

This PDF is generated from: <https://www.sesona.co.za/28-12-24-20899.html>

Title: Lightning protection for wind turbine blades

Generated on: 2026-05-03 22:44:46

Copyright (C) 2026 Sesona Energy Solutions. All rights reserved.

For the latest updates and more information, visit our website: <https://www.sesona.co.za>

---

Protect your wind turbines from lightning strikes. Polytech offers certified lightning protection systems that ensure safety and uptime for your wind farm assets.

To clarify a generating mechanism of blade damages and to establish suitable lightning protection methods such as a proper arrangement of receptors are quite important for the further ...

LSP provides wind turbine lightning protection, SPD & LPS solutions, ensuring reliable lightning strike protection, maintenance, and risk assessment.

In order to plan protection measures, it is advisable to subdivide the wind turbine into lightning protection zones (LPZs). The lightning protection system of a wind turbine protects two sub-systems ...

To help prevent damage and minimize the need for costly repairs and downtime, ERICO has developed a wind turbine blade lightning protection system. The innovative receptor assembly is tested to IEC 61400-24; ...

The results show a progression in the lightning protection of wind turbine, however, due to higher generated power and better wind conditions, wind turbines are getting taller and the blade length are ...

Learn how to protect wind turbines from lightning in compliance with the IEC 61400-24 standard, ensuring safety, reliability, and optimal performance.

The Lightning Protection System (LPS) is a passive lightning protection, ensuring that lightning strikes hitting the blade are transferred to the grounding. The systems are tested in ...

In order to increase the generated power and for better wind conditions, wind turbines are getting taller, the swept area and the blade lengths have been increased, and shifted to offshore...

Owing to that, the present work introduces a new approach for a lightning protection system for wind turbine blades where preliminary investigations were done using Analysis Systems ...

Web: <https://www.sesona.co.za>

