



ENERGY WITH NATURE FOR EVERYONE



Facts and numbers

- > Production of electricity in harmony with nature: ENERGY with NATURE for EVERYONE
- > No accumulation of water. Therefore, there is no production of methane (research EAWAG)
- > Great potential: 12,000 possible locations in Switzerland at 10,800 km long, obstructed, channelled and straightened rivers with many river stairs.
- > According to federal law of Switzerland about water pollution control 2011, the renaturation of rivers have to be implemented
- > Strong demand of naturally generated electricity
- > 50 to 100 years of permanent operation
- > Great potential abroad; research- and engineering working places in Switzerland

Economy

- > 100 % renewable and safe energy
- > Simple, robust and low-maintenance. Small and cheap with a modular construction
- > CRF/federation: 25 years of guaranteed electricity price decline unto Fr. 0.35/ kWh

Technology and Performance

- > Possibility to generate 50,000 - 500,000 kWh of natural electricity per year
- > Constructions out of concrete, steel, gabions or wood
- > Operations are possible at a minimum amount of water of 1,000 l per second with a minimal gradient of only 0.7 – 3 meters (optimal: 1.5 – 2.5 m)
- > 1 – 5 river stairs per plant can be eliminated
- > River is NOT accumulated
- > For the most part, the plant is underground (below ground level)
- > Efficiency of a whole plant is now 42%; with a new rotor >50%. The efficiency of a whole nuclear power plant is approximately 27-35%

Social Aspects

- > The cooperative is integrated in society as a support instrument
- > International projects contribute to the wealth of those countries and Switzerland
- > Opportunities for Switzerland as a location for innovation and working places
- > Research and development in Switzerland
- > Local production generates also jobs in Switzerland
- > Decentralized, independent and safe generation of electricity
- > Very cheap generation of electricity due to serial production, modular construction and no disposal costs

Nature and Ecology

- > Fish, crabs, snails and friendly weir (also: benthos friendly weir) due to the approved locks. There is a research going on to prove its efficiency
- > Enhancement of habitat for plants and micro-organisms
- > Only those sections of rivers are chosen that are already channelled and obstructed
- > Fostering biodiversity and genetic exchange due to totally free passages (100%)
- > River revitalization in every project
- > More ground water due to meandering of the river
- > Guaranteed sediment management
- > Oxygen enrichment due to water vortex
- > Fish descend through the slowly turning rotor (only 16-22 turns per minute); this is about to be proven in a scientific research
- > Fast fish have the possibility to swim upwards (e.g. brown trout) through the rotor, slower ones can pass through locks or other passages
- > Local plants and biotopes enhance the environment



APPLICATION

THIS IS A GREAT INNOVATION – COUNT ME IN!

Yes, I/we want to:

- Become a member and/or loaner of the cooperative (GWWK)
- Sign (a) share certificate(s) of CHF 1,000.- (profitability 3.33%)
- Grant a loan to GWWK (interest of 2,34 %)
Loan amount: CHF:
- Donate money for research on the development of the rotor
and for scientific reasoning of fish friendly weir
Loan amount: CHF:
- Donate money for GWWK's international (aid) projects
Amount: CHF:
- Make a donation to GWWK
Amount: CHF:
- Build a gravitation water vortex power plant. Please contact me!
- Have a brochure about Gravitation Water Vortex Power Plants Switzerland by mail
- Ask some questions. Please contact me!

As soon as we have received your payment we will confirm it instantly or deliver the share certificate(s)

Organisation/company:

Name:

Surname:

Street:

Postal code/ city:

Phone number:

Mobile phone:

E-Mail:

It is also possible to sign up online: www.gwwk.ch

Previously named conditions apply to natural persons. Bank account: Raiffeisenbank Reitnau-Rued – 5044 Schlossrued – IBAN: CH15 8072 3000 0030 4357 9. Interest rates, calculations of interest and withdrawal of loans are adapted to the statutes and GWWK's regulations. Thank you!

Genossenschaft Wasserwirbelkraftwerke Schweiz | Sägeweg 2 | CH-5040 Schöftland | Phone number +41 (62) 721 82 53 | www.gwwk.ch

You can find all important information, regulations and statutes you need to know to sign up for the cooperative GWWK Switzerland online: www.gwwk.ch

- Provide my/our knowledge and skills for the cooperative

Raiffeisenbank Reitnau Rued
5044 Schlossrued

CH15 8072 3000 0030 4357 9
Genossenschaft
Wasserwirbelkraftwerke Schweiz
5040 Schöftland

In favor of

50-9699-2

E-Mail:

Phone number:

Mobile phone:

share certificate

loan