) 18 TS 400(220)/x kV
 - Montaži 5 Regionalnih Dispečerskih Centara i više matičnih stanica
 - Izgradnji i rekonstrukciji dalekovoda 110 do 400 kV

REFERENC LISTA za period 2005.-2014. godine, koja oslikava raznovrsnost i složenost naših poslova, kao i vrste objekata na kojima smo radili:

Objekat	Opis posla
TS 400/220/110 kV Leskovac 2	Rekonstrukcija trafostanice
TS 400/220/110 kV Pančevo 2	Potpuna rekonstrukcija 10 DV 110 kV polja
TS 110/35 kV Vranje 2	Izgradnja nove trafostanice
TS 110/35 kV Mosna	Izgradnja nove trafostanice
DV 2x110 kV br. 154/1 Niš 1 – Niš 2, uvođenje u TS Niš 8	Izgradnja novog duplog dalekovoda
TS 400/110 kV Subotica 3	Montaža transformatora 400/110 kV, 300 MVA
TS 110/6 kV LAFARGE Beočin	Revizija i remont transformatora snage 31.5 MVA
TS 400/220/110 kV Sremska Mitrovica 2 (Sirmium Steel)	Izgradnja 110 kV polja
TS 220/110/35 kV Beograd 5	Rekonstrukcija trafostanice
TS 400/220 kV Beograd 8	Rekonstrukcija trafostanice
TS 400/220/110 kV Novi Sad 3	Rekonstrukcija trafostanice
TS 400/220/110 kV Niš 2	Rekonstrukcija trafostanice
TS 220/35 kV Bajina Bašta	Rekonstrukcija trafostanice
DV 110 kV br. 168 EVP Ristovac – Vranje 1, ulaz u TS Vranje 2	Izgradnja novog dalekovoda
DV 110 kV br. 113/1 Niš 1 – Niš 2	Sanacija dalekovoda
DV 110 kV br. 1219 Vrla III – Vranje 1, ulaz u TS Vladičin Han	Izgradnja novog dalekovoda
TS 220/110 kV Beograd 3	Rekonstrukcija trafostanice
TS 400/220 kV Obrenovac	Rekonstrukcija trafostanice
TS 110/35 kV Valač	Zamena opreme 110 kV u poljima C1, C5, C6 i izrada tehničke dokumentacije
TS 220/110 kV Kraljevo 3	Zamena mikroprocesorske zaštite voda 220 kV
TS 110/35 kV Pirot 1	Radovi u 35 kV postrojenju
TS 110/35 kV Trstenik	Sanacija curenja ulja
TS 220/110 kV Beograd 3	Dijagnostičko ispitivanje transformatora
TS 220/110 kV Zrenjanin 2	Konzervacija transformatora
HE Zvornik	Sušenje čvrste izolacije blok transformatora
DV 110 kV Beograd 19 – Beograd 20, uvođenje u 400/110 kV TS Beograd 20	Rekonstrukcija dalekovoda
DV 110 kV br. 104/5 Stara Pazova – Indija, uvođenje u TS Indija	Rekonstrukcija dalekovoda
DV 2x110 kV br. 106AB Valjevo - Zvornik	Rekonstrukcija dalekovoda
DV 110 kV br. 131/2 Beograd 33 – Pančevo 1	Zamena zaštitnog užeta
DV 220 kV br. 205/2 Kruševac 1 - Podujevo	Sanacija havarije stuba 107
DV 110 kV br. 1186 Đerdap – Sip 2	Popravka betonskih temelja portalnih stubova
RP 400 kV Đerdap	Zamena VN opreme
TS 220/35 kV Bajina Bašta	Zamena transformatora T1 novim transformatorom
TS 400/110 kV Beograd 20	Izgradnja trafostanice
DV 220 kV br. 253/2 TS HIP 2 – TS Pančevo 2	Izgradnja dalekovoda DV 220 kV br. 253/2 TS HIP 2 – TS Pančevo 2, uvođenje u TS 220/6/6 kV NIS (GASPROM)
TS Rudnik 1 i TS Rudnik 2	Usluge godišnjeg remonta
TS 400/110 kV Vranje 4	Elektromontažni radovi na izgradnji trafostanice
DV 2x2x110 kV Kragujevac 1 – Kragujevac 8	Izgradnja i rekonstrukcija dalekovoda oko FAS (Fiat Automobili Srbija)

REFERENCES

Years of professional work and experience provided us respectable references.

- We took part in:
- Construction of over 90 substations and plants:
 - o SS 400/x kV
 - o SS 220/x kV
 - o SS 110/x kV
 - Reconstruction and expansion of over 80 substations of the following voltages: 110, 220 and 400 kV
 - Implementation of SCADA systems on 65 SS 110/x kV
 - Implementation of SCADA systems on 18 TS 400(220)/x kV
 - Assembling of 5 regional dispatching centers and one national dispatching center
 - Construction and renovation of overhead lines 110-400 kV

Reference List for the Period 2005 – 2014, that reflects the diversity and complexity of our projects, as well as types of facilities on which we executed works and services:

Facility	Description of work
SS 400/220/110 kV Leskovac 2	Substation overhaul
SS 400/220/110 kV Pančevo 2	Complete overhaul of ten OHL bays
SS 110/35 kV Vranje 2	Construction of new substation
SS 110/35 kV Mosna	Construction of new substation
OHL 2x110 kV br. 154/1 Niš 1 – Niš 2, lead in SS Niš 8	Construction of new double OHL
SS 400/110 kV Subotica 3	Mounting of transformer 400/110 kV, 300 MVA
SS 110/6 kV LAFARGE Beočin	Revision and overhaul of transformer 31.5 MVA
SS 400/220/110 kV Sremska Mitrovica 2 (Sirmium Steel)	Construction of 110 kV OHL bays
SS 220/110/35 kV Beograd 5	Substation overhaul
SS 400/220 kV Beograd 8	Substation overhaul
SS 400/220/110 kV Novi Sad 3	Substation overhaul
SS 400/220/110 kV Niš 2	Substation overhaul
SS 220/35 kV Bajina Bašta	Substation overhaul
OHL 110 kV No. 168 EVP Ristovac – Vranje 1, lead in SS Vranje 2	Construction of new overhead line
OHL 110 kV No. 113/1 Niš 1 – Niš 2	Repair of overhead line
OHL 110 kV No. 1219 Vrla III – Vranje 1, lead in SS Vladičin Han	Construction of new overhead line
SS 220/110 kV Beograd 3	Substation overhaul
SS 400/220 kV Obrenovac	Substation overhaul
SS 110/35 kV Valač	Replacement of equipment 110 kV in bays C1, C5, C6 and designing of technical documentation
SS 220/110 kV Kraljevo 3	Replacement of microprocessor protection of 220 kV line
SS 110/35 kV Pirot 1	Works in 35 kV switchyard
SS 110/35 kV Trstenik	Repair of oil leakage
SS 220/110 kV Beograd 3	Diagnostic testing of transformer
SS 220/110 kV Zrenjanin 2	Transformer conservation
HP Zvornik	Drying of hard insulation of block transformer
OHL 110 kV Beograd 19 – Beograd 20, lead in 400/110 kV SS Beograd 20	Overhaul of overhead line
OHL 110 kV No. 104/5 Stara Pazova – Indija, lead in SS Indija	Overhaul of overhead line
OHL 2x110 kV No. 106AB Valjevo - Zvornik	Overhaul of overhead line
OHL 110 kV No. 131/2 Beograd 33 – Pančevo 1	Replacement of ground wire
OHL 220 kV No. 205/2 Kruševac 1 - Podujevo	Damage repair of tower No. 107
OHL 110 kV No. 1186 Đerdap – Sip 2	Repair of concrete foundations of portal towers
SY 400 kV Đerdap	Replacement of high voltage equipment
SS 220/35 kV Bajina Bašta	Replacement of transformer T1 with new transformer
SS 400/110 kV Beograd 20	Construction of substation
OHL 220 kV br. 253/2 SS HIP 2 – SS Pančevo 2	Construction of overhead line OHL 220 kV No. 253/2 SS HIP 2 – SS Pančevo 2, lead in SS 220/6/6 kV NIS (GASPROM)
SS Rudnik 1 and SS Rudnik 2	Services of annual overhaul
SS 400/110 kV Vranje 4	Electric works on construction of substation
OHL 2x2x110 kV Kragujevac 1 – Kragujevac 8	Construction and overhaul of overhead lines around FAS (Fiat Automobiles Serbia)





INTEGRISANI SISTEM MENADŽMENTA

Usklađivanjem svog poslovanja sa zahtevima međunarodnih standarda SRPS ISO 9001, SRPS ISO 14001 i SRPS OHSAS 18001, u PD „Elektroistok Izgradnja” d.o.o je uspešno sertifikovan i uveden u primenu Integrirani sistem menadžmenta (IMS). Ovim je omogućeno dobijanje kako domaćih tako i međunarodno priznatih IQNet sertifikata za navedene sisteme.

Integrirani sistem menadžmenta (IMS) u jedinstven sistem integriše zahteve sledećih standarda:

INTEGRATED MANAGEMENT SYSTEM

The company PD „Elektroistok Izgradnja” d.o.o. preforms all of its business activities according to the requirements of international standards ISO 9001, ISO 14001 and OHSAS 18001, thus establishing an Integrated management system (IMS). In this manner PD „Elektroistok Izgradnja” d.o.o. obtained both national and internationally recognized IQNet certificates for above mentioned systems.

Integrated Management System (IMS) integrates the requirements of the following standards into a single system:





SRPS ISO 9001 SISTEM MENADŽMENTA KVALITETOM

Usklađivanjem poslovanja sa zahtevima ovog standarda, PD „Elektroistok Izgradnja” d.o.o. svojim korisnicima ukazuje na sposobnost:

- a) da dosledno obezbeđuje kvalitetnu uslugu koja ispunjava njihove zahteve ali i zahteve tehničke dokumentacije i odgovarajućih zakona i propisa
- b) da u procesu rada konstantno vodi računa o ispunjenju zahteva korisnika, zaposlenih i ostalih zainteresovanih strana

ISO 9001 QUALITY MANAGEMENT SYSTEMS

Coordinating our business activities with the requirements of this standard, PD „Elektroistok Izgradnja” d.o.o. indicates to clients its ability:

- a) to consistently provide service that meets customer's requirements all in accordance with latest technical and regulatory standards and requirements
- b) to enhance satisfaction of the customers as well as employees and other interested parties, during the working process



SRPS ISO 14001 SISTEM UPRAVLJANJA ZAŠTITOM ŽIVOTNE SREDINE

Primenom zahteva ovog standarda, PD „Elektroistok Izgradnja” d.o.o. ističe svoju usmerenost ka zaštiti životne sredine kao i prevenciji zagađivanja.

Osnovni cilj je konstantno praćenje i kontrola uticaja svojih aktivnosti, proizvoda i usluga na životnu sredinu, u skladu sa definisanom politikom, ciljevima i programima zaštite životne sredine.



SRPS OHSAS 18001 SISTEM UPRAVLJANJA ZAŠTITOM ZDRAVLJA I BEZBEDNOŠĆU NA RADU

Implementacijom navedenog standarda, upravljanjem OHSAS rizicima i pojačanom kontrolom sprovođenja zakona i propisa, sprečava se porast broja incidenata na radnim mestima i obezbeđuju uslovi za rad u bezbednijim, humanijim i uređenijim uslovima u kojima se upravlja rizikom.

ISO 14001 ENVIRONMENTAL MANAGEMENT SYSTEMS

By applying this standard, PD „Elektroistok Izgradnja” d.o.o. emphasizes its focus towards environmental protection and pollution prevention.

The main objective is continuously monitoring and controlling the influence of its activities, products and services at the environment, all in accordance with its defined politics, objectives and programs of environmental protection.

OHSAS 18001 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS

By implementing the above mentioned standard, managing of OHSAS risks and by better control in implementation of laws and regulations, PD „Elektroistok Izgradnja” d.o.o. prevents the increase of the number of incidents at the site and provides conditions for work in a safer, more humane and more coherent conditions in which the risk is managed.

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