

Innovative solutions for industry and society with accelerator-based technologies

Hi-Acts – Helmholtz Innovation Platform for Accelerator-based Technologies and Solutions

The Hi-Acts innovation platform makes accelerator-based technologies more accessible for industry and medicine. The five Helmholtz Centers **Deutsches Elektronen-Synchrotron DESY**, **Helmholtz-Zentrum Dresden-Rossendorf**, **Helmholtz-Zentrum Hereon**, **GSI Helmholtzzentrum für Schwerionenforschung** and **Helmholtz-Zentrum Berlin** are pooling their expertise and offering access to their numerous accelerator facilities and research groups via one single point of entry.

Hi-Acts offers its members and partners unique opportunities for networking and co-creation through its portfolio. Industry partners benefit from numerous advantages. Partners can approach the network with a technological challenge via a compact process called **Hi-Acts-Connect** in order to find the right center expert with whom to develop joint solutions. Partners and members benefit from advice on technologies, patent issues, possible funding, further training opportunities and close dialogue within the growing network with proven experts and industries. The aim of Hi-Acts is to integrate pioneering deep-tech solutions more quickly into industrial value chains and thus accelerate sustainable innovation breakthroughs for society.

In addition, they can be co-partners and idea providers for the **Hi-Acts Use Case Initiatives**, a lean funding program within the framework of Hi-Acts. Furthermore, in interaction with the **Hi-Acts Technology Labs**, the players gain early insights into proven future topics: These range from novel AI solutions and radiopharmaceuticals to fight cancer to compact accelerators - for use in energy or medical technology, in the development of new smart materials or the production of high-performance semiconductors.

Use Case Initiatives – Up to twelve months funding

These Use Case Initiatives are open on an annual basis to all projects that can contribute to the Hi-Acts goal and are clearly linked to accelerators. Hi-Acts only funds initiatives that focus on applied research and development.

Important eligibility criteria include increased industry funding (e.g., through services), co-funded collaborations with industry and hospitals, licensing agreements and spin-offs, and demonstrable significant technical progress in the transfer of knowledge from research to practice.

We fund initiatives that:

- 1 Enhance accelerator technologies for industrial use by improving efficiency, reliability, testing, and reducing costs.
- 2 Target high-impact industries like medtech, pharma, semiconductors, and sustainable materials.
- 3 Develop new commercial services, including smarter data analysis and evaluation tools.
- 4 Bridge industry and science through training, collaboration, and innovative ideation formats.

Our Goal:

Solve current industrial challenges by providing short-term R&D and production solutions.

Funding Eligibility:

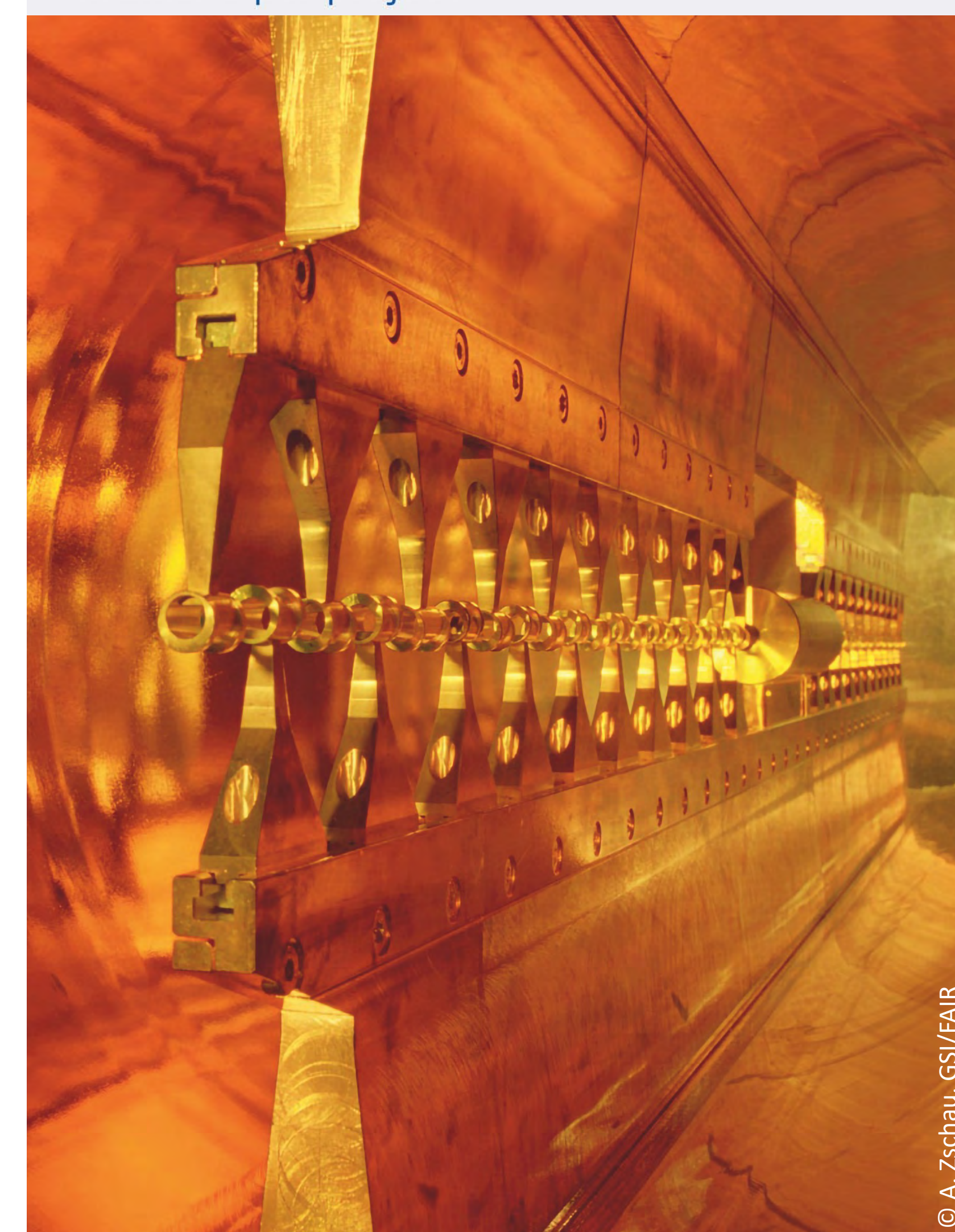
- Applied research and innovation focused on industry collaboration.
- Available for Helmholtz Consortium partners and cross-center initiatives.

Industry Benefits:

- Contribute ideas and impulses.
- Collaborate with scientists and access specialized know-how.
- Co-create and co-fund projects.

Funding Volume:

Approximately €50,000 available per project.



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Hi-Acts



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