

# NUCLEAR DECOMMISSIONING SERVICES

TECHNICAL AND ADMINISTRATIVE  
SUPPORT FOR THE DISMANTLING OF  
NUCLEAR FACILITIES



# RESPONSIBLE DECOMMISSIONING

PROVIDING SUPPORT THROUGHOUT ALL  
PROJECT PHASES – FROM PLANNING  
TO FINAL STORAGE DOCUMENTATION

## EXPERTISE IN NUCLEAR DECOMMISSIONING AND RADIOACTIVE WASTE DISPOSAL

The decommissioning of nuclear facilities is a key component of corporate responsibility in the nuclear sector. Operators are obliged to comply with all legal requirements and implement comprehensive safety measures – not only to meet regulatory requirements, but also to protect people and the environment and to minimise potential risks in the decommissioning process.

Decommissioning of nuclear facilities and handling of radioactive waste and residual materials, right through to clearance or final storage, regularly confronts operators with complex technical, administrative and legal challenges.

In order to meet these challenges holistically and efficiently, Bureau Veritas, in cooperation with Hinneburg, provides a comprehensive and specialised portfolio of services that supports operators throughout all phases of the decommissioning process – from planning and implementation to the final disposal of radioactive waste.

## LONG-TERM EXPERTISE FOR GREATER SAFETY AND QUALITY IN THE NUCLEAR INDUSTRY

With decades of experience in the nuclear sector and a comprehensive portfolio of services covering the entire life cycle of nuclear facilities, Bureau Veritas supports operators of nuclear facilities in their operation, decommissioning and disposal. The comprehensive solutions range from planning and implementation to final documentation and ensure the highest safety and quality standards.

Since 1 September 2025, customers have benefited from a specifically expanded service portfolio following the acquisition of Hinneburg. With over 40 years of experience, Hinneburg is known for tailor-made solutions in the fields of nuclear technology, radiation protection and shielding. The integration of the company particularly strengthens Bureau Veritas' expertise in the field of nuclear decommissioning.

**HINNEBURG GmbH**  
A BUREAU VERITAS COMPANY



**BUREAU  
VERITAS**

# NUCLEAR DECOMMISSIONING SERVICES

MAXIMUM SAFETY &  
EFFICIENCY IN NUCLEAR  
DECOMMISSIONING

## OUR SERVICES AT A GLANCE

Decommissioning of nuclear facilities is a practical form of sustainable environmental protection – from processing of radioactive contaminated residues and the safe interim and long-term storage of radioactive waste down to creating a “green field”. With our comprehensive service portfolio and Hinneburg’s many years of expertise, our Nuclear Decommissioning Services provide support in the following areas:

- Decommissioning planning and waste processing
- Waste management planning
- Packaging planning
- Final storage documentation
- Radiation protection personnel for operation and decommissioning
- Shielding
- Operational dismantling and melting of steel and lead components
- Support for operation and new construction

## DECOMMISSIONING PLANNING AND WASTE PROCESSING

Precise planning and safe handling of the resulting residual materials are crucial when dismantling nuclear facilities. Our services combine technical expertise with many years of experience, including:

- Variant planning and analysis for dismantling and clearance
- Process, logistics and material flow planning
- Residual material management planning
- Preparation of service specifications and support with implementation
- QA services for nuclear facilities
- Technical building equipment (TBE) for the dismantling of nuclear facilities





## PACKAGING PLANNING

The selection of suitable final storage containers is of fundamental importance for disposal and offers enormous potential for optimisation. As part of packaging planning, we provide support in the following areas:

- Optimal container selection and packaging configuration
- Estimating the number and type of containers required
- Technology and waste qualification as well as loading planning for the manufacture of final storage containers
- Planning of waste campaigns
- Approval planning

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## FINAL STORAGE DOCUMENTATION

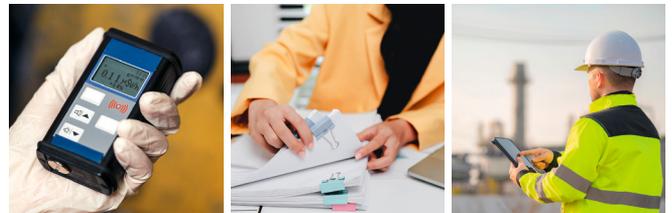
All information from dismantling, disposal and packaging is included in the final storage documentation. This is necessary for subsequent transfer to the final storage facility or the transfer of responsibility to the final responsible body, e.g. the government. Our services in this area include:

- Storage documentation for existing radioactive waste (documentation creation, post-qualification and requalification)
- Planning and preparation of storage documentation
- Strategy development for verification in the storage process and for structuring waste documentation
- Support in the digitisation of documents and processes for nuclear waste disposal
- Training and further education of personnel for the disposal of radioactive waste and the documentation of final repositories

## WASTE MANAGEMENT PLANNING

Waste management planning is a key component of decommissioning and remediation projects. It encompasses the structured organisation of all material flows – from sampling and processing to safe recycling or disposal. The aim is to efficiently combine technical, legal and logistical requirements. Our services include:

- Creation of schedules
- Planning and registration of campaigns
- Implementation of all product control measures
- Material flow planning
- Concept development and planning for site and building remediation
- Sampling planning
- Documentation management
- Development of innovative remediation and disposal methods
- Coordination with authorities and experts





## RADIATION PROTECTION PERSONNEL FOR OPERATION AND DECOMMISSIONING

We train radiation protection specialists for deployment in operation and decommissioning of nuclear facilities, providing them with practical and theoretical skills. Our employee training courses cover the following qualifications:

- Radiation protection engineers (VGB)
- Radiation protection technicians (PSI)
- Radiation protection technicians (VGB)
- Radiation protection specialists (IHK)
- Radiation protection workers (VGB)

## SHIELDING

Measurement and evaluation of ionising radiation and the implementation of appropriate protective measures are considered central tasks in radiation protection. A particular focus is placed on minimising the radiation dose. From design to implementation, we provide support with a globally unique system as a complete solution for reducing radiation dose:

- Preparation of expert reports on the optimisation of shielding systems with regard to dose reduction and earthquake safety
- Planning of projects involving shielding measures
- Professional and effective temporary shielding
- Stationary shielding
- Trained personnel for installation

## OPERATIONAL DISMANTLING AND MELTING OF STEEL AND LEAD COMPONENTS

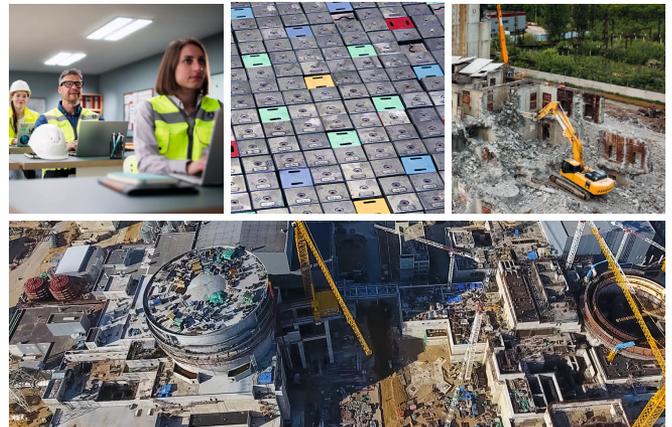
We offer comprehensive services to ensure the successful operational dismantling of nuclear facilities, including the construction of decontamination facilities, lead and sodium melting facilities, and the dismantling and decontamination (D&D) of nuclear facilities. Our services include:

- Decontamination systems
- Sheet metal decontamination machines
- Scaffolding decontamination machines
- Maintenance & Servicing
- Provision and operation of lead smelting furnaces
- Melting of steel components in cooperation with a partner

## SUPPORT FOR OPERATION AND NEW CONSTRUCTION

With over four decades of experience in radiation protection, plant and equipment construction, and project management in maintenance operations, we provide reliable and competent support to operators and project developers of nuclear facilities – both in ongoing operations and in new construction. As an established solution provider, we take on complex challenges and develop tailor-made solutions. Our services include:

- Radiation protection
- Plant and equipment construction
- Project management in maintenance operations
- Assembly services
- Support in the development of innovative reactor concepts for radiation protection, material selection and approval procedures
- Support for new technologies





## COMPREHENSIVE SERVICE PORTFOLIO & MANY YEARS OF EXPERIENCE IN THE DECOMMISSIONING OF NUCLEAR FACILITIES

Safe decommissioning, legally compliant disposal and sustainable environmental protection – with the Nuclear Decommissioning Services from Bureau Veritas and Hinneburg, you receive the complete package for efficient and risk-minimised decommissioning of your nuclear facilities.

## YOUR ADVANTAGES AT A GLANCE



### Certified according to KTA 1401:

Fulfilment of the safety requirements established by the Nuclear Safety Standards Commission (KTA) for activities in nuclear facilities



### Comprehensive project support:

Support throughout all phases of decommissioning – from planning to final storage documentation – from a single source



### Technical and administrative support:

Comprehensive support for complex technical, legal and organisational requirements



### Efficient and sustainable disposal:

Optimised packaging, disposal and documentation processes ensure safe and environmentally friendly waste treatment



### Highest safety and quality standards:

Decades of experience and certified expertise ensure maximum safety during decommissioning and disposal

## WHY BUREAU VERITAS?

### PROFESSIONAL KNOW-HOW

Our inspectors are highly qualified and are chosen according to the specific needs of the customers and their products.

### INTERNATIONAL NETWORK

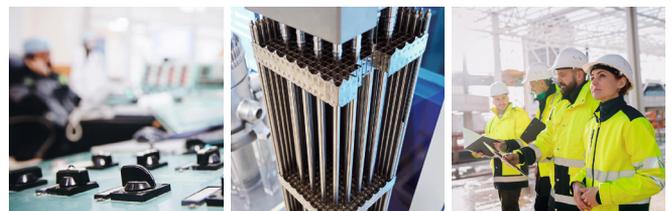
Bureau Veritas is present in 140 countries with more than 84,000 employees and an extensive network of experts. We offer a unique combination of international presence and local expertise.

### INDEPENDENCE & IMPARTIALITY

Our tests, inspections and audits are conducted in a neutral, independent and impartial manner.

### CUSTOMIZED SERVICE

Bureau Veritas defines your individual requirements on the items to be audited, regulatory requirements and specificities of your project.





## ABOUT HINNEBURG

With over 25 years of experience, Hinneburg GmbH—founded in 1986 by Dieter Hinneburg—is known for customized solutions in the fields of nuclear technology, radiation protection, and shielding. Working together with family and close colleagues, the company has developed pioneering concepts for reducing ionizing radiation worldwide.

Since September 1, 2025, Hinneburg GmbH has been part of the Bureau Veritas Group. Founded in 1828, Bureau Veritas is a world leader in testing, inspection, and certification (TIC). Bureau Veritas offers high-quality services to support you in the growing challenges of quality, safety, environmental protection, and social responsibility.

As a reliable partner, Bureau Veritas offers innovative solutions that go beyond confirming compliance with regulations and standards by reducing risks, improving performance, and contributing to the promotion of sustainable development.

Your contact

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