

Industrial research school

EXACT

Excellence in Advancing for a Circular Transition

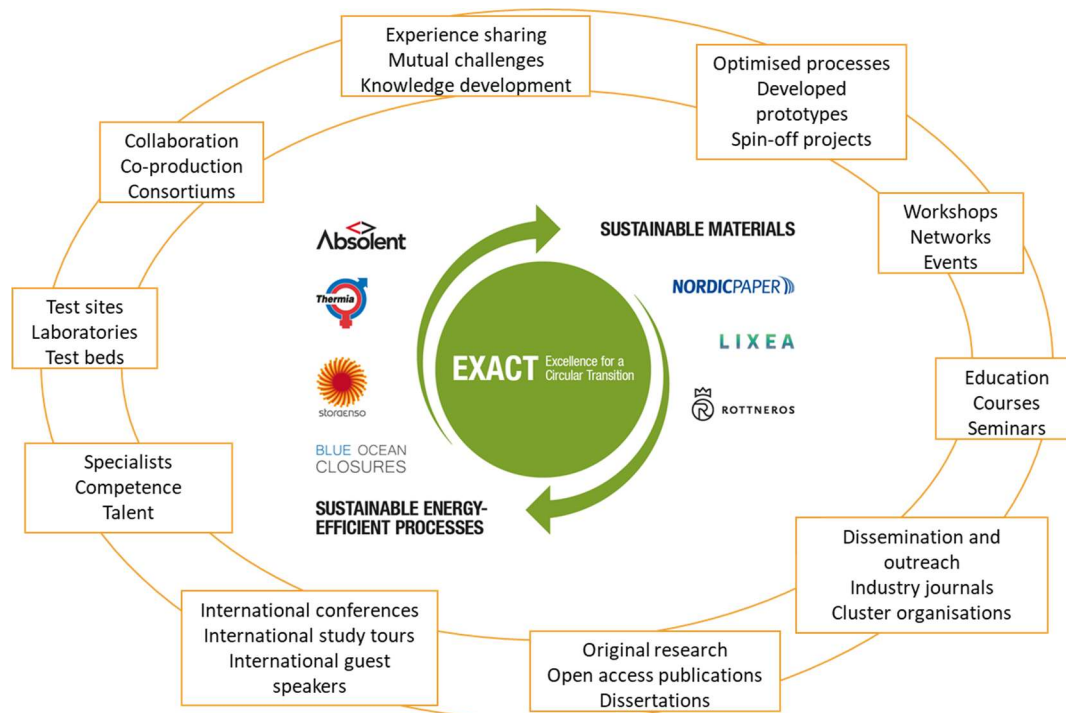
DOES YOUR BUSINESS HAVE

- A wish for more than 1.5 million SEK to conduct research?
- A desire to strengthen collaboration with the academia?
- A need to access the latest research?
- A new field you want to explore?
- Staff looking to further develop their skills?
- Recruitment needs?

We are now looking for up to twelve more PhD students to join our program!

EXACT is an industrial research school supported by the Swedish Knowledge Foundation. It fosters collaboration between academic researchers and industry partners.

Our vision is to drive the circular transformation and future-proof the Swedish process industry through innovative, needs-driven research.



EXACT has two focuses – sustainable materials and sustainable energy-efficient processes. EXACT is a collaboration between two strong research groups at Karlstad University – Pro2BE and DAMI– companies, and several industry partners. The aim of EXACT is to combine knowledge in process technology and systems analysis with expertise in digitalization to drive the necessary development of energy-efficient, digitalized production processes and high-quality bio-based products.

GOALS

- Develop an innovative industrial PhD program and educational network
- Establish university-industry collaboration and co-production for cutting-edge expertise and knowledge transfer to future-proof Swedish industry
- Contribute to scientific development through interdisciplinary research and innovation

NETWORKS AND RESOURCES

A significant advantage for companies participating in an industrial PhD school is the opportunities for networking, collaboration, experience exchange, and co-production. EXACT is designed to facilitate this both among companies and through collaboration with the industrial clusters Paper Province and Compare, with the educational and innovation center Glava Energy Center, with the collaboration platforms Tresearch and MIRAI, and with the industrial PhD school Resurssmarta Processer. EXACT is also supported by the industry organization Skogsindustrierna.

EXACT has access to regional testbeds, which will be useful for prototype development: Circle Lab with 3-D printing in Torsby, Lignocity in Bäckhammar, and UMV Coating Systems with a pilot coater in Säffle.

HOW TO PROCEED

If you contact us by email or phone, we will be happy to provide more information about our successful collaboration with companies and what it may lead to. We will prepare the application and carry out all the work until the application is approved.

If approved, the projects are planned to begin in 2027. We can add up to twelve more doctoral students and companies to EXACT.

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