

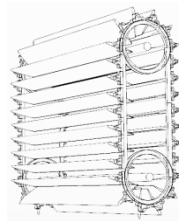
Veplas d.d. has in April 2016 in project consortium with company Primum d.o.o. won an extremely competitive EU call SME Instrument Phase 1



Grant agreement no: 729183

Project Acronym: **ECO-TURBINE**

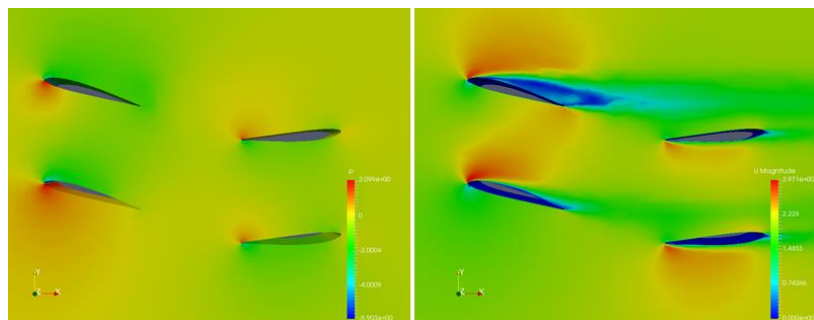
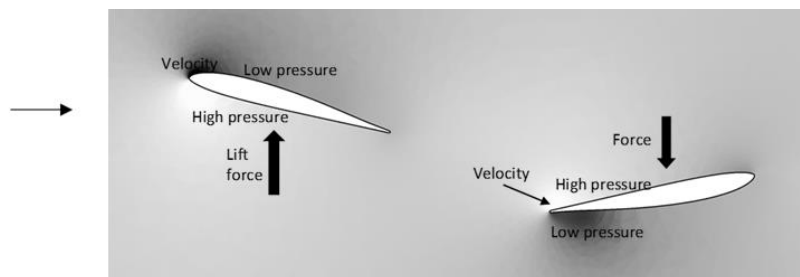
Project title: **Development of Lamella Type of Wind Turbine Made of Bio Composite Polymers**



Conventional wind turbines are dangerous for birds, animals and humans in their vicinity and produce harmful low frequency noise; they are as a rule also made of composites with a considerable carbon footprint. In the frame of overall ECO-TURBINE project **we will provide the first true ecological wind turbine in the world!** ECO-TURBINE is a win-win-win solution: **turbine will produce green electricity; however its main function will be serving municipalities by filtering polluted air in urban environments, apart from that its moving surfaces will be sold as eye catching rotating advertising billboard space.**

*ECO-TURBINE turbine solution represents a completely new concept that will mean a third basic concept of wind turbines apart from HAWT and VAWT turbines*

In the framework on the project was prepared a feasibility study with business plan, built was full size prototype and conducted was series Computational Fluid Dynamics (CFD) simulations, on site tests etc. With cooperation of European Commission's coach were elaborated business models, market strategies and other issues related to successful market launch of the turbine.



Figures above: CFD simulations of aerodynamics of turbine