The long-term goal of the Helmholtz-Zentrum Dresden-Rossendorf (HZDR) is to conduct cutting-edge research in the areas of Energy, Health, and Matter. In strategic cooperations with national and international partners, the scientists work on new, urgent topics for the modern industrial society:

- How can energy and resources be utilized in an efficient, safe, and sustainable way?
- How can malignant tumors be more precisely visualized, characterized, and more effectively treated?
- How do matter and materials behave under the influence of strong fields and in the smallest dimensions?

To answer these questions, the HZDR uses large-scale equipment with unique experimental capabilities that attract researchers from all over the world.

By actively applying the research findings, the center contributes significantly to the future viability of society and the economy.

The HZDR is member of the Helmholtz Association.

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With more than 41,000 employees at 18 Research Centers and an annual budget of more than 5 billion euros, Helmholtz is Germany's largest scientific organization. Its work is rooted in the tradition of the great natural scientist Hermann von Helmholtz (1821–1894).

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