

AMALTO+2027

AGEING MANAGEMENT AND LONG TERM OPERATION CONFERENCE

Information Sheet

Ageing Management and Long Term Operation (AMALTO) Conference 2027

Organized by ÚJV Řež

in cooperation with the International Atomic Energy Agency (IAEA)

Řež (Prague Region), Czechia

27–30 April 2027

Effective Ageing Management and Long Term Operation of Nuclear Power Plants and Research Reactors

Background

The outlook for nuclear energy has evolved considerably in recent years, driven by rising energy prices, the need to ensure long term energy security, and the growing recognition of nuclear power as a stable and low-carbon energy source. These developments have encouraged many nuclear power plant (NPP) operators to explore options for long term operation (LTO), including operation beyond 60 years.

Research reactors, many of which have been in service for many decades, face similar challenges associated with extending operational lifetimes. These include both physical ageing and non-physical ageing (obsolescence) of structures, systems, and components, as well as evolving operational and regulatory expectations.

Effective ageing management remains a fundamental element in ensuring the safe, reliable, and economically viable operation of nuclear power plants and research reactors. Its success depends on systematic implementation throughout all phases of a facility's lifecycle, from design and construction through commissioning, operation, and preparation for LTO.

Objectives and Content of the Conference

ÚJV Řež is committed to bring together leading initiatives and key stakeholders in the nuclear industry to promote cooperation and knowledge exchange. With more than 70 years of experience in the nuclear sector, ÚJV Řež provides a broad range of services in nuclear energy, industry, and health. In cooperation with its partners, the conference content reflects a shared vision for a safe and sustainable nuclear future.

The Ageing Management and Long-Term Operation (AMALTO) Conference 2027 is organized by ÚJV Řež in collaboration with the International Atomic Energy Agency (IAEA). It builds on the experience gained from numerous international conferences hosted at the ÚJV Řež Conference Centre, including the Equipment Qualification in Nuclear Installations Conference series.

Managers, executives, and technical experts in ageing management and LTO will come together to exchange experience, share lessons learned, and discuss future developments and common challenges related to existing and future nuclear facilities.

Given that pressurized water reactors, including VVER designs, represent the most common reactor technology worldwide, they will constitute a primary focus of the conference. However, dedicated sessions will also address research reactors and other operating NPP designs to ensure broad relevance across the nuclear community.

The conference sessions will address **organizational and technical aspects of ageing management and long-term operation**, covering operation **up to and beyond 60 years**. Experts will present practical experience from the implementation and continuous improvement of systematic ageing management programmes. In addition, the conference will cover activities related to LTO justification and demonstration, such as periodic safety reviews and licence renewal processes, from both **operator and regulator perspectives**.

Key Topics

The AMALTO Conference 2027 will focus on the following topics:

1. Implementation of ageing management in the early phases of the NPP lifecycle
2. Challenges in effective ageing management supporting safe and efficient LTO
3. Ageing management strategies and best practices for research reactors
4. Approaches and lessons learned from preparation for safe LTO
5. Technical and strategic challenges associated with LTO beyond 60 years

By participating in AMALTO 2027, attendees will engage in technical presentations and discussions with energy utilities, vendors, regulators, and other stakeholders representing the global nuclear community. The conference will provide a unique opportunity to exchange knowledge and expand professional networks.

Target Audience

The conference is intended for managers and experts from nuclear organizations, including:

- Nuclear power plant and research reactor operators
- Technical support organizations
- Nuclear regulatory authorities
- Universities and research institutions
- Vendors and service providers

Participants are expected to have knowledge and experience in **ageing management and LTO of nuclear power plants and research reactors**.

Registration and Fees

All participants must register via www.amaltoconference.cz

Registration deadline: 30 November 2026

Participant Category	Fee
Standard participant	€299
Academia & Government*	€199

* Discounted fees apply to participants from universities, regulatory authorities, and international organizations.

All fees are subject to **21% VAT**.

Full payment must be received prior to the event. Failure to comply will result in refusal of on-site entry.

Registration Fee Includes

- Access to all conference sessions and panel discussions
 - Lunches on conference days
 - Coffee breaks and refreshments
 - Official conference banquet dinner
 - Access to all presentations and background materials from (keynote) speakers
 - Technical tour on **30 April 2027**
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Cancellations

Substitute delegates may attend at no additional charge.

Sponsorship and Exhibition Opportunities

Two sponsorship packages and exhibition opportunities are available. For details, please visit www.amaltoconference.cz.

Venue, Accommodation, and Logistics

Venue

ÚJV Řež Conference Centre

Řež–Husinec, Czechia

Convenient transport connections to Prague city centre and Václav Havel Airport.

Address

ÚJV Řež, a. s.

Hlavní 130

250 68 Husinec–Řež

Czechia

Accommodation

Participants are advised to book accommodation near **Masaryk Railway Station in Prague** (Masarykovo nádraží, Praha in Czech language). Trains run every 20–30 minutes during peak hours, with a travel time of approximately 20 minutes to Řež. Further accommodation information is available at www.amaltoconference.cz.

Logistics

From Řež railway station, cross the pedestrian bridge over the Vltava River to reach the main entrance of ÚJV Řež. The Conference Centre is located on the right-hand side. **Please bring a valid passport or ID.**

Contact

For further information, please visit:

www.amaltoconference.cz/contact

The organizing committee will be pleased to assist you.

Kind regards,

Robert Křivánek

Chairman of the Organizing Committee

Jan Kander

Member of the Organizing Committee

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