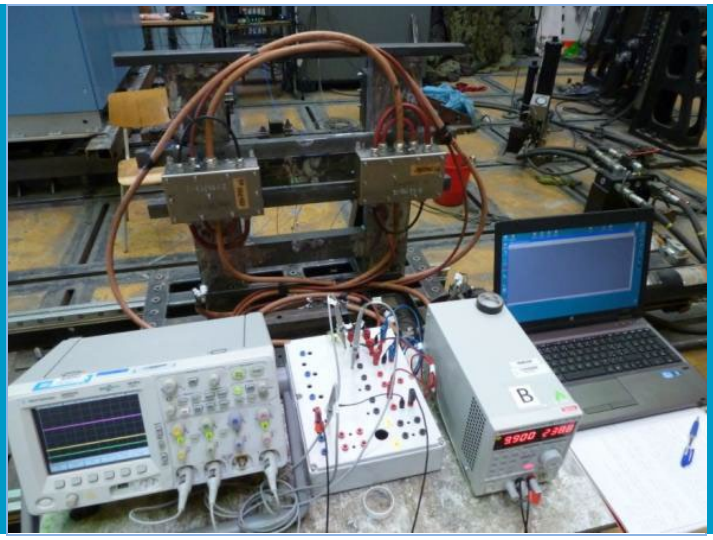
NUCLEAR RESEARCH INSTITUTE

Radiation Chemistry and Environmental Qualification Department
Integrity and Technical Engineering Division



EQUIPMENT QUALIFICATION PROGRAMME

Functionality check during seismic test

Value for customers

- Well established equipment qualification (EQ) programme allows safe operation including managing with respect to design basis events (DBEs)
- Complex services from design inputs, EQ programme design, through test specifications and performance, qualified status maintenance to equipment requalification for LTO
- All laboratory work is performed at an internationally acknowledged accredited laboratory
- Latest research results for ageing and accident conditions simulations considered

Application

- Nuclear power plants and other nuclear facilities

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What we offer

- More than 25 years of experience
- Complex services including EQ programme development, EQ specifications, tests, hot-spots monitoring, operational condition monitoring, requalification of equipment
- Environmental, seismic and EMC qualification
- Design basis and severe accident EQ for cables, sensors, engines, sealing, painting, cable penetrations, couplings and connectors, insulation, lubricants, …
- Accredited testing laboratory according to ČSN EN ISO / IEC 17025: 2018 working in compliance with 10CFR50 Appendix B

Our references

- Performance of all aspects of EQ programme for Dukovany and Temelin NPPs, Czech Republic
- Support of other NPPs (Metsamor, Armenia)
- International cooperation within the IAEA, OECD / NEA, EPRI and the EU
- Hosting in cooperation with IAEA annual international conference on EQ

Cobalt-60 irradiation chamber