



MAX IV LABORATORY

The world's brightest synchrotron light source gives scientists and industry access to the highest quality X-rays for research projects in chemistry, biology, physics, environmental science, geology, engineering and pharmacology. MAX IV offers very fast measurement times of extremely dilute and thin samples.



EUROPEAN SPALLATION SOURCE (ESS)

The ESS research facility will provide new opportunities for companies in the fields of life sciences, energy and environmental technology. Neutron sources like ESS are the best tools for studying elusive hydrogen-based structures in detail. The road to a cleaner future may very well be driven with hydrogen fuels developed from neutron science at ESS.

DATA MANAGEMENT AND SOFTWARE

The Data Management and Software Centre (DMSC) is responsible for the acquisition and analysis of the scientific data from the ESS neutron beam instruments. The scope of work ranges from instrument control and data acquisition software to data visualization, analysis, modelling and simulation.

PROFESSIONAL ADVISORY SERVICES FREE OF CHARGE

Our advice and services are designed to help you find the right investment opportunities, the right business partners and the best location for your venture. We combine business intelligence and professional advisory services to match your company's specific needs.

FOR MORE INFORMATION PLEASE CONTACT:

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ARE YOU IN THE HYDROGEN AND FUEL CELLS BUSINESS?

WELCOME TO
GREATER COPENHAGEN
AND SOUTHERN SWEDEN

invest in skåne

COPENHAGEN
CAPACITY
Invest in Greater Copenhagen

Interreg
Öresund-Kattegat-Skagerrak
European Regional Development Fund



ESS & MAX IV:
Cross Border
Science and Society

THE IDEAL PLACE TO GROW YOUR FUEL CELL VENTURE

THREE MAIN REASONS ...



AN EXTENSIVE AND ACTIVE ECOSYSTEM

Join more than a hundred actors engaged in different stages of the fuel cell value chain; suppliers, end-users, manufacturers, providers of infrastructure and technology for hydrogen as well as fuel cell conversion and storage.



A PERFECT TEST BED FOR DEVELOPMENT

Advanced test labs and demonstration environments are available for hydrogen and fuel cell development and testing.



WORLD LEADING RESEARCH FACILITIES: MAX IV AND THE EUROPEAN SPALLATION SOURCE

State-of-the-art synchrotron and neutron scattering facilities provide unique possibilities for companies to advance their research on fuel cells. The facilities unite universities and provide top-level researchers within the field.

The Southern Sweden and Greater Copenhagen region provides unique opportunities for companies working with the development of fuel cell technology.

We seek cooperation partners and companies committed to investing in new alternative solutions to fossil fuels and in environmentally friendly operations.

“THE SECRET IS IN THE STACK”

... AND SEVEN MORE.

1 Ambitious goals of becoming fossil fuel-free societies

Targets are set to have a fossil fuel-free vehicle fleet in 2030. Sweden aims to be climate neutral by 2045 and Denmark fossil fuel-free by 2050. The countries have ambitions to reduce greenhouse gas emissions in the transport sector by 70% in 2030 (compared to 2010).

2 Top-notch research and talent pools

Technical University of Denmark and Lund University have dedicated resources for research in different types of fuel cells. First-class research institutions provide a skilled talent pool for companies as well as an enhanced R&D.

3 First in the world to receive hydrogen cars

As a result of a MOU between Toyota, Hyundai, Nissan, Honda and organizations from the Nordic countries, the first 15 hydrogen cars went to Denmark and Southern Sweden. This was part of the strategy to introduce FCEVs in the Nordic countries.

4 Major companies in the sector engage in innovation

AGA, Ballard Europe, Haldor Topsoe, M-Field, Sandvik, Serenergy SSAB, Vattenfall and Electrochaea to mention some.

5 Significant investments in R&D

Since 2001 private owned companies and public entities have invested around 270 million EUR in the development of hydrogen and fuel cells. We have a proven track record of innovative, forward thinking, public/private partnership investments in new cutting edge technologies. More than 250 projects have received public funding during the past years.

6 Incentives for vehicle registration for hydrogen fuelled cars

Tax exemption on vehicle registration for hydrogen fuelled cars in Denmark, and both Swedish and Danish goals to increase the number of hydrogen fuelling stations by 2019 make this an attractive region for the introduction of new fuel cell vehicles.

7 Strong collaboration between companies and suppliers

Projects like Biocat exemplify how companies can smoothly enter the hydrogen market by collaborating with suppliers. A cooperation on a wastewater treatment plant that today provides energy storage services to the Danish energy system.