

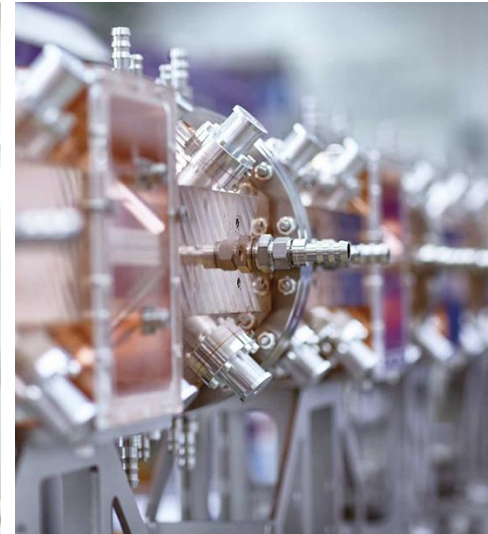
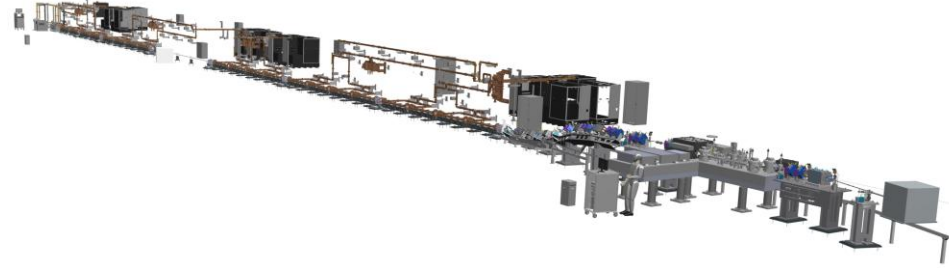


research
instruments

RI Research Instruments GmbH

Sustainable Procurement – A supplier Perspective

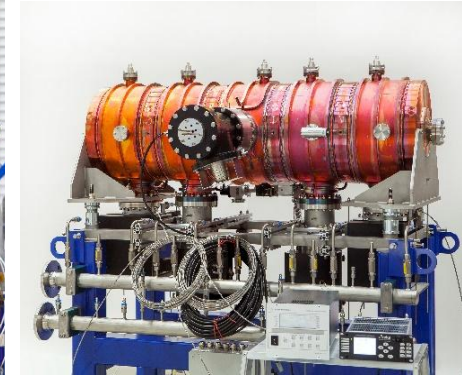
Dr. Benjamin Bromberger
IPAC 2026



Presentation of the Company

If you can think it, we can do it.

- Founded in 1994 as ACCEL Instruments GmbH – since 2009 named RI Research Instruments
- Annual revenue of 90 million EUR in 2024
- Majority (52%) owned by Bruker EST, Management team are additional shareholders
- Headquarters in Bergisch Gladbach, Germany, very close to Cologne
- 5 main high-tech business fields (Super- and normal conducting particle accelerators, Fusion, Semicon EUV tools, and Semiconductor supply chain)
- More than 150 employees are physicists or engineers



>400
and growing



Bergisch Gladbach
& Dortmund,
Germany



Customers in
>25 countries



30 years of
innovation

Do good & talk about it.

- Green electricity (since 2017)
- Taking data (since 2023) & reporting them
- Invest in better buildings & machines
 - Thermal insulation
 - Electrical heat pumps
 - New surface preparation
- E-cars
- Travel policy prioritizing train over plane
- Get ISO 140001 certification (planned for 2027)



[Download Report](#)

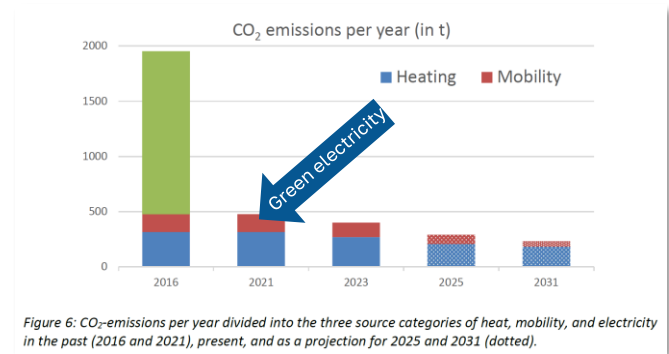


Figure 6: CO₂-emissions per year divided into the three source categories of heat, mobility, and electricity in the past (2016 and 2021), present, and as a projection for 2025 and 2031 (dotted).



Supply chain is key to achieve own sustainability targets for large companies

Sustainability is organized in dedicated department at our customer

Roughly 80% of CO2 emissions come from their supply chain (Scope 3) – including RI Research Instruments GmbH

To achieve own targets, big companies need commitments from their supply chain

“Science based targets” are used to objectivize aims and commit suppliers

A clear sustainability strategy and roadmap are valued and a substantial part in their supplier evaluation

Scope 3 emissions refer to all indirect upstream and downstream emissions that occur in a company's value chain, excluding indirect emissions associated with power generation (scope 2).



Customers must make sustainability part of their acquisition strategy:

- Materials, processes, design, shipment, etc.

Life Cycle Analysis of what we sell

Internal awareness & education

ISO 14001 Certification
(Environmental Management System)

Invest: buildings, energy supply, supply chain, education

Scope 3 analysis (Interview with supply chain)



Planned for 2027



Lehrstuhl für Technische Thermodynamik | RWTH AACHEN UNIVERSITY | research instruments

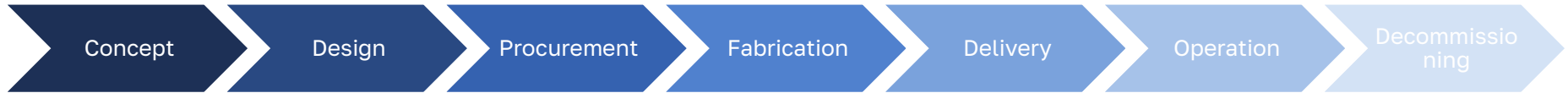
Life-Cycle-Assessment of Components for modern Particle Accelerators in Collaboration with RI Research Instruments GmbH

Waveguide-3 with absorbers
Waveguide-2
Waveguide-1
Power Coupler
Plunger Tuner
Body
Beam Port
RF Probe

Master Thesis 2026
Open position!

Do we see difficulties / Call to Action

Sustainability has to be planned from the start!



Facilities need to balance:

Expenses in **CapEx** vs. savings in **OpEx**

It has to be part of the procurement & somebody has to pay for it

Please agree on criteria & reporting across fields (coherent with ISO14001)




=> Is there an interest in a product return guarantee?

Thanks for your attention




- *Questions about the presentation?*

**Feel free to contact
us anytime.**

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