

LiDAR Assisted Optimisation & Monitoring Solutions

Unbiased wind field data

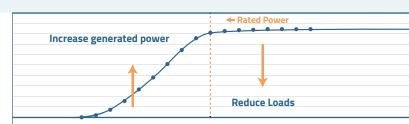
- Wind speed

- Wind direction Wake effect intensity General turbulence intensity
 - Rotational speed
 Air density



Unique plug and play optimisation solution for any model of turbine

- AEP increases of 2-4%
- 20% load reduction at high wind speeds
- Plug and Play integration



Yaw Optimisation

Below rated power:

Aligning the wind turbine with the incoming wind flow direction in order to increase power production.

Above rated power:

Gradually misaligning the wind turbine to reduce loads affecting the wind turbine without sacrificing power production.



NEXUS OS Monitoring Solution – Cyber Safe Fleet Management System

Nexus OS is a LiDAR monitoring and optimisation OS that offers groundbreaking advancements in turbine asset monitoring, that includes a modular and upgradeable software suite.



The **Event View** displaying events or flags related to the unit



The Control Center listing the deployed LiDAR units



The **Li-app** provides live monitoring of the LiDAR unit