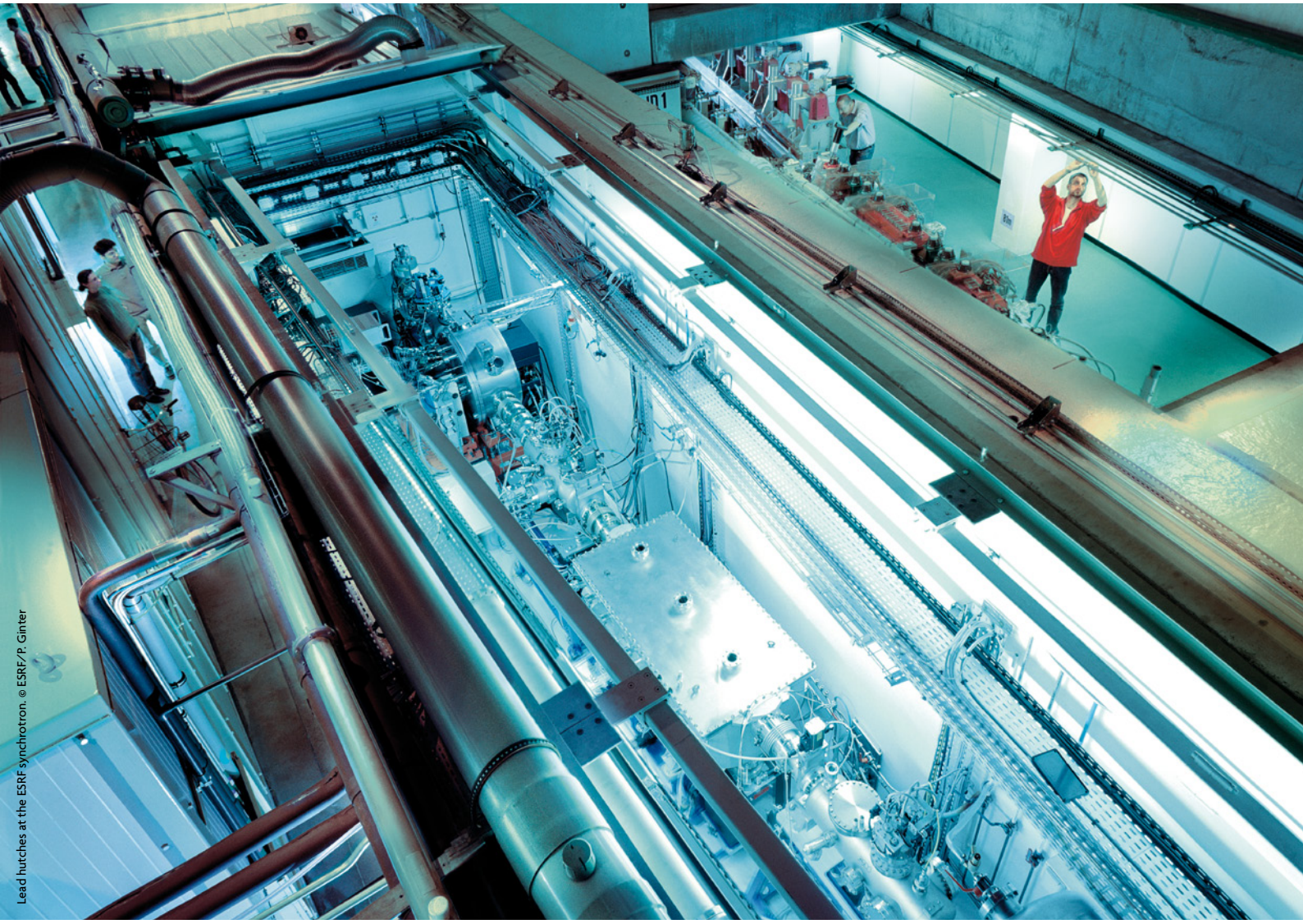
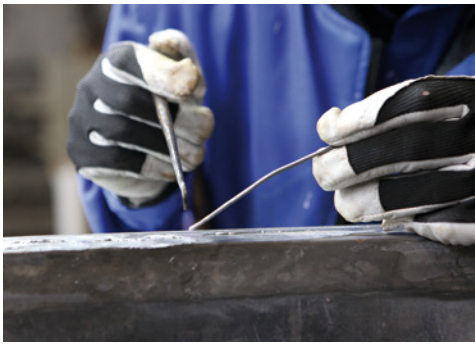
RÖHR + STOLBERG
Protection for Life



Lead hutches at the ESRF synchrotron. © ESRF/P. Ginter

Radiation protection

FOR RESEARCH, NUCLEAR POWER AND NUCLEAR WASTE DISPOSAL



RÖHR + STOLBERG

Your partner for radiation protection

Maximum shielding is top priority where dangerous levels of radiation are present. Radiation protection solutions from Röhr + Stolberg provide this assurance – individually tailored to your research, nuclear power or nuclear waste disposal project.

Röhr + Stolberg has the expertise to develop and execute complex and complete solutions to customer specifications. The company has supplied well-known organisations, including DESY, CERN, the Helmholtz Centre and the Fraunhofer Institute, as well as leading national and international companies in the nuclear power and nuclear waste disposal sectors.

To provide shielding from gamma and beta radiation as well as X-rays, Röhr + Stolberg processes lead – for neutron shielding other materials including boron carbide and HDPE may be used. Depending on customer requirements we can supply individual components, or take responsibility for the complete development and execution of complex radiation protection facilities.

EXPERTISE MADE IN GERMANY

- Radiation protection calculations
- Development, design, manufacture, installation
- Purchase and rework of used lead
- Joining and soldering technologies
- Bonding technologies – in particular lead bonding and X-READY
- Machining
- Casting technologies
- Forming processes
- Painting & metal coating

THE PORTFOLIO

Products and complete solutions

Container component
for the transportation and storage of nuclear waste

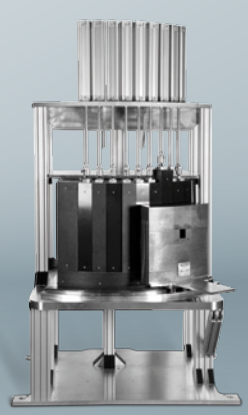
Shielding
for radiometric measurements

Hot cell

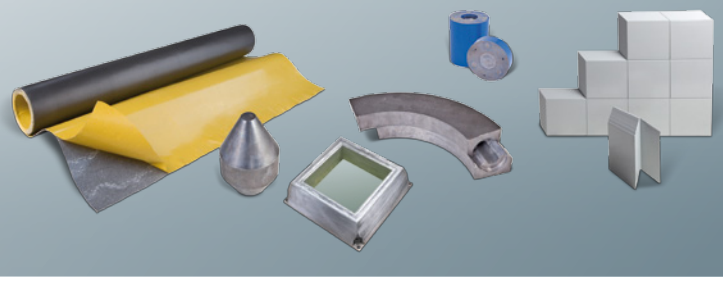
Electronic rack shielding

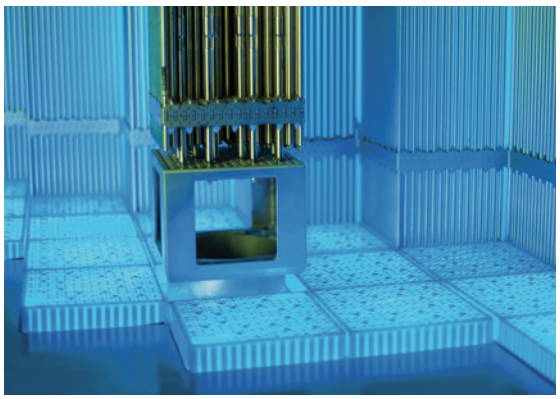
Manipulator tong ball

Non-destructive testing chamber



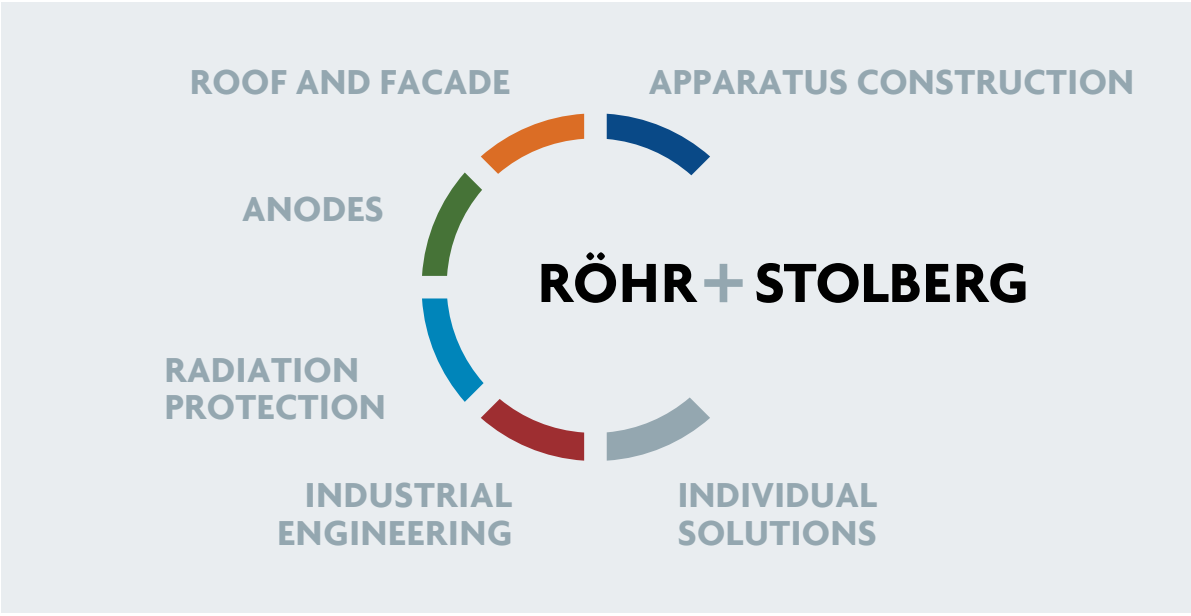
Components
Rolled lead sheets, panels, chevron rails, composite panels, lead bricks, pipe shielding, lead glass





OTHER PRODUCTS

- **Shielding for synchrotron hutches**
- **Shielding for radiation measuring equipment** for monitoring and contamination testing
- **Container for transport and storage** of nuclear fuel cells and ion exchange resins
- **Components made from low-activity lead**
- **Mobile shielding walls**
- **Lead wool, granulate, lead bond**



OUR COMMITMENT

Know-how for people and technology

Röhr + Stolberg is Germany's leading lead processor with more than 100 years of experience and know-how in almost all applications. An integrated quality management system enables achievement of the best production processes, work and environmental standards – for consistently high product quality. Continual innovation, strict hygiene standards and well-qualified staff at the site in Germany guarantee maximum protection of people and technology.

SUSTAINABILITY

Complete and certified environmental protection

The Institute Construction and Environment (IBU) e.V. has certified all Röhr + Stolberg rolled lead products with an environmental product declaration to ISO standard 14025. These products consist almost 100% of recycled lead and can be reused to save energy. Recycled lead is also used in all other products where this is allowed by the application.

SERVICE

Advice and service for every project

Custom solutions are often needed in order to achieve the best possible results – whether in radiation protection, technical applications or in the construction sector. Röhr + Stolberg engages with its customers and is able to respond flexibly to any requirement. Our application engineers offer customer training and advice either from our base in Krefeld, or at the customer site.

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A member of CALDER GROUP

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OHSAS 18001:2007