

Jean Claude Lefeuve, 1st March 2013

*About an original wind-turbine of his design and building*

**Test with weak wind of a tri-blade radial wind-turbine.** It is mounted on a stationary or mobile mast as already described in the concept that I had illustrated briefly in 2011 with a sketch on the ECONOLOGIE's topic :

<http://www.econologie.com/forums/turbine-eolienne-rotative-bi-plan-roboplan-vt4872-1010.html>

where one can notice the mast (2) at the end of which is fixed a bound and not rotary gearing (1). **The rotation of the blades (6) is simultaneously horizontally by the 3 gearings (3) with a 2/1 cinematic ratio and around the vertical axis that the mast constitutes.**

**A drift (7) which is bound to the high mobile side of the wind-turbine allows its optimal orientation facing the wind.** Thus while rotating, one of the 3 blades is always vertical and facing this wind.

**The video shows a proof-concept for demonstration, with simplified configuration ;** the elements are mainly build with mechanic-welded tubes, the 3 shafts on which are fixed the gearings and the blades are mounted well on smooth landings. Nevertheless, one can use anti rubbing rings or ball bearings or even require special steels for efficient wind-turbines.

**The dynamic plans (blades) of its structure are raising a real aesthetic interest** (according to the people who observed its working) **in the landscape** (gardens, public places) **and also for advertising purposes.**

**While removing the blades, the concept can also be used as a dynamic lighting ;** in this use the blades would be changed for luminous and colourful spotlights ; the whole would be electrically actuated.

Contact:

e-mail on the photo or see the site <http://www.youtube.com/user/Lefeuverturbine>  
and <http://www.youtube.com/watch?v=6FwRLI6AIIA>

