

ECOLOGICAL TYPE OF HYDROPOWER PLANT

- Traditional activities are **ACTUALLY IMPROVED**.
- With the construction of this hydropower plant type, all natural, cultural, sport and other activities remain the same.
- The inventive approach of solving the aforementioned problems was pointed out at the public debate in which the support of NGO “Unski smaragdi”, the present citizen and USK institutions was acquired.

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- The hydropower plant works only during high and medium water level. During a low water level, this hydropower type stops working since it is necessary for the water stream to ensure its biologically acceptable minimum of water flow necessary for the maintenance and development of the ecosystem of the complete river area.

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- Note regarding the biologically acceptable minimum:
- This problem is solved by the water entry which is patented and the water flow through the entry does not depend on the operator of the HP but actually, the operator cannot take more water than calculated and how much has to remain in the river and its belonging ecosystem.

ECOLOGICAL TYPE OF HIDROPOWER PLANT

- This hydroelectric power plant type is built with a minimal intrusion into the water course. For this reason, this plant type can also be built within national parks and other protected areas while respecting the strictest ecological and other environmental requirements.
- Ecological type of hydropower plant can be built in all climate conditions. From the continual ice over continental area to the tropical forest.

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- The preliminary economic cost effectiveness of constructing a pilot project small HP M.Brod-Bihać-BiH:
- Power 2 MW, pipeline length 1700 m
- Height difference of 45 m, water amount through entry 6m³/s.
- The investment amounts to 2.000.000 Euro
- Annual income for 200 days of the HP is 450.000 Euro.
- Repayment of capital in about 5 years

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- In the end but not quite
- EU has accepted a formula 20-20-20. This means to reduce the emission of greenhouse gases for 20% and increase the production of energy from renewable sources for 20% until the end on 2020.
- Having this in mind I believe that the ecological type of hydro-power plant can be widely used and these are my thoughts
- Question

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- 1. I publicise this type of hydro-power plant on-line according to the agreement with the European Committee for Energy. This means that it can be built by anyone anywhere in the world, with government funds or those of a private investor.
- European Committee can find the ways to implement this idea because they have funds and instruments at their disposal.

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- 2. We need to find manufacturers which produce equipment for small power plants. The equipment is standard.
- 3. EU is interested in preventing the arrivals of immigrants from Africa and other underdeveloped countries in the world

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In order to reduce climate change, emission of CO₂ and increase of OIE participation, we should consider the possibility to move the production capacities and project drafting to Africa, Asia and South America. In this way we would start the production of electric energy, reduce the emission of greenhouse gases, ensure the development, improve the health and living conditions of local inhabitants, and most importantly reduce the number of immigrants in EU.

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4. Better offer is not possible

ECOLOGICAL TYPE OF HYDROPOWER PLANT

- CAN WE HAVE BOTH,
- BEAUTY AND ENERGY

- WE SAY, WE CAN,
- HOW ? LOOK

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