

elektroprojekt
Utemeljeno 1949.



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Seventy Five Years of Elektroprojekt

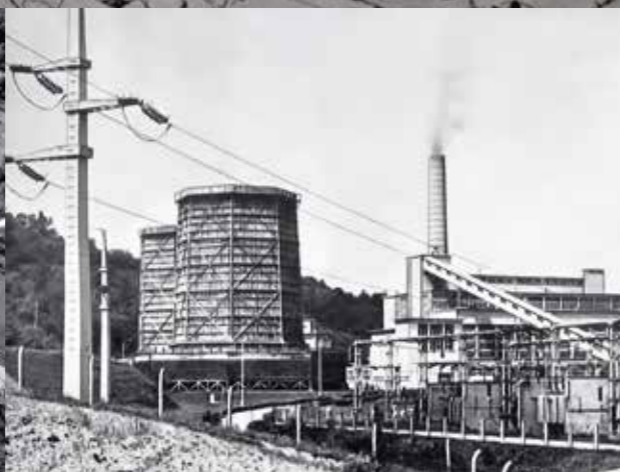
Established 75 years ago, Elektroprojekt has since grown from a company specialized in engineering design of hydroelectric and thermal power plants into a company unique in the region for its scope of activities in energy and water sector, environmental management and nature protection.

The nucleus of today's Elektroprojekt was formed in 1945 when Elektrotehničko poduzeće Hrvatske, ELPOH (Croatian Electrical Engineering Company) was established. In 1946, a hydroelectric power plant design group left ELPOH to join Hidroelektra, a new company established to design and build hydroelectric power plants. In January 1948, when Inženjerski projektni zavod, IPZ (Engineering Design Institute) was founded, Hidroelektra's design engineers joined IPZ in which they formed its Hydroelectric Power Plants Department with 16 employees of which 9 engineers.

On 12 March 1949, the Government of the Federal People's Republic of Yugoslavia established Hidroelektroprojekt, a company for engineering design of hydroelectric power plants and field investigations with branch offices in all capitals of the then republics except Montenegro. On **1 November 1949**, the hydroelectric power plants design group left IPZ for Hidroelektroprojekt Zagreb where it was engaged on hydroelectric power plants design and monitoring at the territory of the People's Republic of Croatia. This was the date when the new company actually became independent, although its first employee was entered into the Hidroelektroprojekt registry and started working in the company already on 1 April 1949. Based on these facts, **1 April 1949** is considered the Elektroprojekt establishment date.



Vinodol HPP – Bajer Dam



Jertovec TPP

On **8 April 1951**, Hidroelektroprojekt was joined by Termoelektroprojekt and a substations design group so the business operations programme expanded to design of all power generation plants and facilities. After the responsibility in this sector was passed from the federal to the republic administration level, the name of the company was changed by the decision the Government of the People's Republic of Croatia to Elektroprojekt – company for design of power generation facilities.

Since 1949, Elektroprojekt has grown into a strong consulting engineers organisation inseparably linked to the development of power generation and water sectors, particularly in Croatia. Until 1953, Elektroprojekt operations – engineering design of hydroelectric power plants, thermal power plants, substations, conducting of field investigations and preparation of studies - were limited to the domestic market. In 1954, Elektroprojekt took its first steps abroad. Its engagement on the Zawgyi Hydroelectric Power Plant in Burma was the start of Elektroprojekt continuous but varying international presence. Since 28 January 1955 the company has been registered

for foreign trade and implementation of international capital projects. Elektroprojekt has since rendered an array of services abroad, particularly in developing countries (Burma, Ethiopia, Egypt, Iran, Libya, Algeria, India), but also in Greece, Spain and the USA.

The results of work of Elektroprojekt experts constitute a unique archive of more than 23,000 design volumes, including design documentation for the majority of hydroelectric power plants and thermal power plants and other facilities built in the Republic of Croatia. Since its establishment, Elektroprojekt has maintained its core business and expanded its field of activities based on the circumstances and requirements of the economic development and market demands. Thus, in addition to water resources management, environmental and nature protection, the scope of Elektroprojekt activities expanded to include the utilization of renewable energy sources, such as wind and solar energy, biomass and geothermal energy, hydrogen usage, and to infrastructure projects such as tram rails and cable cars. Also, the design process is constantly being modernized and new technologies (BIM) are being introduced.



Vinodol HPP construction



Elektroprojekt in Burma



About us

Established in 1949 as a company for engineering design of hydroelectric power plants and thermal power plants, Elektroprojekt has since grown into a company unique in the region for its scope of activities in power generation, water resources and environmental management, and nature conservation sectors. Elektroprojekt's experts and their broad experience contributed to this growth - from the total number of employees of different specialties approx. 50% are certified engineers, and a number of specialists on the Elektroprojekt staff are authorized for validation (compliance assessment) of foreign design documentation in all building sector segments. Many professionals have established traditionally strong partnerships with scientific, research and educational institutions, and with external specialists in the fields not covered by Elektroprojekt expertise (natural sciences, biotechnology, sociology). Elektroprojekt has extensive experience and capacities in managing multidisciplinary projects,



and in conceptualising and evaluating complex multipurpose infrastructure systems. All the projects are undertaken and implemented with due regard of socio-economic requirements, with consideration of their nature and environmental protection aspects.

During its decades-long history Elektroprojekt has always been nurturing a strong sense of responsibility for the national interests. In international projects implemented in 28 countries on four continents - from the USA over the Mediterranean Africa to New Guinea – the company has always endeavoured to meet its clients' requirements while promoting responsibility towards local communities. Such an attitude enabled Elektroprojekt to achieve technically reliable, economically efficient and environmentally sustainable solutions. The company's mission statement reflects this attitude.

The mission idea which inspired the previous generations is a beacon for the young people joining Elektroprojekt today. The young are being specifically prepared to assume the role of their predecessors, whose aims and achievements are deeply embedded in the company's business practices. The company's products constitute a unique archive of tens of thousands of design volumes, studies, analyses, manuals, books, and hundreds of thousands of drawings.

The company's responsible attitude towards sustainability of solutions elaborated in its design documents is confirmed through continual work of Elektroprojekt's expert team in charge of environmental and nature impact assessment of its activities. Being engaged on projects in the field of power generation, water resources, environmental protection and nature conservation funded by the World Bank, United Nations, European banks and funds Elektroprojekt became familiar with procedures, guidelines and requirements facing the consultants involved in implementation of projects funded by these institutions.



Mission and activity

Company mission

Achieving harmony
of building and technology
with man and nature
for the present and future generations

Company activity

Design, consulting and engineering
in energy sector, water management,
nature conservation, utilities,
public facilities and telecommunications



Integrated management system

Elektroprojekt's Management System is in conformity with the requirements of HRN EN ISO 9001:1994 and was certified by SGS International Certification Services AG, Zurich on 10 January 2000.

Immediately after the first certification of Management System according to ISO 9001:1994, intensive activities began to align the Management System with HRN EN ISO 14001:1996 which sets out the requirements for the environmental management system for companies. Elektroprojekt management decided to take this further significant examination of its Management System because the results of Elektroprojekt activities are frequently closely bonded with the environment in which the activities are implemented. Therefore, Elektroprojekt's expects from its professional staff to exercise high environmental awareness and in-depth knowledge of environmental requirements and wants to prove its policy by certification of the Management System. The company policy clearly defines its attitude towards the environmental protection.

Elektroprojekt's Management System aligned with the requirements of HRN EN ISO 14001:1996 was certified by SGS International Certification Services AG, Zurich on 16 October 2000.

Elektroprojekt has been permanently following the company policy. After the first certification its Management System was harmonised with the requirements of new standards, HRN EN ISO 9001:2015 and HRN EN ISO 14001:2015 and is being regularly recertified.

The Elektroprojekt Management System was certified by SGS Systems & Services Certification according to the requirements of ISO 45001:2018 in november 2019.



Services

Elektroprojekt renders services in all stages of construction and operation of facilities. In planning and preconstruction stages, the company prepares all types of studies and programmes required for the development of projects, strategies or plans, all types of design documentation and performs compliance assessment of design documentation. Elektroprojekt provides project management, supervision and site organisation services, and develops quality assurance and commissioning programmes during the construction stage. For the operating facilities, the company prepares maintenance, repair and reconstruction documentation, and develops and implements performance measurements and monitoring. The basic groups of services include:

- Project development and consultancy
- Master plans and strategies
- Strategic studies
- Valuable natural assets management plans
- Feasibility studies and project evaluations
- Environmental and nature impact studies
- Investigation programs
- Preliminary studies, conceptual designs
- Specifications and tender documents
- Main designs, detailed designs
- As-built documentation
- Design documentation validation (compliance assessment)
- Site organization and supervision
- Quality assurance programs, measurements, monitoring
- IT and GIS systems
- IT services
- Maintenance, repair and reconstruction documentation
- Technical measurements and monitoring
- Project construction management
- Commissioning programs
- Power generation plants commissioning programs
- Power generation plants functional testing
- Expertise, due-diligence, reports and checkup
- Project construction management
- BIM design and analysis
- BIM coordination, collaboration and collision analysis
- Auditing and control of BIM deliverables
- BIM project management

Fields of Activity

Power sector

Water sector

Infrastructure and telecommunications sector

Environmental sector



Power Sector

- Hydro power
- Thermal power
- Transmission and distribution

Water Sector

- Water management
- Flood control systems
- Land irrigation and drainage





Infrastructure and Telecommunications Sector

- Gas lines
- District heating systems
- Water supply and sewerage
- Telecommunications
- Public facilities and traffic infrastructure

Environmental Sector

- Environment and protected areas
- Water resources management
- Consultancy and monitoring





elektroprojekt

Established 1949

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