

EURO MAINTENANCE 4.0

AN INITIATIVE OF



PRODUCED BY



IKERLAN.
WHERE TECHNOLOGY
IS AN ATTITUDE



Optimization of asset management strategies based on life cycle cost due to non-reliability. A wind energy case study.

Directors:

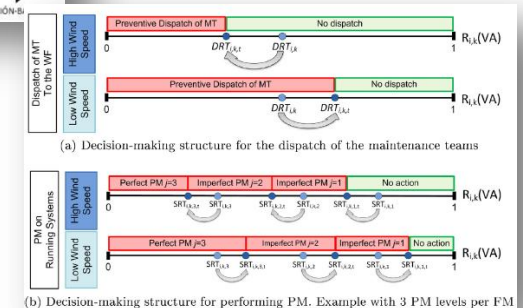
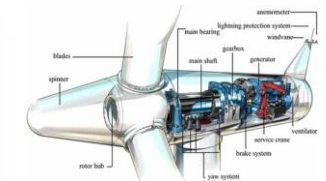
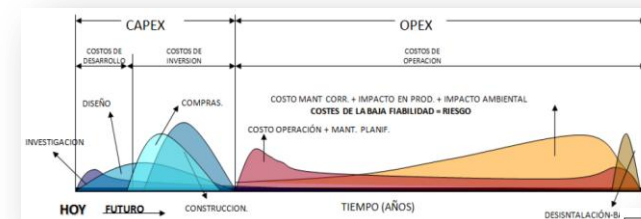
Pr. Adolfo Crespo Márquez
Dr. Eduardo Castellano Fernández

Problem

Mainly reactive asset management strategies are adopted in the wind energy sector.

Solution

To facilitate proactive asset management decisions based on life cycle cost analysis.



IKERLAN.
WHERE TECHNOLOGY
IS AN ATTITUDE

IK4 
Research Alliance



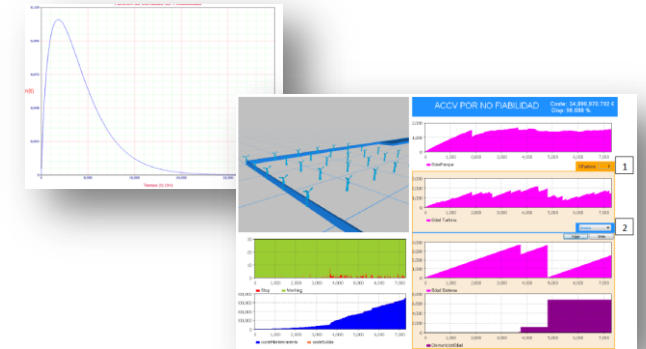
Optimization of asset management strategies based on life cycle cost due to non-reliability.
A wind energy case study.

Directors:

Pr. Adolfo Crespo Márquez
Dr. Eduardo Castellano Fernández

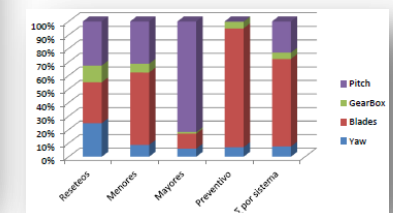
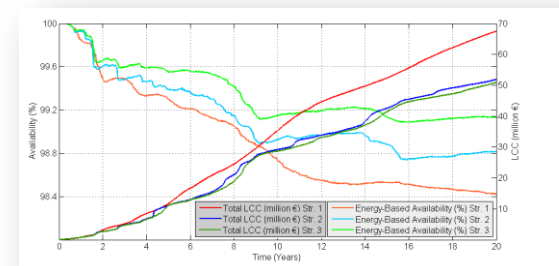
Tools

Reliability Analysis.
Simulation Modelling.
Optimisation.



Conclusions

Being proactive is cost-efficient, opportunistic maintenance policies are very suitable in the sector (up to **24% Cost** and **27% Loss of Production decrease**).
Asset management decisions are facilitated on critical systems.



EURO MAINTENANCE 4.0

AN INITIATIVE OF



PRODUCED BY



IKERLAN.
WHERE TECHNOLOGY
IS AN ATTITUDE



Optimization of asset management strategies based on life cycle cost due to non-reliability.
A wind energy case study.

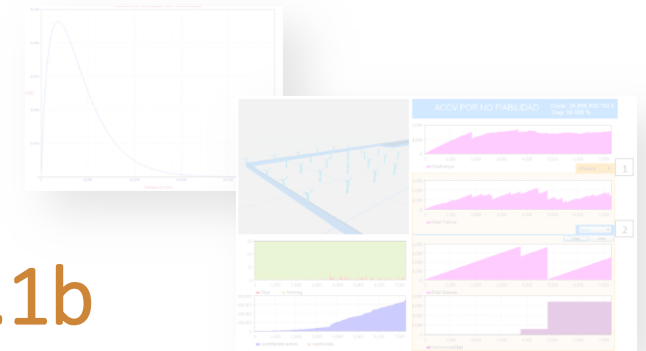
Directors:

Pr. Adolfo Crespo Márquez

Dr. Eduardo Castellano Fernández

Tools

Reliability Analysis.
Simulation Modelling.
Optimisation.



Session 3.7.1b

Wednesday September 26th
9h20-9h40

Conclusions

Being productive is cost-efficiently. Opportunistic maintenance policies are very suitable in the sector (up to 24% Cost and 27% Loss of Production decrease).
Asset management decisions are facilitated on critical

sy

