



CASE STUDY: MAIN LOW-VOLTAGE DISTRIBUTION SWITCHBOARDS AND MOTOR CONTROL CENTRES

Pulp Industry

November 2021

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Pulp Industry, Spain

Main challenge:

24/7/365 availability in a highly corrosive environment due to the presence of sulphur

■ CORROSIÓN ■ ISSUE

The manufactured equipment must be suitable for use in highly corrosive environments

AVAILABILITY AND SAFETY

Pulp industry extreme corrosive environment affects negatively to electrical equipment. Maintenance and operation staff is exposed to potential hazards and system availability might be reduced

■ ARC-FLASH

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



Safety in case of internal arc fault



Corrosion resistant



24/7/365 Availability

Pulp industry, Spain

Solution – MODAN-S Power Distribution Boards and MCC's:

MES proposed EATON's MODAN-S solution, a widely proven option in applications with high technical requirements and in highly corrosive environments

SOLUTION

MCCs and LV Distribution Switchboards acc. IEC61439

1. Withdrawable. Internal separation form 4b
2. Internal arc resistance. Criteria 1 to 7, type C acc.to IEC TR 61641
3. EATON MODAN-S System
4. EATON switchgears
5. FULLY Arc-free vertical busbar area
6. Gold plated power contacts

RESULT



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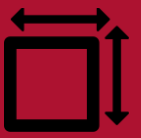
Benefits of the solution:

Ensures the availability and safety of operations and maintenance personnel

BENEFITS



Corrosion resistant



Compact, optimal use of available space



Maximum safety for operations and maintenance personnel



Fully removable, supports hot system modification

MODAN-S: A solution with the highest level of availability, compliant with IEC standards and with the highest level of safety for maintenance and operations personnel. Modular design that adapts to space limitations without affecting Performance.





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