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SCIENCE VILLAGE

BEAMS

FOR INDUSTRY

**SCIENCE
VILLAGE**
SCANDINAVIA



A background image showing a pair of hands, one with a yellowish tint and the other with a bluish tint, gently holding a translucent globe. The globe is positioned in the upper left quadrant of the image. The hands are positioned as if they are supporting the globe from below and behind. The overall color palette is soft and pastel, with a light blue background.

BEAMS for Industry was formerly known as **MAXESS Industry Arena**.

A scientist wearing a white lab coat, safety glasses, and blue gloves is working in a laboratory. The scientist is holding a test tube with a red liquid inside. In the background, there is a microscope and other laboratory equipment. The image has a light blue overlay.

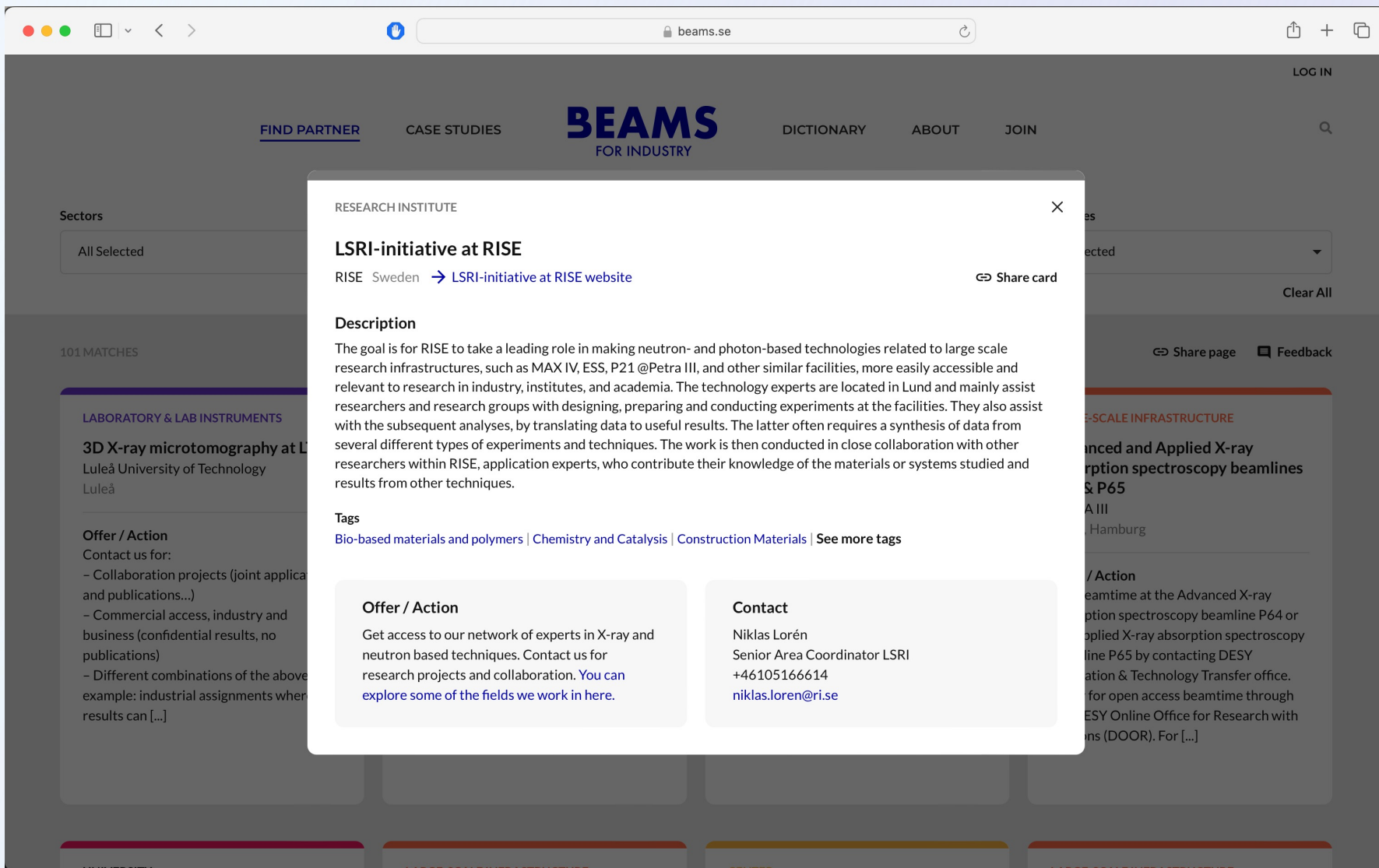
BEAMS is a platform for companies to find the necessary experts and instruments to understand and improve on their materials and processes.



[BEAMS.SE/FIND-PARTNER](https://beams.se/find-partner)

100 Experts and instruments

- Individual experts
- Research organisations
- Academic groups
- Networks
- Beamlines




A close-up photograph of two hands clasped together in a supportive grip. The hands are positioned with fingers interlaced, suggesting strength and solidarity. The image is overlaid with a semi-transparent blue filter, which serves as a background for the text.

[BEAMS.SE/CASES](https://beams.se/cases)

50+ Case studies with real world examples and results.

Cases - Beams

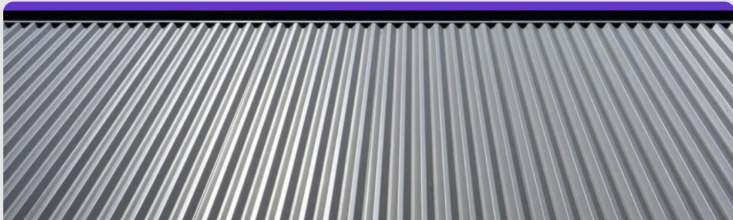
beams.se/cases/



Cleaner drinking water with neutron scattering techniques

Sweden Water Research AB
Oct 2018 - Aug 2019


Safe and readily available water is vital for public health, whether it is used for drinking, domestic use, food production, or recreational purposes. Sweden Water Research and ESS collaborated to explore how neutron scattering techniques can be used to develop more efficient water purification methods. Plastic use is ubiquitous in our modern-day society. Many plastic products contain the chemical bisphenol A (BPA), which is added [...]



Cleaner steel with synchrotron X-ray microtomography


SSAB
Nov 2018 - Mar 2020

Steel producer SSAB, the metal research institute SWERIM and the Research Institutes of Sweden (RISE) used synchrotron X-ray microtomography to explore ways to detect foreign particles in predefined steel. The results show that it is possible to detect tiny inclusions down to a size of <2.4 µm.



Complex ores meet synchrotron light

Boliden AB
Nov 2018 - Apr 2020



Converting non-reactive biomass ash into environmentally friendly cement

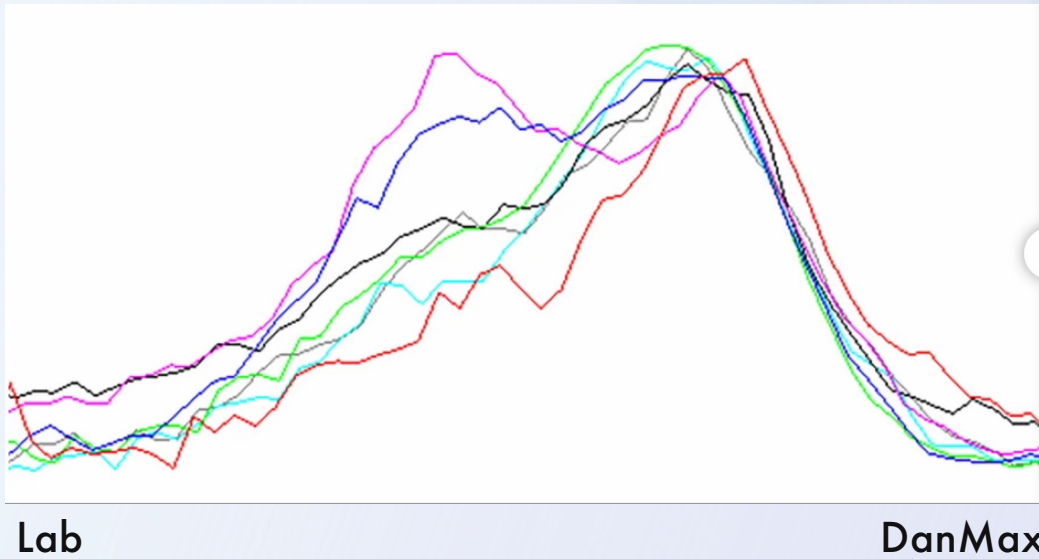
Renotech OY

Renotech Oy from Finland has developed a concept where biomass ash can be transformed into

https://beams.se/case/cleaner-drinking-water-with-neutron-scattering-techniques/

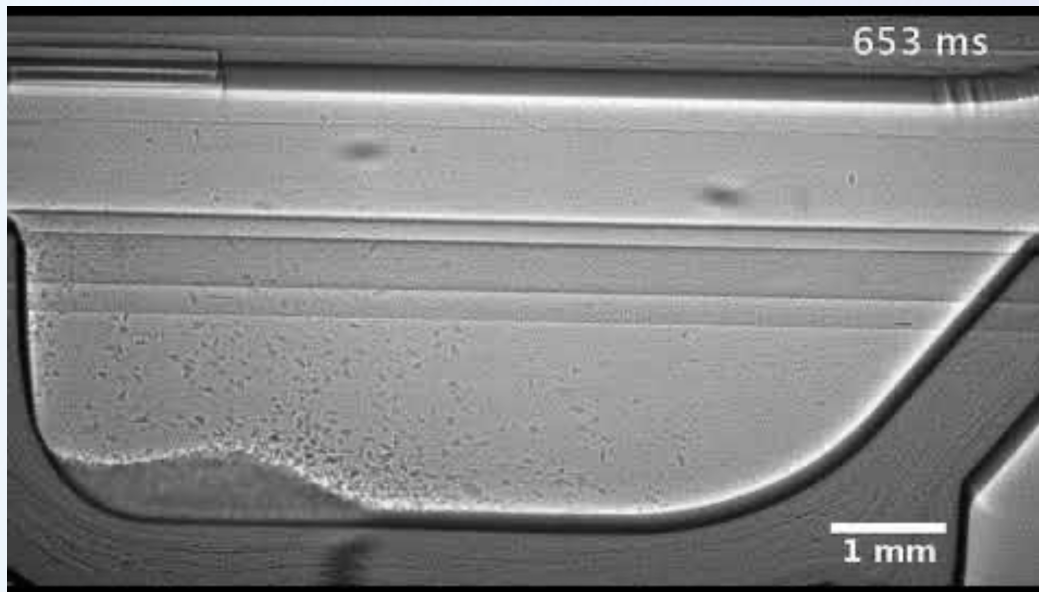
MAX IV to understand how

BEAMS.SE/CASES



MagleChemoswed
Investigating tablets

BEAMS.SE/CASES



Iconovo

Studying dynamic flows
in real time

MORE CURIOUS – But need a guide?

Wonder how MAX IV, ESS, DESY and a network of experts can support your development and competitiveness?

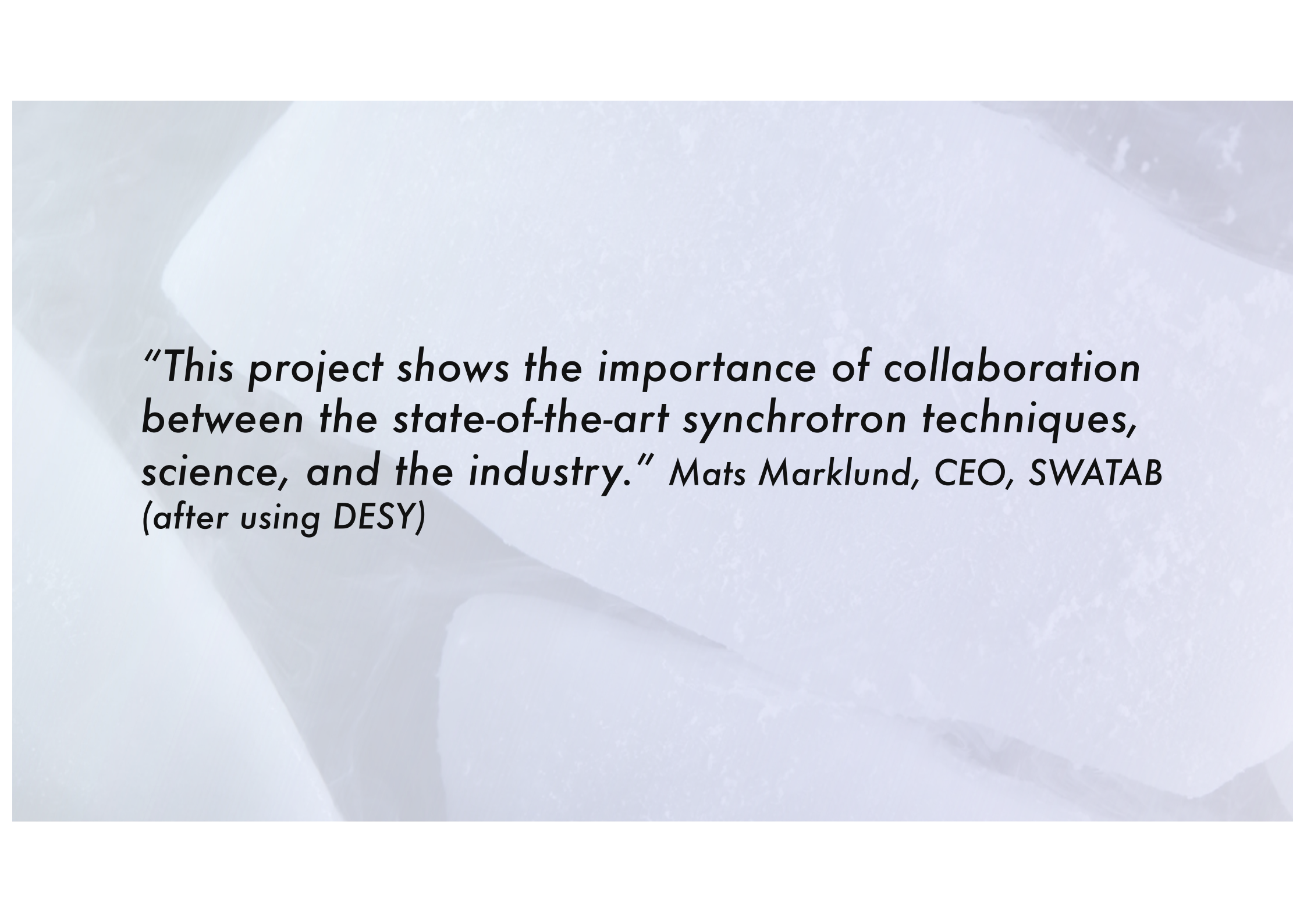
We'll be happy to talk, send an email to:

hello@beams.se

ALREADY AN EXPERT?

Do you have an offer that makes research at MAX IV, ESS and DESY available to other businesses? Join us! Send an email to:

hello@beams.se



“This project shows the importance of collaboration between the state-of-the-art synchrotron techniques, science, and the industry.” Mats Marklund, CEO, SWATAB (after using DESY)

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**Medfinansieras av
Europeiska unionen**

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