Hydrotube Energie:

- Created in 2009
- Bordeaux, France

Hydrotube Energie: Study, Manufacture, Installation, Maintenance

- Instream water turbine

- F. Jouanny, CEO
- S. Lauret, Electrical engineer
- C. De Poumayrac, Business engineer
- J. Ledoux, R&D engineer
Instream water turbine concept.

**Current:**
Its depth and its flow velocity offers a continuous source of kinetic energy.

**Rotor:**
It captures kinetic power from the river to turn it into rotational mechanical power.

**Generator and electric converters:**
Together, they transform mechanical energy into a functional electrical energy (230/400V and 50/60Hz).

**Consumers:**
Supplied by a three or mono phase electric current, they enjoy a renewable and predictable energy all year round.
H³ « the bidirectionnal »
A proven technology

- 1st installation into the Garonne in **Bordeaux in 2015**
- **No damage** on the blade during 3 years of immersion
- Pivoting and lifting systems: **100% mechanical**
- Easy and secured **maintenance** on board
- Only **steel and aluminium** used for manufacture
- Electrical power measured up to 18 kW

**Reliable**  **Frugal**  **Efficient**
Our «Test site» in Bordeaux
A showcase ready to duplicate

- Instream water turbine H³.V2
- Underwater power supply cable
- Electric conversion equipments
- Energy storage
- «Domestic» energy use
- «Industrial» energy use

World 1st company self-supplied by its own water turbine 🙌
Our partners support the project.

- Engineering, Consulting & Manufacturing
- Maritime workers, Mooring & Marine Expertise
- Co-finance Research & Development
- Numerical analysis & performance optimisation
- Modeling & simulation of geophysical flows

HYDROTUBE ENERGIE
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Instream water turbine for off-grid electrification