

Fields of activity:

S.C. RUXPRO Ltd. provides complete design services in the field of hydropower and engineering for all phases of design.

SC RUXPRO Ltd. hold Certificate no. 805/2011 issued by the Ministry of Environment and Forests technical and professional competence to perform work in the following areas:

- a) preparation of hydrological studies;
- b) preparation of water management studies;
- c) drafting documentation to obtain approval/permit water management.

Works from hydropower field:

(capture thresholds, construction of penstocks, bypass - pipes and canals, small hydro power plants, etc.).

Works on water management:

Design of watersheds, dams, regulation of rivers, protection of banks, dams protection



HPP Lunca Cornului - Exterior View

SC. RUXPRO Ltd. DESIGN AND CONSULTANCY IN HYDROPOWER FIELD

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Unique Registration Code : RO 12473746

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Member ROSHA - Romanian Association for
Small Hydropower



QUALITY and EFFICIENCY



HYDROPOWER PROJECTS

www.ruxpro.ro



Water intake Breaza on Prahova River.

$Q_{max} = 9.2 \text{ mc/s}$

SC RUXPRO Ltd. provide complete services of design and consultancy, in the field of hydropower and hydraulic, for all design phases: Feasibility Study, Technical Project, Technical Documentation for obtaining the Building Permit, Execution Details, including Topographical, Geological Studies and Technical Assistance to Execution.

About RUXPRO Ltd. provide design **services using the latest software solutions in industrial and civil construction**, providing professional solutions for CAD and calculation for structures.

Staff of RUXPRO has a special qualification in the specialty in which it operates. Engineers are experienced professional, certified statement of work done in the projects developed.

RUXPRO Ltd has contracted numerous hydropower construction project works (capture thresholds, construction of bypass water - pipes and canals, hydroelectric power plants, etc..) construction of water management (design of watersheds, damming, regularization of rivers, protection of banks, dikes, sills).

The main activity in society is related to hydropower projects, especially small hydropower plants with installed capacity less than 10 MW.



Bifurcation pipe HPP Cornu
 $Q_i = 3+5 \text{ mc/s}$

Design services provided:

- Development schemes for turning into account the hydropower potential
- River regulation works and torrent corrections
- River banks protection, discharge sills, riverbed works
- Protection dikes, irrigation canals
- Water catchments for various uses
- Pipes and canals for water diversion
- Hydropower stations
- Repair, rehabilitation and of hydropower objectives
- Metal works



HPP - Lunca Cornului

$Q_i = 4.5 + 3.5 \text{ mc/s}$
 $P = 2.69 \text{ MW}$
 $E = 13.148 \text{ MWh/an}$



$Q_i = 4.3 \text{ mc/s}$

Water intake Sadu A on Riverl Sadu, county Sibiu



HPP Sadu A - Exterior View

$Q_i = 4.3 \text{ mc/s}$
 $P = 1.9 \text{ MW}$
 $E = 6.600 \text{ MWh/an}$



HPP Sadu A
Machine hall