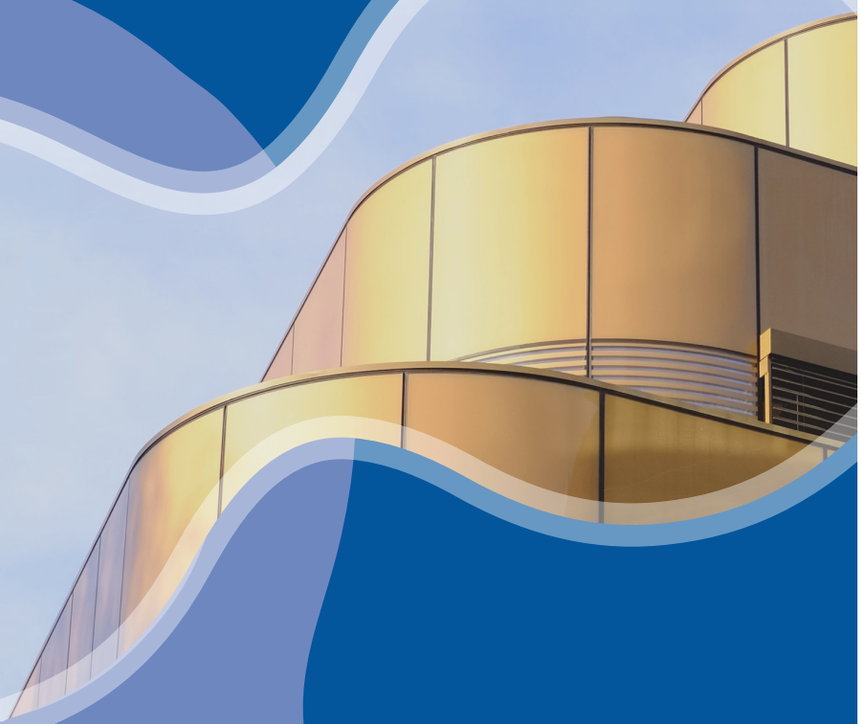

Johanneberg Science Park

Annual Report 2017

Johanneberg Science Park

The year in brief

Johanneberg Science Park was founded in 2010 and 15 partners have been linked to the company thus far - businesses and organisations with interests in our focus areas; Urban Development, Energy and Materials and Nano Technology. Together, we create interfaces between academia and industry to promote sustainable, knowledge-based growth in the region. Our activities have resulted in a number of national and international innovation projects and increased the establishment at the Johanneberg campus of Chalmers University of Technology.

Area development

In 2017, Akademiska Hus began the construction of JSP Stage 2, "A Working Lab", where innovation projects will take place both during and after the construction. A large part of the office space is already leased, and tenants including RISE, Akademiska Hus and Johanneberg Science Park are moving all or parts of their operations here. More tenants to further strengthen the co-creational environment in the area are being recruited. The initiative "Etablera" [Establish] was launched by Johanneberg Science Park, Chalmers, Akademiska Hus and Chalmersfastigheter, including a website, a magazine and social media content as parts of a targeted campaign aiming to increase the interest in establishing in the area.

Projects

Johanneberg Science Park has increasingly consolidated its position as a significant node within Urban Development, Energy and Materials, and is initiating, leading and participating in an increasing number of relevant innovation and development projects. The experiences obtained, particularly by using the campus area as a testbed, have laid ground for new initiatives and in 2017 the portfolio of national and international projects grew considerably.

- **Baltic Sea Region - SmartUp Accelerator**
  The project aims to build up an innovation support system for start-ups and SMEs within the cleantech field in the countries around the Baltic Sea. Innovatum is coordinating the project involving partners from Finland, Estonia, Latvia, Poland, Germany and Russia.

- **Fossil-free Energy Districts (FED)**
  Within the EU-project FED, Johanneberg Science Park is leading the work of testing of a new type of local energy trading system on the Johanneberg campus. Nine local partners are involved and an initial version of the digital marketplace was implemented in 2017.

- **IRIS Smart Cities**
  IRIS - Integrated and Replicable Solutions for Co-Creation in Sustainable Cities – is an EU-financed project in which Gothenburg is one of three lighthouse cities. Along with Nice and Utrecht, smart solutions within energy, mobility and ICT are being developed to be replicated in four follower cities. Johanneberg Science Park is tasked with leading and coordinating the work in Gothenburg.

- **KIVI – Collaborative Innovation**
  In complex contexts involving many players where co-creation is a key factor for success, new forms of leadership and organisation are needed. With funds from Vinnova the project KIVI is to investigate how collaborative innovation capacity can be developed.

- **Climate 2030**
  Johanneberg Science Park has been designated the coordinator of the Healthy, Climate-friendly Housing and Premises and Larger Market for Bio-based Materials and Fuels initiatives within Climate 2030, the endeavour by the Västra Götaland Region to become fossil-free and substantially reduce carbon dioxide emissions by the year 2030.

- **SCORE - Smart Cities and Open Data Re-Use**
  A cooperation between nine cities in Europe, led by Amsterdam. Through access to more open data the SCORE project is expected to result in heavily reduced traffic flows and reduced carbon dioxide emissions among other things. Johanneberg Science Park is leading the work connected to the implementation of results and solutions in testbeds and living labs in the different countries.

- **Shared Space Challenge**
  Vinnova is granting funds for an innovation challenge where digital concepts for collaborative consumption in the housing environment are to be developed. The winners will have the chance to test their contributions in the HSB Living Lab. The competition was led by Johanneberg Science Park in cooperation with Chalmers and HSB.

- **SME network**
  The network for small and medium-sized enterprises now has 165 members. During 2017 nine seminars were held allowing members to introduce themselves. Johanneberg Science Park passed on contact details and offered guidance in the direction of public funds, and coached several member companies into projects with its larger partners.

- **Transnational Living Lab for Active Ageing**
  Funding from Vinnova will enable Johanneberg Science Park and Linnaeus University, along with the University of Tokyo in Japan, to develop and test social innovations which meet requirements and possibilities linked with an ageing population. Johanneberg Science Park's role, in cooperation with AllAgeHub, is to introduce the industry perspective and to work with the implementation of services and solutions.

The West Sweden Chemistry and Materials Cluster

Since 2016, Johanneberg Science Park has been the host organisation for the West Sweden Chemistry and Materials Cluster - a cooperation platform for industry, academia, institutes and public partners within chemistry, energy, recycling and forest industries. With the vision of a fossil-free future, the Cluster has about 30 partners who meet regularly in workgroups within selected focus areas. During the year, approximately 10 workshops and seminars have been held

focusing on issues such as plastics in the sea, forest resources, phosphorus recycling and public procurement.

- **MinShed - reducing microplastics in the sea**
  MinShed is a research project that was initiated during the year with the overall aim of obtaining knowledge of how the textile industry can manufacture clothes from synthetic materials without releasing microplastics. In this project, Johanneberg Science Park has brought together the West Sweden Chemistry and Materials Cluster with HSB Living Lab, whose washing machines will be used to test and measure results in the project. Swerea IVF is leading the project.

- **Gasification of Plastic Waste**
  The Gasification of Plastic Waste project concerns the way in which plastic waste can be used as a raw material to produce new plastics or other chemical products or fuel for vehicles, as well as looking into the prerequisites for a return plastic refinery. In 2017, tests took place in the Chalmers gasifier with promising results.

- **Forest chemistry**
  Several concrete project ideas were brought to life in the "To Market via Forest and Chemistry" workshop which the West Sweden Chemistry and Materials Cluster arranged with RISE Processum in the autumn. For example, a successful, joint project application by twelve partners to Vinnova for a project on renewable paints and adhesives was initiated here.

Dissemination

- **Almedalen**
  Johanneberg Science Park was one of eight organisations taking part in the West Sweden Arena during Politicians' Week in Almedalen in 2017. Fossil-free Energy Districts (FED) was among the projects presented here. A seminar was also held on the recycling of plastic and the importance of testbeds to solve the challenges of the future.

- **International workshop on open data**
  District Challenge I is implementing projects within Climate-KIC's network of Smart Sustainable Districts (SSD) in Europe. During the autumn, Johanneberg Science Park and Chalmers led a two-day workshop investigating prerequisites for combining open data with city development, particularly surrounding surface water and mobility in the areas of Johanneberg and Guldheden.

- **Croatian visit to the city**
  In the spring Johanneberg Science Park hosted a delegation of Croatian companies in connection with the President of Croatia's visit to Sweden. The delegation was given a presentation of the ElectriCity, Positive Footprint Housing and Climate-KIC's Smart Sustainable District projects as well as a tour of the HSB Living Lab.

- **Swedish cooperation projects introduced in the USA**
  Johanneberg Science Park presented the AllAgeHub, HSB Living Lab and Riksbyggen Positive Footprint Housing projects during ICSD, the International Conference on Sustainable Development, in New York.

Turnover 24 847 TSEK

Our income comes from our owners, partners, project funds and property owners Chalmersfastigheter and Akademiska Hus and from the Västra Götaland Region. The founders, the City of Gothenburg and Chalmers University of Technology, are the two major owners, each holding 1000 shares.

Employees 18

In 2017 there were 18 employees at Johanneberg Science Park AB, 10 women and 8 men. Equality aspects are important for sustainable growth and we are striving towards an even gender distribution, both in the projects that we are running and in terms of employees.

New Partners 2

In 2017, Mölndala Fastighets AB and Framtiden joined us as partners, fuelled by the desire to jointly take on future urban development challenges. This led to an increase in shareholders' contributions, enabling the implementation of more projects.

Events - visits 2373

Owners, partners and cooperation companies share knowledge, research and innovation at various breakfast meetings, seminars and training sessions. There are plenty of opportunities to network and establish contact with academia, society and industry. We are particularly good at finding the right target groups and booking relevant contributors for subject-specific activities.

Partners

Göteborgs Stad

CHALMERS

Göteborg Energi

CHALMERSFASTIGHETER

BENGT DAHLGREN

VOLVO

PEAB
NORDENS SAMHÄLLSBYGGARE

AKADEMISKA HUS

TYRÉNS

MÖLNDALA FASTIGHETS AB

HSB – där möjligheterna bor

white

Riksbyggen

SKANSKA

Framtiden
Vi bygger det hållbara samhället för framtiden

Wallenstam

Funding Agencies

EUROPEAN UNION
European Regional Development Fund

VINNOVA

VÄSTRA GÖTALANDSREGIONEN

eit Climate-KIC

UIA URBAN INNOVATIVE ACTIONS
New project...

IRIS
Integrated and Replicable Solutions for Co-Creation in Sustainable Cities

Interreg
North Sea Region
European Regional Development Fund

EUROPEAN UNION

Johanneberg Science Park

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