

Aerodynamics Performance Enhancement by Leading Edge Protective Wraps

Publieke samenvatting / Public summary

Cause

Innovations in leading edge protective wraps or protective coatings are currently being developed to counter the effects of leading edge erosion and damage on wind turbine blades. Concurrently, the design and development of vortex generators (VG's) is taking place to counter aerodynamic stall.

Objective

This project will look specifically at research and analysis for the refinement of the design and development of an innovative solution, namely “fit-for-purpose sleeve”, which can couple the leading edge protection with the VG's and meanwhile to act in concert, harmoniously with the root spoilers. Hence the aerodynamics performance enhancement can be incorporated with the leading edge protective wraps.

Projectinformatie / Project information

Projectnummer / Project number

TKITOE_WOZ_1905_ECN-TNO_APPWRAP

Subsidiebedrag / Grant amount

€ 88.200,00

Algemene informatie / General information

Penvoerder / Secretariat

ECN-TNO

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