

BLADETIPS ENERGY

THE SMART WIND TURBINE FOR TOMORROW'S ENERGY

INCUBATION - STARTUP CREATED

BENEFITS

Wind power production at a lower cost

KEYWORDS

Wind
Offshore
Drone
Energy



**BLADETIPS
ENERGY**

INTELLECTUAL PROPERTY

Multiple patents.

LABORATORY

GIPSA-lab, Grenoble INP

TECHNOLOGY MATURITY & USAGE

TRL (Technology readiness level)



URL (Usage readiness level)



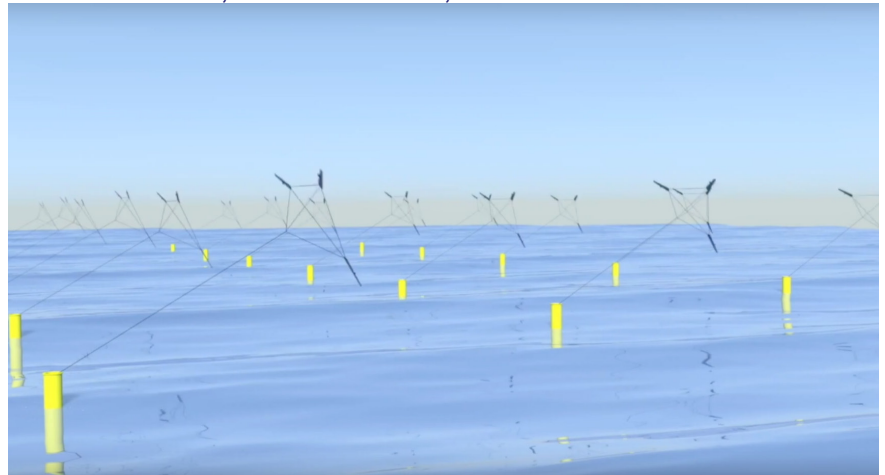
PROJECT

INCUBATION - STARTUP CREATED

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HIGHER WINDS, LIGHTER BASE, LOWER COSTS



CONTEXT

This technology offers a solution to those that are seeking renewable energies that are also economically sustainable. In Europe, the potential market for offshore wind turbines is estimated at 140 GW, which represents a market of about 600 billion euros.

TECHNOLOGY

The energy is produced using a flying rotor that makes a generator spin.

The length of the cable allows to catch the wind at an altitude of 300m, where the wind is stronger and most stable.

In most classical wind turbines, the energy is produced by the blade's tips. Bladetips Energy offers an alternative solution which uses blade tips without needing the mast, nor the heavy foundation of a wind turbine.

As opposed to other wind turbines, this system avoids any destabilization of the floating basis which makes it possible to reduce costs.

ADVANTAGES

Its construction needs 90% less materials than a classical solution. It produces 15% more energy. The cost of an offshore wind turbine park is reduced by 60%.

MATURITY

The team has tested and successfully flown more than 15 prototypes, hundreds of hours of wind tunnel tests have been performed.

APPLICATIONS

The application for this technology is floating wind farms.

For more informations : www.bladetipsenergy.com