framatome

Analysis, Calculation, Dimensioning

Engineering of Electrical Systems

Comprehensive expertise in analyzing, calculating and dimensioning of Electrical Systems and auxiliary components

Challenge

The operation of a NPP with respect to their economic reliability and safety aspects often require careful dimensioning of systems and components. To ensure this, the support of a competent partner is highly recommended

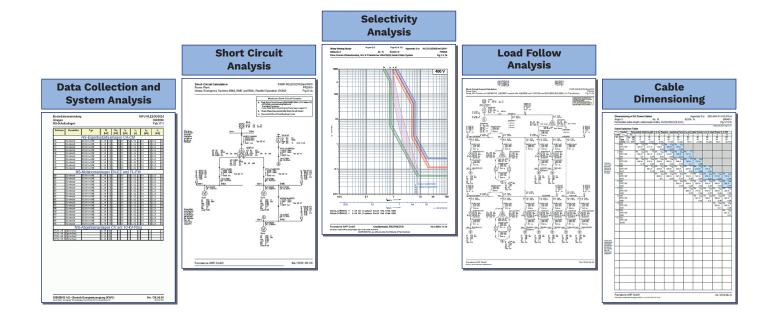
Solution

Framatome offer their technical expertise, gained during their international long-term experience with all types of NPPs, as well as conventional plants.

Applying this knowledge, we are able to provide all consulting services throughout the lifecycle of the NPP, beginning with the conceptual design phase up to the operation phase. We also provide the necessary documentation in accordance with both customers' and Framatome's internal quality assurance requirements.

Customer benefits

- Ensures the safety of nuclear plants and the compliance with regulations
- Improves lifecycle support modernizations and LTO
- Increases robustness in case of irregularity or severe accident
- · Increases plant security
- Reduces downtime with rapid implementation



Your performance is our everyday commitment

Technical information

Consulting

Providing technical/economical concepts, tailored to specific requirements, considering the applicable regulations and guidelines at the time

Conceptual design

Dimensioning of systems according to predefined requirements

System design

Analysis and dimensioning of electrical systems based on long-term experience and knowledge

Dimensioning

Accurate design of equipment and components for high availability under economic and safety aspects

Analysis

Selectivity study and determination of protection relay settings Priority analysis of the sequentially load connections

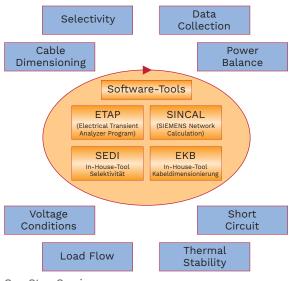
Calculation

References

Short circuits, simultaneous voltage drop and load flow and motor start analysis under normal and emergency conditions

Tools

Usage of nuclear qualified calculation tools and in-house developed tools



One Stop Services

Key figures

40 years experiences in Analysis, Calculations and Dimensioning of Electrical Components, Protection and Cables.

160 power plants in our reference lists

100.000 and more Components and Cables are analyzed and dimensioned

Electrical Analysis Project since 1974 Slovakia Nuclear Power Plant: 42 Fossil Power Plant: 118 Fossil Power Plant: 118 Openmark Germany Switzerland Fairon Great Britain Frairon Foreco Spain Portugal United Arab Emirates

■ Republic Southafrica

Contact: electrical-systems@framatome.com www.framatome.com

Chile —

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