

DEFENSE



## ACCELERATED AGEING UNDER IRRADIATION

### Extreme environments

- faithful reproduction of particular irradiation, temperature and atmosphere conditions, treatment of active materials

### Experimental approach

- irradiation of metallic or non-metallic materials, irradiated or control samples characterisation

### Safety culture

- standards and specific requirements knowledge, equipment reliability, nuclear regulator authorisation

NUCLEAR

**Materials and electronic systems intended for the nuclear industry** must meet the design & construction rules for electrical equipment (RCC-E) requirements in order to **ensure continuity of service** in hostile environments and establish the appropriate preventive maintenance plan.

ATRON's capabilities of irradiation of matter samples under electrons or X-rays beam at controlled temperatures allow a **fine assessment of irradiation effects on matter**, including during accidental situations.