





Raycap Exclusive Protection Technologies for Wind Turbine System Retrofits

As the world continues to try to find better, less expensive ways to provide sustainable energy, wind turbines have become more and more commonplace in the landscape. Some of these early energy generators are approaching 20+ years of age. As wind turbines begin to age the number of out-of-warranty turbines in operation is rising steadily. Because of this, wind farm

operators are becoming more interested in finding ways to stretch the lifetimes of their investments and reduce the costs of operation and maintenance (O&M) procedures. This is being done through closer monitoring of the environmental factors which can degrade and even stop a turbine completely. Of these, damage by lightning is by far the most destructive.

Reduce Operating & Maintenance Expense with Raycap Signature Products

Strikesorb®

The unique patented design of
Strikesorb products provides
uninterrupted protection from damage
caused by electrical surges or direct
lightning strikes. Strikesorb's patented
maintenance-free design absorbs and
dissipates the excess energy of lightning
surges without performance deterioration,
which is ideal for an advanced application

Strikesorb is rated for safe operation without the use of internal fuses. This unique feature combined with its capability to be directly connected to power lines or busbars (in-line connection), makes it the most reliable surge protection device known and insures that critical electronic equipment will remain protected at all times.

Upgrade kits can be custom designed to meet the specific requirements of a particular wind turbine type, and they are easy to install during planned periods of maintenance.

DIN Rail Solutions

like a wind turbine.

ProTec

ProTec industrial SPD solutions from Raycap offer surge protection technologies including gas discharge tube (GDT) and metal oxide varistor (MOV). Available in a wide variety of operating voltages, the ProTec products feature a vibration and shock withstand capability, a new industrial DIN Rail housing design, a patented module locking mechanism, and both VDE and UL safety certifications.

RayDat

RayDat data and signal line surge protection provides unsurpassed electrical protection for signal power

applications. These products meet the diverse requirements of industrial signal protection applications.

SafeTec

Protection against the indirect effects of lightning can be provided with surge protective devices (SPD) at zone boundaries.

The patented SafeTec technology operates in open circuit mode in combination with current-limiting technology. This current-limiting control prevents permanent disconnection during adverse temporary overvoltage (TOV) conditions.



Custom Solutions

Raycap is known in the industry for working together with its customers to develop customized or fully-custom solutions specifically for wind energy applications. Our many years of expertise and technologically-advanced surge protection technologies have helped customers worldwide to compensate for the destructive nature of lightning and electrical surges which can disable a wind farm operation.



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