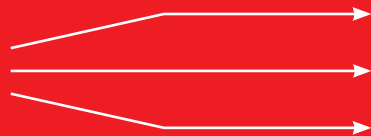


Since its very beginnings, Elektroprojekt focused on **power sector development** as one of its core activities by participating in design and construction of hydro power, thermal power, power transmission and distribution facilities and in renewable energy sources and energy efficiency projects.



Power Sector



Hydro power

Thermal power

Transmission and distribution

→ Hydro Power

Being a pioneer of hydro power development in Croatia, Elektroprojekt participated in development of the majority of the Croatian hydro power systems by preparation of design documentation for most hydroelectric power plants.

Engineering design of hydro power facilities is one of the activities most commonly pursued by Elektroprojekt.

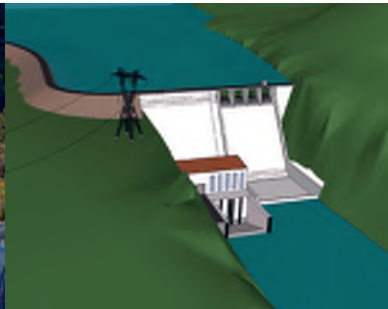
This type of design documentation was and continued to be developed for the projects both in immediate region and abroad.

These activities include engineering design and preparation of studies and analyses for:

- river basin usage hydropower analysis
- hydropower systems
- hydroelectric power plants
- run-off-river plants
- pumped-storage power plants
- small hydro plants
- hydroelectric power plant refurbishment



Mostarsko Blato HPP



*Argun HPP, Chechnya
Multipurpose Utilization of the
Argun River Basin*



Zakučac HPP



Peruća HPP



→ Thermal Power

Elektroprojekt has a vast experience and high level technical expertise in thermal power, particularly in power generation from conventional power sources.

Elektroprojekt has been participating in preparation and implementation of projects and providing technical support during construction and commissioning of almost all major thermal power facilities, plants and systems in Croatia.

In addition to the development of fossil fuel based power generation, Elektroprojekt also works on renewable energy source projects and studies and on analyses of energy efficiency of thermal facilities and equipment.

These activities include engagement on the following facilities, plants and systems within the power plants:

- combined-cycle cogeneration plants
- condensing thermal power plants
- industrial power plants
- biomass- and biogas-fired facilities
- geothermal power plants
- process units within thermal power plants (gas turbine and steam turbine plants, boiler plants, common systems, water intake/coolers ...)
- power plant concept development and siting
- fuel and water supply systems
- steam and hot water boilers
- heat exchangers
- chemical and thermal water pretreatment plants
- flue gas ducting and chimneys
- flue gas treatment and filtering (selective catalytic reduction-SCR, flue gas desulphurization - FGD)
- energy efficiency studies
- waste heat recovery (heat recovery steam generators and district heating water heaters)
- thermal waste treatment facilities (incineration plants) - waste-to-energy (MSW, RDF, SRF..)



Slavonski Brod CCCPP-
600 MW, 2x250 MW_e



TE-TO Zagreb CCCPP - 208 MW_e / 140 MW_t Unit K
TE-TO Zagreb CCCPP - 100 MW_e / 80 MW_t Unit L



Sisak CCCPP - 250 MW_e
/ 50 MW_t Unit C



125 MW Plomin 1 TPP and
210 MW Plomin 2 TPP

→ Transmission and Distribution

Elektroprojekt activity in the field of electricity transmission and distribution encompasses design of substations of all types (AIS, GIS) and voltage levels up to 400 kV, switchyards and switchgears, and HV, MV and LV cable lines. Elektroprojekt has a wide array of specialist expertise needed for rendering of all types of engineering design services and offers comprehensive solutions. Focused on market demand, the company offers to its clients quality solutions for construction of new and reconstruction of the existing power facilities.

Specialist knowledge, calculations and analyses confirmed by the clients applied to the following facilities, plants and systems:

- power transformers (generator transformers, mains transformers, station service transformers)
- switchyards and switchgears (HV, MV)
- LV distribution systems (AC, DC)
- control, signalling, protection, metering and regulating systems
- common grounding, lightning protection, lighting systems and installations
- fire alarm and fire protection systems



Zamet Substation



Rakitje Substation



Ernestinovo Substation





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