

RIVERS FLOW FREELY WITH PRACTICAL NEW HYDROELECTRIC DAM CONCEPT:

Could AqueDam prevent generations of market jitters?

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David Huer proposes a practical new design to end conflict between large dam builders and valley protectors. Could AqueDam make former opponents partners?

Dam engineers face a challenging <u>trilemma</u>. Dams need defined height ("head") to generate energy, but traditional "solid wall" dams disturb and destroy natural ecosystems. Governments believe the hard choice is between 'developing renewable energy supplies' vs. 'protecting and sustaining ecosystems'.

Hydroelectric Projects affect direct and indirect domestic and foreign investment:

- Energy supply and delivery systems;
- Supporting industries such as infrastructure finance, design engineering, construction, and labour supply;
- Public infrastructure, transport and transport delivery, project energy supply, and fulfillment services;
- Financing, bonds, and geopolitical activities of companies, provinces, states and nations.

Authorities and investors must evaluate hundreds of future projects. In an unstable warming up world, the challenge is to select which projects have 'forecast least get-to-market volatility'—the threat of decades of costly legal, political, and armed conflict that harms communities and market confidence.

"Conflict over how we co-exist with nature holds back our ability to create simultaneously profitable and ecologically sustainable energy supplies," said David Huer. "AqueDam is one way to change the social dynamic from conflict to partnership. It achieves the head elevation needed for power generation, without destroying valley economies, treaty lands, businesses, farms, and natural ecosystems - in regions where investors still believe the choice is about profits vs. nature," he added.

AqueDam generates the same power output, but resolves the conflicting aims of investors, builders, energy vendors, aboriginal title holders, conservationists and natural ecosystem defenders. Inspired by Roman aqueducts, open-lattice bridges, and London, England's tidal barrier, the design concept places the head pond on top of the dam, with one or more upstream pipelines supplying water to penstock intakes. Each pier has its own water intake, penstock and powerhouse. AqueDam keeps the river flowing between the piers spaced across the river. It keeps wildlife migrating and farmers farming.

About Hubble Project Group:

Based in Vancouver, Canada, David Huer addresses complex 'black swan' challenges faced by investors, agencies and enterprising societies.

Contact:

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http://hubbleproject.com dhuer [at]hubbleproject.com **Aquedam Concept:**

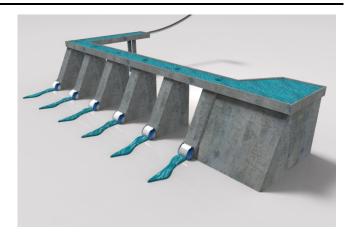
David Huer

Solidworks Drawings:

Matej Borovec: https://www.behance.net/matejbrvc17efe

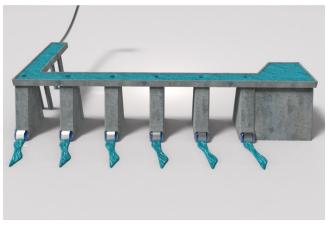
Right Oblique View

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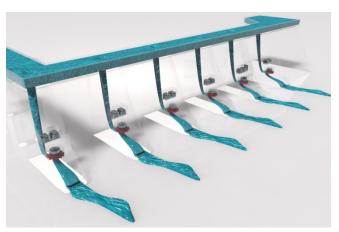


Front View

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Perspective Cutaway View

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