

Wind Power

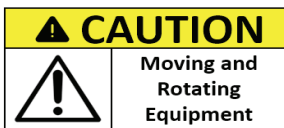
Application Guide



Risks

The global rise of renewable energy, especially wind turbines, creates new complexities within the safe operations of power generation, transmission, distribution, and maintenance of new energy equipment.

Maintenance and operators at wind power facilities are faced with various risks such as:



Equipment in Motion



Confined Space



Fall from Heights



Electrical Hazards

These critical areas of application put personnel and equipment at risk and even pose life threatening situations.

The smooth operation of a wind power facilities and the protection of personnel requires a safety solution that mitigates risk and eliminates human error. Trapped key interlock solutions are customized to each user's procedures with a predetermined sequence of operations ensuring power is fully isolated, operations are followed, and safe access is available.

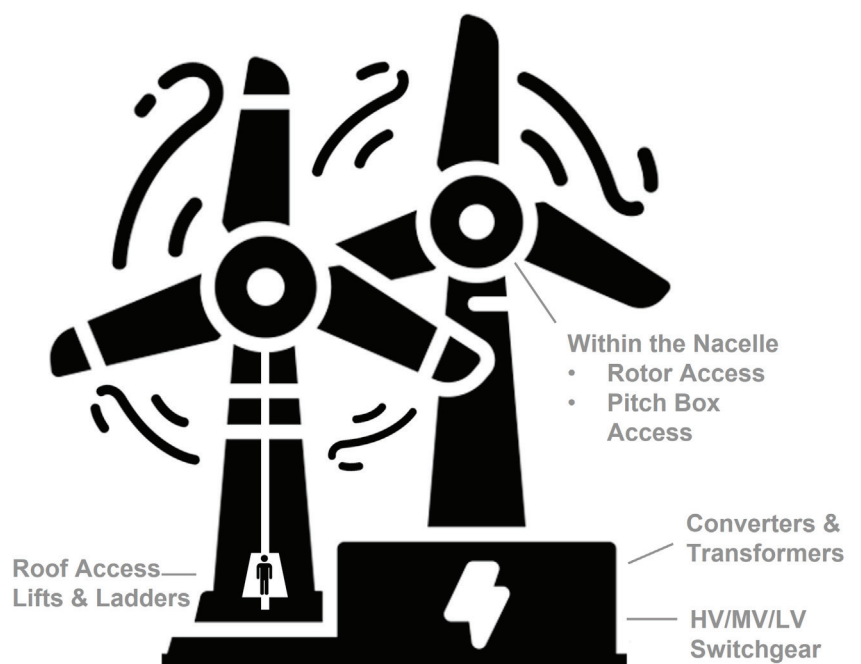
Where Trapped Key Solutions can be Found

On or off-shore wind power equipment can be safely protected by a trapped key interlock solution.

These solutions can be fully integrated throughout the turbine or single applications for specific maintenance requirements.

Safety solutions include:

- Roof access / lifts & ladders
- Converters & Transformers
- HV/MV/LV Switchgear
- Rotor access
- Pitch Box



Benefits of Trapped Key Interlocking

Why use a trapped key interlock safety solution?

To **PROTECT** personnel from hazards ensuring predetermined sequences of operations are followed.

To **PREVENT** loss of operations and setback due to equipment damaged by mis-followed operations.

To **PROVIDE** risk control and peace of mind; eliminating human error and ensuring everyone has the right to be safe at work!

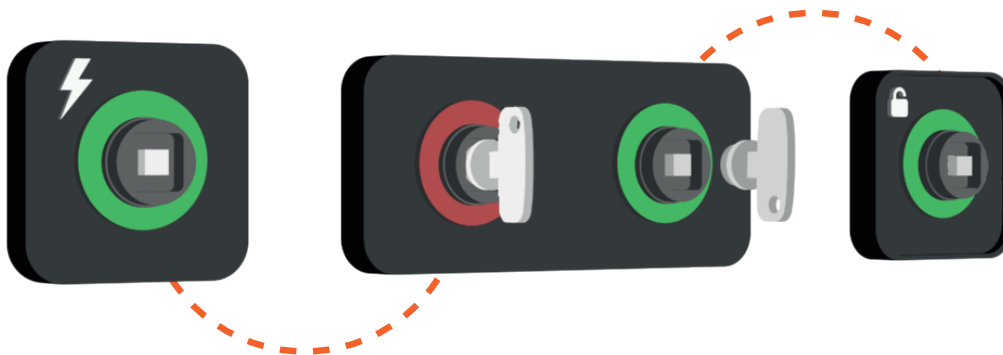
A trapped key interlock solution is;

INTEGRATABLE onto new equipment or retrofit into existing procedures and equipment.

CUSTOMIZABLE to your specific safety requirements through the sequenced design and or with custom product.

RELIABLE and robust safety solution that can withstand harsh environments, maintaining the integrity of the safety solution.

How A Trapped Key Interlock Solution Operates



Power is isolated. The key can be removed and taken to the key exchange.

The initiating key from step 1 is inserted into the key exchange, re-releasing the access key(s) and trapping the initiating key.

Access key(s) can be taken to the appropriate access door(s) and personnel can safely perform maintenance and operations.

Power can only be restored when maintenance is complete, trapped key solution is followed in reverse, returning all access keys, and releasing initiating key to restore power.

No Compromise on Safety

Our team will partner with you to design your safety interlock solution scheme, build a bill of materials, and coordinate with multiple equipment OEMs to ensure your wind power facility safety solution is implemented in the field with peace of mind; mitigating risk and eliminating human error.

Working with Global OEM's and Integrators to ensure the safest most efficient energy around the world!



CONTACT US TODAY
to discuss your next Wind Power project.



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