



ELEKTROZAPAD d.o.o.

www.elektrozapad.rs; office@elektrozapad.rs; tel/fax: +381112440980
Bulevar Kralja Aleksandra 221/8 11000 Beograd, Serbia

ELEKTROZAPAD DOO PORTFOLIO

Elektrozapad company was founded in 2015 in Belgrade and deals with specialist works in power sector, both in the field of design, construction supervision, relay protection and remote control system, primary and secondary equipment commissioning, as well as in the domain of execution of works on power facilities.

The employees are experienced engineers with more than 10 years experience in the electric power industry.

The company is divided into four sectors, which at the same time represent the basic directions in which the company performs in the market:

- 1) Sector for consulting, design and construction supervision
- 2) Relay protection and control systems sector
- 3) Sector for MV and HV facilities
- 4) Sector for LV facilities

Although a relatively young company on the market, the projects they have done in the past, as individuals and as a team, rank them among the companies that can carry out the most complex projects in the field of electric power.

The core of the company is a team of experienced engineers, specialists in their fields, who jointly performed large projects of power stations, power plants, transmission lines, both in the country and abroad.

Consulting, design and construction supervision

- Design of complete electrical part of medium voltage substations
- Design of 110 kV, 220 kV and 400 kV bays for reconstructions
- Detail design of the relay protection schemes for reconstructions of 110 kV, 220 kV and 400 kV bays
- Consulting and supervision of the electrical works during construction of high voltage power facilities

Engineering, erection and commissioning of primary and secondary equipment in power facilities up to 400 kV

- Dismantling and erection of medium voltage facilities
- Dismantling and erection of primary equipment in facilities from 110 kV up to 400 kV
- Supervision of the erection of medium voltage and high voltage facilities
- Configuration and parametrization of relay protection for MV and HV facilities
- Design of relay protection settings studies
- Commissioning of relay protection system in MV and HV facilities

Production and assembling of electrical cabinets for power facilities up to 400 kV

- Production of a relay protection and control system cabinets
- Production of LV distribution and auxiliary supply cabinets for MV and HV facilities
- Production of control system and LV distribution cabinets for industrial facilities

Maintenance services of primary and secondary equipment in power facilities up to 400 kV

- Maintenance of power facilities
- Regular annual overhauls of HV equipment on MV and HV facilities
- Regular annual testing of relay protection system on MV and HV facilities

Design, erection and commissioning of LV facilities

- Design, erection and commissioning of complete electrical part of public, business and residential buildings, industry and other facilities
- LV installations, telecommunication, safety, security, maintenance and monitoring systems
- Smart control and monitoring systems on facilities and systems integration



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ORGANIZATIONAL SCHEME

Miloš Savić, director

Miljko Mihajlović, director of operations

Dragan Pavlović, financial director

Sector for consulting,
design and
construction
supervision
Miljko Mihajlović

Relay protection
and control
systems sector
Miloš Radaković

Sector for MV
and HV facilities
Vuk Vidović

Sector for
LV facilities
Igor Janković



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GREAT (COMPANY) LICENCES

Company (great) licences for electrical works include following:

- P062E1 - projects of high and medium voltage power installations of transformer stations with a voltage of 110kV and more
- I051E1 - execution of high and medium voltage power installations for hydropower plants with a capacity of 10MW and more
- I052E1 - execution of high and medium voltage electrical installations for thermal power plants with a capacity of 10MW and more
- I061E1 - execution of power installations of high and medium voltage power lines of voltage 110kV and more
- I062E1 - execution of power installations of high and medium voltage transformer stations with a voltage of 110kV and more
- I141E1 - execution of high and medium voltage power installations for public railway infrastructures with connections
- I190E1 - execution of high and medium voltage electrical installations for facilities for energy production from renewable energy sources with a capacity of 10MW and more



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REFERENCES LIST

I Medium Voltage and High Voltage facilities

- 1) Technical specification of power energy equipment for SY 220 kV and SS 220/33 kV WF Kovačica as part of the preparation of tender documentation for the construction of WF Kovačica
- 2) Design documentation revision, power energy equipment specification and harmonization of design documentation with TSO (EMS) internal standards for SY 220 kV WF Kovačica
- 3) Configuration, parameterization, relay protection settings study and commissioning (FAT, SAT) of relay protection and auxiliary supply systems; commissioning (SAT) of circuit breakers, disconnectors and measuring transformers for SY 220 kV WF Kovačica
- 4) Documentation preparation and performing of Grid compliance tests (compliance with the TSO rules) for WF Kovačica
- 5) Design documentation revision, power energy equipment specification and harmonization of design documentation with TSO (EMS) internal standards for SY 400 kV WF Čibuk (Dolovo)
- 6) Configuration, parameterization, relay protection settings study and commissioning (FAT, SAT) of relay protection and auxiliary supply systems; commissioning (SAT) of circuit breakers, disconnectors and measuring transformers for SY 400 kV WF Čibuk (Dolovo)
- 7) Replacement of 6 kV circuit breakers in SG 6 kV TPP TENT B
- 8) Commissioning of relay protection system on five SS 35/10 kV in EPCG (Montenegrin DSO)
- 9) Setting and commissioning of relay protection in 6 kV facilities in the Oil refinery Pančevo - Switchgears N1, N2, 220, 2201, SS 35, BC, BD
- 10) Design, replacement and commissioning of relay protection in SS 35/10 kV Kanarevo brdo and SS 35/10 kV Novi Beograd 3
- 11) Configuration, parameterization and commissioning of relay protection in SS 110/20 kV Krnješevci
- 12) Configuration, parameterization and commissioning of relay protection in railway power stations: EVP Slovac, EVP Resnik and four PS power stations
- 13) Configuration, parameterization and commissioning of relay protection in SHPPs Vrgudinac, Seljašnica and Turica
- 14) Configuration, parameterization and commissioning of relay protection in 6 kV facility HPP Đerdap 2
- 15) Functional tests on the excavator station BWE6600 on surface mine Kolubara
- 16) Regular annual overhaul in seven SS 110/35/10 kV PD Centar Kragujevac
- 17) Relay protection settings study for Bosch factory facility 20/0.4 kV
- 18) Relay protection settings study for 6 kV facilities of JKP Beogradske Elektrane (Belgrade heating plants)
- 19) Testing of relay protection in 110 kV, 35 kV and 6 kV facilities of JKP Beogradske elektrane during regular annual overhauls
- 20) Configuration, parameterization and commissioning of relay protection and control system in HPP Vrla 1 (2x40MVA)
- 21) Preventive and corrective maintenance of BoP complex - Wind Farm Čibuk 1 (157MW)
- 22) Preventive and corrective maintenance of BoP complex - Wind Farm Kovačica (104MW)
- 23) Configuration, parameterization and commissioning of relay protection and control system in SS 110/6 kV Rudnik 4 and SS 110/35/10 kV Loznica 2
- 24) Configuration, parameterization and commissioning of relay protection in EVP Zemun, PSN Batajnica and PS Stara Pazova (railway substations on Beograd - Novi Sad railway section)

- 25) Configuration, parameterization and commissioning of relay protection and control system in SS 110/10 kV Čukaru Peki and PRP 110kV Bor 4, Bor
- 26) Design documentation for detail design of SHPP Rovni and SHPP Čelije
- 27) Configuration, parameterization and commissioning of relay protection and control system, and Relay protection settings study - SHPP Rekovići (3x2.8MVA)
- 28) Configuration, parameterization and commissioning of relay protection and control system in SS 110/35/20kV Tutin
- 29) Configuration, parameterization and commissioning of relay protection and control system in PRP 220kV TETO Pančevo (GIS 220kV facility)
- 30) Erection of primary and secondary electrical equipment in EVP Inđija, PSN Beška and PS Sremski Karlovci (railway substations on Beograd - Novi Sad railway section)
- 31) Configuration, parameterization and commissioning of relay protection and control system in EVP Inđija, PSN Beška and PS Sremski Karlovci (railway substations on Beograd - Novi Sad railway section)
- 32) Erection and commissioning of telecommunication system in PRP 110kV and SS 110/10kV Veliki Krivelj 2, Bor
- 33) Configuration, parameterization and commissioning of relay protection and control system in PRP 110kV and SS 110/10kV Veliki Krivelj 2, Bor
- 34) Erection of primary and secondary electrical equipment in SS 110/10kV Bor 5 with 110kV cable lines to PRP 110kV Bor 5, Bor
- 35) Installation and commissioning of complete telecommunication system on facilities: PRP 110kV and SS 110/10kV Veliki Krivelj 2; PRP 110kV and SS 110/10 kV Bor 5, Bor
- 36) Configuration, parameterization and commissioning of relay protection and control system in PRP 110kV and SS 110/10kV Bor 5, Bor

II Low Voltage facilities

- 1) Institute for Cardiovascular Diseases Dedinje 2 hospital
- 2) Multifunctional sports hall Košutnjak
- 3) Elektronski fakultet Niš
- 4) Business complex Parking Servis
- 5) Health station Borča
- 6) Residential complexes SPV Avala (Beograd - Zemun), SPV Dunav and SPV Tisa (Novi Sad)
- 7) Retail stores Delhaize Srbija (hypermarkets, supermarkets)
- 8) High school Dragačevo, Guča
- 9) Health station Alibunar
- 10) High school Alibunar
- 11) High school Lazarevac
- 12) Hospital Smederevska Palanka
- 13) Stadium Kraljevica, Zaječar (under construction)
- 14) Hotel Grand Kopaonik
- 15) Sports Hall Inđija (under construction)
- 16) Student's home in Barajevo
- 17) Kindergarten Bežanijska Kosa



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- 18) Parking service Building A
- 19) Zemunske Kapije – Tax Administration headquarter (under construction)
- 20) Storage hall DExpress
- 21) Sports Center “Radnički” Belgrade (under construction)
- 22) Airport dock building – Airport “Konstantin Veliki” Niš (under construction)