In order to improve the performance of nuclear industry technologies maintaining safety, VTT develops and verifies new solutions and materials for the industry.

**You can work with us in many ways:**
- **Contract research projects** tailor-made, providing confidential results
- **Jointly-funded public projects** carried out and funded in cooperation with businesses and public funding such as EU, national funds etc., with shared costs, risks, results and benefits
- **Knowledge transfer projects** to develop skills and capacities within your organization to cover long-term needs
- **IPR licensing** with methods, tools, and techniques.

**Our commitment to high quality:**
- Skilled and motivated personnel, well-maintained and safe facilities
- Accredited key testing, inspection and calibration methods
- VTT quality management system certified for ISO 9001:2000

Get in touch with us:

**Matti Paljakka**  
Solution Sales Lead  
+358 20 722 6423  
matti.paljakka@vtt.fi

**Erika Holt**  
Customer Account Lead  
+358 40 593 1986  
erika.holt@vtt.fi

**Denis Sevelev**  
Customer Account Lead  
+358 40 183 0450  
denis.sevelev@vtt.fi

**Centre for Nuclear Safety**

Including new hot cells

[QR Code for www.vttresearch.com/nuclear]
The VTT Centre for Nuclear Safety is Finland's new infrastructure for ensuring safety and efficiency in nuclear power generation and radwaste management, through experimental and computational R&D services.

VTT is committed to ensuring a nuclear facility's safety, sustainability and profitability through the life span. We address challenges facing customers with new-build projects, operation and maintenance, decommissioning and waste management. VTT is a trusted partner of nuclear power companies, waste management organizations, nuclear regulators, and equipment and plant suppliers.

VTT offers a unique set of sophisticated experimental facilities, analysis and modelling software, and professional staff with multi-technological background and state-of-the-art knowledge from research projects and collaboration with industry. VTT is impartial and independent, and respects the requirements concerning independence of methods and tools as well as experts and management.

**Flexible multi-scale experimental and material testing environments**

By using VTT’s infrastructure, customers are able to study irradiated and non-irradiated specimens to investigate deterioration caused by stress corrosion cracking, irradiation, corrosion, erosion, vibration, thermal fatigue, thermal ageing etc. Nano-, micro- and macro-scale material characterization and modelling are being used to identify root causes and solve customer’s challenges in plant life management.

**Our facilities include:**
- Hot cells for irradiated specimen testing
- Radiological labs
- Metallography labs
- Microscopy (LOM, SEM, TEM)
- In-cell cutting and welding for specimen preparation and reconstitution
- Simulated primary circuit testing environments, autoclaves
- Non-destructive examination and testing facilities
- Aircraft impact testing facility
- Computation and modelling software and platforms

VTT offers analysis of test results and impact assessment. Our nuclear expertise is coupled with support from nuclear physics, thermal, mechanical, civil engineering, chemistry and other domain experts.