CASE STUDY: GENERAL LOW-VOLTAGE DISTRIBUTION SWITCHBOARDS

Wind farm in the United States



Wind farm in the US Main challenge:

Project in the United States carried out by a Spanish company: need for compliance with NEC regulations

UL891

The manufactured equipment must comply with the safety standards defined by the UL891 standard

ARC-FLASH

Ensure the safety of operations and maintenance personnel in the event of an internal arc fault

REGULATORY COMPLIANCE

Strict compliance with UL 891 safety standards. In addition, an internal arc resistant system prepared for shipping in a sea container in a single transport unit is required



Safety in case of internal arc fault



NEC Compliance



Shipping in a single transport unit



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Wind farm in the US

Solution – Power+ distribution switchboard:

MES proposed its Power+ solution with **EATON** low-voltage switchgear and **CUBIC** enclosures. An efficient solution that, in addition to ensuring compliance with the **NEC**, maximises the safety of operations and maintenance personnel

SOLUTION

UL891 Switchboards

- 1. Assembly mounted on a single transport unit
- 2. EATON switchgears and CUBIC enclosures
- 3. Comprehensive test plan to ensure quality of supply

Compact solution



Hazard Risk Category 2

100% compliance with standards



Short-circuit current

65 kA

Degree of protection

NEMA Type 12



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Wind farm in the US Benefits of the solution:

Compliance with the U.S. Electrical Standards and Regulations



Power+: A UL-compliant solution, ensuring NEC code compliance and a high degree of safety for maintenance and operations personnel. Highly flexible design that adapts to space limitations without affecting performance.

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