



Water Sector



Alongside its growing activity in hydro power design, Elektroprojekt was developing its design activities in the **water sector**. Design activities in the water sector include engineering design of water management, flood control, and land irrigation and drainage systems.



Water Sector



Water management

Flood control systems

Land irrigation and drainage

Water Management

Elektroprojekt offers complex technical solutions intended to ensure optimum hydrologic regime and necessary quantity of water for different purposes using interdisciplinary approach and sustainable development principles by preparing:

- water management plans
- river basin development and utilisation management plans
- design documentation for complex multipurpose hydropower systems



Senj Hydropower System

Neretva River delta



→ Flood Control Systems

Elektroprojekt offers solutions for small and large river basin flood control by conducting hydrologic and hydraulic analyses the results of which are used for optimisation of solutions, from simple protective structures such as dikes or retention basins, to complex flood control systems.

The design documentation is prepared for:

- dikes
- retention basins
- reservoirs
- pumping stations
- weirs
- water drops and sills
- complex flood control systems
- watercourse training
- revetments



Odra Relief Canal



Burnjak Retention Basin



Mura River dikes

→ Land Irrigation and Drainage

Elektroprojekt offers solutions for irrigation and drainage of excessive water for smaller and larger agricultural areas. The solutions and size of structures to be built are determined based on soil investigations, irrigation water demand calculations, analysis of available water resources and hydraulic analyses.

The design documentation for such systems offers solutions for:

- pumping stations
- settling basins and filtration systems
- reservoirs
- water abstraction from unconfined streams or groundwater abstraction
- pressurised distribution pipelines
- open canal network with system of weirs



Mini sprinkler irrigation system



*Kapinci-Vaška irrigation system,
pumping station*



Linear irrigation system





elektroprojekt

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