Knowledge Foundation

Industrial research school

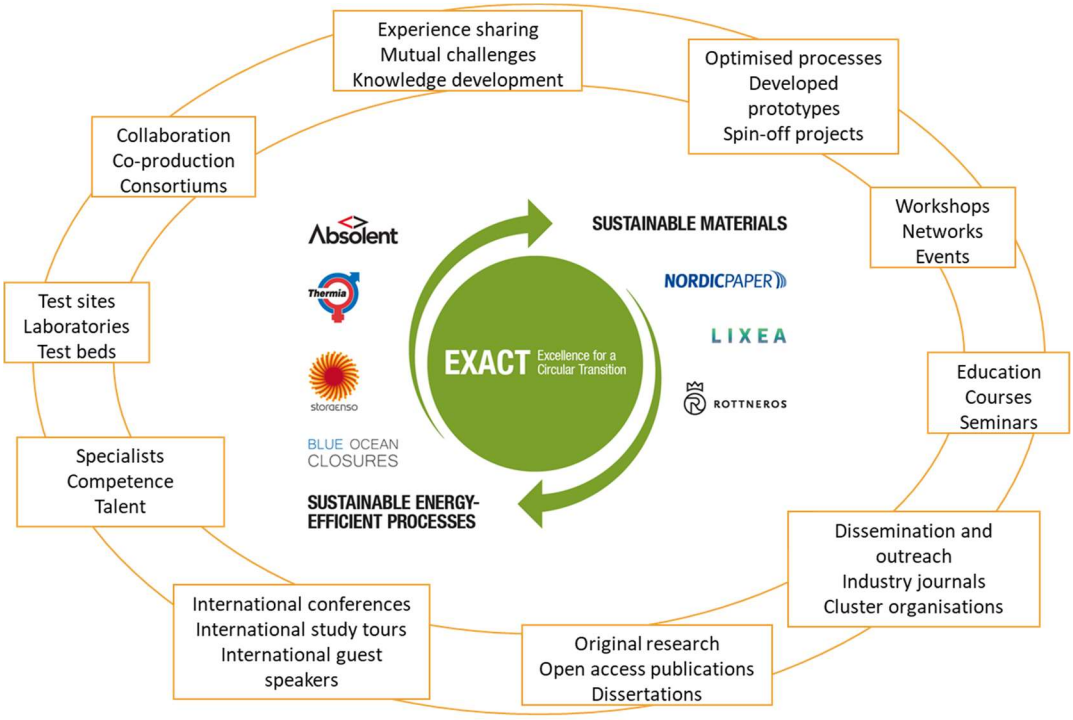
EXACT

Excellence in Advancing for a Circular Transition

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

DOES YOUR BUSINESS HAVE

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

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 Treesearch 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.

MORE DOCTORAL STUDENTS ON THE WAY!

We can now add up to twelve more doctoral students to EXACT. The new companies and PhD students will have access to the established structures, including doctoral courses, supervisor training, workshops, and mentoring sessions.

Questions?

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