



Johanneberg
Science Park



Johanneberg Science Park
Annual Report 2020



JSP ten years old!

2020 was the year Johanneberg Science Park turned ten. At the beginning of the year, we planned a big anniversary party, thinking we'd

invite all our partners and friends to the fantastic environment we'd created together over the past decade. But then of course the pandemic broke out, forcing us to cancel the party. Just like many others, we had to adjust to digital ways of working. But our work itself was also affected, as investment in our projects and partner development activities was put on hold.

We soon adjusted to this new reality, however, receiving great support from our owners and partners along the way. Now that the worst of the crisis appears to be over, we're filled with optimism for the future ahead! Transitioning to a sustainable society is more urgent than ever, and Covid has taught us that far-reaching societal change is possible.

One advantage of digital events has been increased participation: a great number of relevant guests and speakers from across Sweden and abroad attended our online seminars. We were also excited and proud to welcome Volvo Cars and Akademiska Hus to our partner network; witness our SME network expand these past twelve months; and see demand for our expertise increase in major urban development projects. Innovation Forsåker is just one example – read more on the next spread.

Finally, I'd like to warmly thank all our partners, who helped make Johanneberg Science Park's first decade a reality. We look forward to new partnerships, innovations and, last but not least, a smashing 11th or 12th birthday party as soon as possible!

Mats Bergh, CEO of Johanneberg Science Park

The year in figures

Turnover SEK

34 302K

Our revenue comes from our co-owners, partners, project funding and Region Västra Götaland.

28 new network members

Together, Johanneberg Science Park's two major member networks attracted a total of 28 new members in 2020. 6 of them joined the West Sweden Chemicals & Materials Cluster and our network for small and medium-sized enterprises (SME) welcomed 16 new members at its basic level and 6 at the 'Gold' level.

27 employees

In 2020, 27 individuals (17 women and 10 men) were employed by Johanneberg Science Park – 4 more than the year before.

2 new partners

Volvo Cars and Akademiska Hus decided to partner with Johanneberg Science Park with the ambition to develop innovative solutions in the fields of mobility, energy and property.

3 831 guests attended 54 events

While we were still able to host physical events at the start of the year, Covid-19 restrictions meant most of our events this year had to take place online. A handful of events took place in the open air or as part-physical, part-digital events.

NEW PROJECTS

While the pandemic made society slightly more reluctant and hesitant to support new sustainability initiatives, we still expanded our portfolio in 2020 to encompass several new projects and partnerships.

Having a digital twin is a powerful way of facilitating urban planning, design and architecture, and can help plan for traffic, flooding or air pollution contingencies. Chalmers University of Technology has a great deal of expertise in the field of digital twinning; with the help of Vinnova, it founded the **Digital Twin Cities Centre**, to share and implement knowledge in the community-building sector. Just like a range of other actors from academia, the private sector and the public sector, Johanneberg Science Park has partnered with Chalmers' centre, ready to advance cooperation between different sectors.

Innovation Forsåker is an initiative to promote sustainable innovations in Mölndal's future Forsåker district. The initiative is managed by Johanneberg Science Park, in cooperation with Mölndal Fastighets AB and Mölndal Energi. Read more on the next page. →

This year, **Johanneberg Science Park** joined **Visual Arena**, a platform run by Lindholmen Science Park. The **Swedish Energy Agency** designated us a sectoral node in its nation-wide initiative to make Sweden more energy-efficient by 2030. We signed up to help make Gothenburg climate-neutral by working with the City's **Climate Contract**. The Västra Götaland Region and County Administrative Board reaffirmed their trust in us by allowing us to keep coordinating two key areas of the initiative **Klimat 2030**: Healthy and climate-smart housing and premises and a Greater market for bio-based materials and propellants.

Sustainable Smart Parks – an initiative set up in 2018 in cooperation with the City of Gothenburg, Husqvarna and the Swedish University of Agricultural Sciences, among others – was awarded SEK 5 million in the framework of Vinnova's 'Testbeds for Society's Challenges', which means the initiative is now an official test bed. Sustainable Smart Parks has actively been recruiting interested parties and started several new projects to explore future approaches to sustainable maintenance of green spaces.

Read more:
hallbarasmartaparker.com



Illustration: TMRW, Mölndal Fastighets AB, Mölndals stad, Citycon and NCC

INNOVATION FORSÅKER FOCUSING ON ENERGY AND MOBILITY

The new Forsåker district will connect central Mölndal and Kvarnbyn. It offers a unique opportunity to showcase and scale up innovative mobility and energy solutions to facilitate everyday life for future residents, employees and visitors. The goal is to create long-term, climate-smart solutions that may benefit all of society.

During the summer of 2020, Johanneberg Science Park, Mölndal Energi and Mölndal Fastighets AB joined forces to develop innovations to make Forsåker a sustainable community – smart solutions that will make the neighbourhood attractive for residents and entrepreneurs alike.

Once the project took off, a series of workshops was arranged last autumn to identify solutions for Forsåker.

Several of our partners, including Volvo Cars, Peab and Wallenstam, participated. The workshops zoomed in on subjects like mobility centres of the future, circular energy systems, logistics solutions such as last-mile or robot initiatives, data sharing & management platforms, and digital simulation environments.

"We're now actively setting up collaborative projects based on the ideas we came up with. We can't wait to see our partners' projects take shape and discover what we can accomplish together," says Rickard Malm, Project Manager for Innovation Forsåker at Johanneberg Science Park.

Read more:





HSB Living Lab received the World in Property Award at Fastighetsgalan in January 2020.

RESULTS AND ACHIEVEMENTS

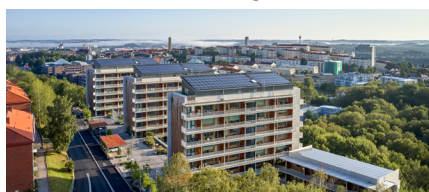
Our **SME network** did particularly well in 2020: it now unites 200 members, of which two dozen have chosen at the upper 'Gold' level of membership. The network organises a range of activities to offer members easy access to benefits like new knowledge and expertise, advice and support, marketing and branding, as well as project participation.

Since 2015, we've enjoyed having the electric bus no. 55 stop practically right outside our door. But the bus route was part of a temporary project in the framework of the ElectriCity partnership - an initiative that proved to be a success. As the final bus journey took place in December 2020, 150 new electric Volvo buses started serving 34 of the city's regular bus routes, making Gothenburg both cleaner and quieter. The ElectriCity partnership continues, focusing on electrifying other areas where electrification can improve urban environment, for example like ferry travel and construction sites.

Several of the buildings constructed in the framework of our partnership projects received awards in 2020.

In January, for example, **HSB Living Lab** was able to attend Sweden's annual property gala (Fastighetsgalan) to accept the World in Property Award – a prize for projects that truly left a mark on the Swedish property market.

Riksbyggen's housing association Viva won the prestigious Kasper Salin prize for its high level of architectural qualities. (However, being a building that stirs emotions, Viva was also awarded the ironic Kasper Kalkon prize by Arkitekturupproret for being "the ugliest building of the year".) It was also named Property Developer of the Year at property website Hemnet's Guldhemmet gala.



EVENTS AND DIGITAL TRANSFORMATION

Because of the Covid-19 pandemic, we digitalised all our events and visits this spring. While we miss face-to-face meetings, switching to digital events led to increased and diversified participation, as it allowed speakers and attendees from a larger geographic area to attend. A broad range of topics were discussed, such as climate-smart construction, service innovation, mobility, renewable energy, social sustainability, business development, funding and fundraising, and open data.



From left: Stina Rydberg, Johanneberg Science Park, Katarina Areskoug Mascarenhas, European Commission, Jakop Dalunde (MP), European Parliament, Linda Werner, Preem, Anna Graaf, White Architects and Lars Holmqvist, Göteborg Energi.

The large-scale **World Sustainable Built Environment** conference, BEYOND 2020, was set to welcome international guests to Gothenburg in June 2020. But due to the pandemic the conference was held online in November instead. The event was hosted by Chalmers University of Technology and co-organised by Johanneberg Science Park, RISE and the City of Gothenburg. We organised a panel discussion about Sweden's culture of cooperation as a success factor, and helped organise digital study visits. Read more below.

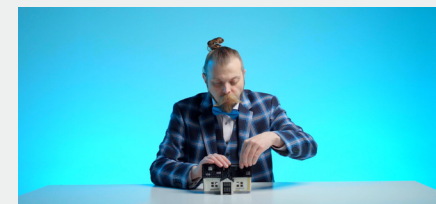
Study visits and foreign delegations are important tools to spread knowledge about sustainable innovations. So when we could no longer receive physical visitors, the visitor organization Green Gothenburg developed a web-based, virtual tour of our area where digital visitors can click around the buildings HSB Living Lab, Riksbyggen's Brf Viva and A Working Lab.



Read more and take the tour:

During one of the first and also last physical events of the year Katarina Areskoug Mascarenhas, Head of the European Commission's Representation in Sweden, joined industry representatives in discussing the challenges and opportunities of Europe's new Green Deal.

Several new series of workshops and activities premiered in 2020. One of them is Byggtjänsterna ('Construction Challenges', part of the Klimat 2030 initiative), in which we present companies with tools to make construction carbon-neutral, like climate calculations and circular use of materials. Our TJIVA project, meanwhile, helps companies develop their level of service innovation by offering networking opportunities, workshops and targeted advice. Our partners also met up on several occasions to brainstorm and come up with new ideas for projects in several select focus areas, like mobility and digitalisation.



Partners

CHALMERS



City of
Gothenburg



AKADEMISKA HUS



CHALMERSFASTIGHETER



Husqvarna
Group



HSB – home of opportunities



Riksbyggen

SKANSKA



WALLENSTAM

white

Funding Agencies



Climate-KIC



Swedish
Energy Agency



Funded by
the European Union



EUROPEAN
REGIONAL
DEVELOPMENT
FUND



REGION
VÄSTRA GÖTALAND



Our partner network consists of the City of Gothenburg and Chalmers University of Technology together with AB Volvo, Akademiska Hus, Bengt Dahlgren AB, Chalmersfastigheter, Förvaltnings AB Framtiden, Göteborg Energi, HSB, Husqvarna AB, MölnDala Fastighets AB, Norconsult AB, Peab AB, Riksbyggen, Tyréns AB, Skanska, Volvo Cars, Wallenstam, White, Region Västra Götaland, West Sweden Chemicals and Materials Cluster, and more than 200 small and medium-sized enterprises.

www.johannebergsciencepark.com/en

