

Medium and Low Voltage Electrical Systems for Nuclear Plants

Framatome's Medium and Low Voltage Systems ensures full compliance with standards, nuclear codes and plant specific requirements while enhancing plant safety and reducing plant downtime and cost of repair and replacement.

Challenge

New-build or modernization projects specify safety-relevant MV and LV systems according to applicable standards, nuclear codes and additional plant-specific requirements. The system integrator faces many challenges:

- Incorrect component dimensioning
- Ill-suited interface selection
- Failure during Emergency operation
- Software Qualification issues
- Seismic margins

If any one of these is not compliant, NPP operators or safety authorities will refuse to approve it because such a failure could have significant impact on operation

Solution

Glass-to-metal sealed electric conductors inside the EPA permit Framatome's Medium and Low Voltage Systems ensures full compliance with standards, nuclear codes and plant specific requirements while enhancing plant safety, reducing plant downtime and cost of repair and replacement.

Framatome's OEM system experience, numerous modernization projects and recent design of new plant types enable us to meet and exceed the requirements and offer optimal systems in term of safety, downtime and costs of repair/replacement. meet the requirements of containment of any NPP type.



Medium Voltage Feeder

Customer benefits

- Ensure full compliance with standards, nuclear codes and plant specific requirements
- Enhance plant safety with increased robustness in case of irregularity of severe accident
- Reduce downtime with rapid implementation
- Reduce costs of repair and replacement

Your performance
is **our** everyday **commitment**

Technical information

Framatome's Service for Medium and Low Voltage Systems for Nuclear Plants:

- Engineering and Design
- Interface Specification
- System Qualification
- System Integration
- Seismic and Vibration testing
- Procurement and Delivery
- Erection and Commissioning



Low Voltage Feeder

References

- German Fleet
- Angra 2
- Kozloduy
- Taishan 1&2
- Mochovce
- Leibstadt
- Angra 3

Key figures

- Better knowledge of authorities requirements worldwide
- Enhanced safety through OEM system experience
- Better response-time through mobile on-site teams

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