



Krantz

Products and solutions for
the nuclear industry

Krantz



Krantz

Your experienced, certified and efficient partner

Krantz GmbH is an expert in customised, requirement-oriented solutions for nuclear facilities, specialising in ventilation technology as well as filter and shut-off systems.

With 50 years of experience in the planning, construction, commissioning, maintenance and servicing in the technical building equipment area of nuclear power plants and research facilities, Krantz is able to cover the entire life cycle of your nuclear facilities right through to dismantling.

In doing so, customised special solutions with consistent compliance with the highest quality standards are the core competence of our experienced team of over 250 employees with many years of experience in nuclear technology.

Within Germany, we are represented by our own assembly, commissioning and maintenance personnel in almost every nuclear power plant and research centre. Internationally (Belgium, Japan, etc.) we are deployed in a large number of nuclear facilities. Our business division is currently on a sustained growth course.

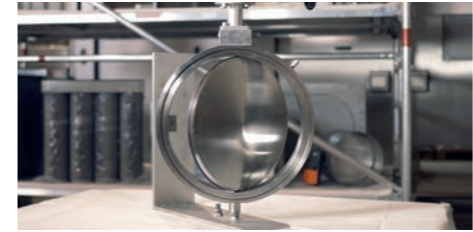
We intend to continue this in 2024 with the foundation of Krantz France, after having successfully established Krantz LTD in the UK in 2021. A new, state-of-the-art production facility for the manufacture of certified nuclear components, which was built in 2022, is located in Mallersdorf, Bavaria. This is a seamless continuation of the production facility at the same location, which has been in operation for over 40 years.

With our headquarters in the European city of Aachen and our sites in Saarbrücken and Essen, the distances to France are short.

Nuclear technology

- Nuclear power plants
- Nuclear research facilities
- Production and processing facilities for nuclear fuel elements
- Radiation laboratories and nuclear medicine
- Dismantling of nuclear facilities
- Storage facilities for radioactive materials
- Nuclear waste treatment plants
- Fusion facilities
- International research facilities, particle accelerators





Products & services

Customised solutions for the nuclear sector

Planning of technical building equipment for nuclear facilities

Krantz plans individual, requirement-oriented plants with interdisciplinary solutions and sophisticated measurement and control systems from the design to the implementation planning, including the preparation of all necessary approval documents.

Plant engineering

During delivery, installation and commissioning, our customers benefit from well-organised processes and an experienced team.

Products

Dimensioning, design and manufacture of adjacent components and products in our own production facilities, considering the applicable specifications and quality requirements.

Service and maintenance

Our employees provide maintenance, servicing, repairs, recurring tests and inspections for the entire life cycle of a plant.

Other services

Our range of services also includes dismantling measures, campaign qualification, sampling concepts, packaging planning, documentation and radiation protection planning.

Filter systems

- Particulate filter systems
- Activated carbon filter systems
- Cleanable filter systems
- Mobile filter systems
- Venting filters

Flap systems

- Gas-tight shut-off valves
- Pressure relief dampers
- Pressure surge dampers
- Check valves
- Multi-leaf dampers

Special solutions

- Drier plants
- Adjustment baskets
- Magazines
- Sealing bulkheads
- Dismantling tables





Advantages

Specialisation, know-how and experience

Guarantee for maximum safety

Krantz fulfils the highest technical and planning requirements, which are essential for the trouble-free and safe operation of ventilation systems in the nuclear sector. Many years of experience and consistent implementation of relevant standards and approval procedures form the basis for this.

Sound expertise

Thanks to our in-house Krantz Research & Development Centre, we offer our customers professional engineering, flexible measurement and test procedures as well as requirement-oriented systems of the highest quality and operational safety. Our expertise in the areas of radiation protection, screening calculation, licensing processes and quality management enables us to develop and successfully implement specific and innovative solution concepts.

Uncomplicated cooperation

Located close to the French border, the Krantz branch in Saarbrücken has approx. 40 engineering employees, some of whom speak French, with a wealth of know-how. In addition, there are employees from other locations and, in future, specialists from Krantz France.

Certifications

- Authorisation to work in third-party facilities in accordance with §25 of the Radiation Protection Ordinance
- ISO 19443
- NQA-1
- EN ISO 9001
- EN ISO 45001
- EN ISO 14001
- EN 1090-2
- EN 3834-2
- VDI 6022
- ASME NQA-1
- Sellafield Engineering Standards
- FRA/N/100/OL3



References

The satisfaction of our customers is our benchmark

Krantz has successfully developed and implemented numerous projects at home and abroad in the field of nuclear ventilation systems and emergency systems. We are continuously active for almost all nuclear power plants and nuclear research centres in Germany.

In addition, Krantz has been equipping leading national and international high-security bio-laboratories with high-performance certified filter and ventilation technology for decades, e.g. the Robert Koch Institute in Berlin, the Friedrich Löffler Institute for Animal Health, the Bernhard Nocht Institute for Tropical Medicine in Hamburg, the Pirbright Laboratory in the UK, various laboratories in the Scandinavian, Eastern Europe and Asian regions.

Examples of deliveries and services in French-speaking countries

- **EPR Flamanville**
Delivery of hydrogen mixing damper
- **Cadarache fusion reactor**
Delivery of pressure surge dampers
- **Doel NPP**
Delivery of venting filters for filtered pressure relief in the event of a fault, delivery of pressure surge dampers
- **ASTRIUM / SECOIA Maily**
Delivery of activated carbon filter systems and particulate filter systems, Supply of gas-tight shut-off valves
- **Tihange NPP**
Delivery of sluice systems including filter technology for discharging the dismantled channels





Contact

Our specialists look forward to your project



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