



Stockholms stad

**NB:**  
This brochure is designed to inspire and spark discussion around a possible future in a digitized Stockholm

● Public roof gardens

● Fireflies make the city safer

● Stacked allotments

● Cablecars provide transportation

# Welcome to the smartest city in the world

● Autonomous mussel farms clean the water

Stockholm's certificates and quality awards:



The Capital of Scandinavia

**The contents of this brochure are the results of workshops and discussions conducted during the spring of 2016 together with co-workers from Stockholm's departements, school children and companies.**

**This brochure has been sent to us from a not so distant future, describing one possible future Stockholm. It is intended to generate new ideas for digital solutions and discussions about what a smart city could look like.**

**"Welcome to Stockholm,  
the smartest city in the world"**

## Stockholm in numbers:

04

Traffic & City Planning

Human powered public transportation

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Housing & Environment

Ecological and sustainable solutions for making the right choices

08

Pre-school & School

Lifelong learning wherever and whenever you wish

10

Work

Automated solutions create meetings between people

12

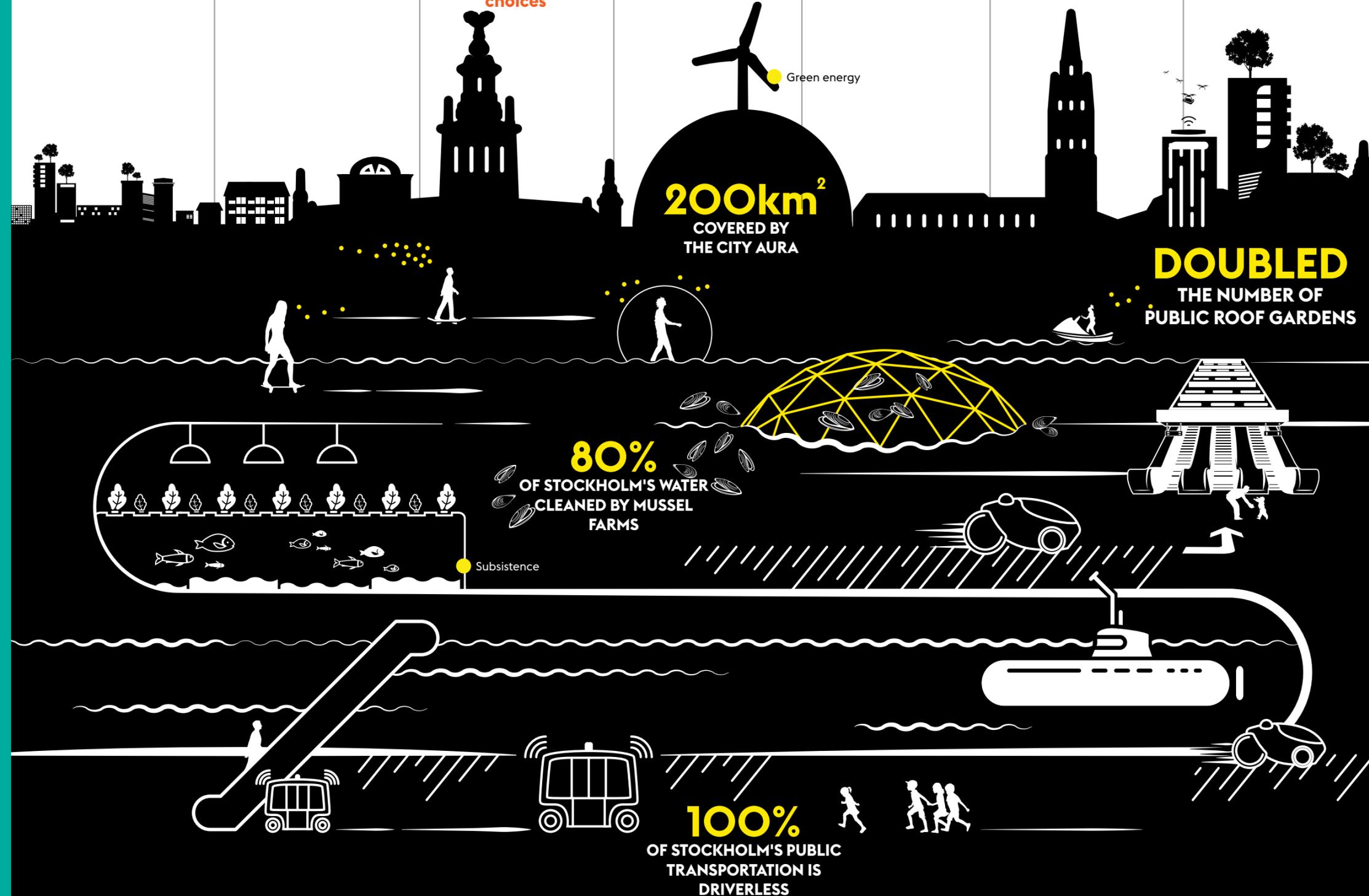
Culture & Leisure

A democratic choice of culture created by the citizens

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Support & Care

Support and care based on the city's autonomous needs analysis



Welcome to Stockholm!

## Smart citizens makes a smart city

Stockholm's connected services are based on how you live and interact with the city. Digital services benefit from the data that you produce and share. Together we make Stockholm the smartest city in the world!

# Stockholm in motion

**100%**  
CAR FREE  
WITHIN THE  
NODES

CASH FOR  
DRONE

PAWN

DATA  
TRADING

AI TRAINING CENTER

Making the centre of Stockholm car free has created space for new compact housing and recreational areas. Stockholm has the world's largest fleet of human powered public transport vehicles. Individually adapted traffic signs will show time efficiency, energy-, and calorie consumption and the level of entertainment for your route.

## THE CITY AURA

The city aura is a dense network of sensors that ensures travel runs smoothly. With over twenty years of historic data about the city aura can accurately predict the ebb and flow of traffic across the city.



## FIRE-FLIES

The Fireflies light up parks, streets and squares. They follow you when you are out jogging or taking the dog for a walk in the woods at night. The Fireflies supply communication-, data-, and navigation services.

"I use my personal Firefly to film, document and broadcast my life in realtime on social media"

max  
**3 min**  
waiting time for  
public transport

10% of the city's energy  
is generated by human  
powered vehicles

SCENT-FI TRACK:  
Scent markers guide you  
when traveling immersively



## TRAVEL BY HUMAN POWERED VEHICLES IN THE PUBLIC TRANSPORT SYSTEM

The public transport fleet includes, 50 000 bicycles, 30 000 kick-bikes, 10 000 hover boards and 4500 electric rickshaws.

# Live close to nature

**HOUSING GUARANTEED WITHIN 30 DAYS\***

**4 688 PUBLIC ROOF GARDENS**

Stockholm has the least of data and greenhouse gas emission per capita in the world. The city's digital services and physical infrastructure enables carbon-free living in large parts of the city. In Stockholm even your digital equipment, such as screens and VR headsets, are composted.

**3000 m<sup>3</sup> available space in Stockholm**

**5m<sup>3</sup>**

Brush up your virtual identity at the job islets

Responsive building materials

**STUDENT MODULE**  
**5m<sup>3</sup>**

The m<sup>3</sup> modules are now available as allotments

## LIVE ON 32-65 CUBIC METER

In the tenement buildings of Stockholm your living space is provided on a needs-based volume model. With a flexible amount of living space you can be certain that no housing space goes unused and that you don't pay for space you don't need.

\* Connect to the Hyper Accomodation service and be guaranteed 5m<sup>3</sup> of living space within the city limit.

## OFFLINE ZONES

Stockholm has several public offline zones where Stockholmers can meet to socialize IRL. In the certified offline zones all VR equipment, facial recognition technology and digital advertising is blocked.

*Faraday, Stockholm's first offline zone was, created in 2019 by prof. Sven Dufva. Also known as the "tin foil hat", received harsh criticism when it was installed, but is now one of the city's landmarks.*



"The tin foil hat has become a natural meeting place and I like to be completely offline for a while"  
- Elin Zakholy, analogian

**0%**  
facial recognition in offline zones

**JOIN US!**  
ANOTHER STEP TOWARDS A SELF-SUSTAINABLE LIFE. FARM FISH AND GROW VEGETABLES IN THE FREE SPACE OF YOUR BASEMENT.

# Work without boundaries

Stockholm's automatic job center matches available work with competences to meet the demand. The job centre matches human workers as well as autonomous and remote-controlled robots from around the world.

## DATA MARKET

**STOCKHOLM IS THE WORLD'S LEADING DATA CRAFTING CENTER**



**"When I started working 20 years ago we operated one excavator at a time"**  
- Remote excavator operator, Luleå

### DATA CRAFTING

Stockholm is a world leading center for data crafting where data weavers, data smiths, device makers and analysts from all corners of the world meet and practice their crafts. At the data fairs around the city small scale and locally produced products are offered to citizens and tourists.

ANTIQUE JAVASCRIPT RESTORATION  
CLASS DATA CRAFTING - DATA SALE

**"99% of our insurance cases are managed by jobots from staffing agencies"**  
Tryggsam insurances

**"The Fireflies shine so nicely when I go to bed at night! But they only survive for a couple of weeks, then you have to catch new ones"**  
- Twitter Svensson, 6 years old

### JOB ISLETS

Stockholm's job islets are the perfect platform for entrepreneurs and flex workers. Through strategic movement patterns the job islets offer space for work and meetings. When needed islets are connected to create optimal value chains.



**"When I came to Stockholm three months ago I was introduced to a really good data weaver. Now we run a business together!"**  
- Analyst, newly moved into Husby

# Life-long learning

IN STOCKHOLM WE LEARN TOGETHER, YOUNG AND OLD BASED ON INTERESTS AND SKILLS

**GRADUATE WITHOUT "GOING TO SCHOOL"**

2 500 graduates annually through 100% subliminal learning



"My favorite topics at school are mandarin, programming history and data sports."  
Halima, 12

"I never thought I would learn programming - now my next goal is to hack my soma-skeleton so that I can get up on my skateboard again."  
Linus, 83

## ADAPTIVE LEARNING MATERIALS

The city's learning materials adapt to each pupil's strengths and weaknesses. They sense the stress level, physical status and learning pace of each pupil. This will help them to focus and learn as efficiently as possible.

## THE CITY'S TECH CENTERS

The city's tech centers provide practical training in digital craftsmanship. They are meeting places where citizens can find spare parts, upcycle robots and borrow data. They also have component libraries where you can borrow and exchange components.

## THE CITY SCOPE

Through the city scope you gain knowledge about what you are currently experiencing. It is especially appreciated by school groups but also used by tourists and other Stockholmers. Scan buildings, plants or processes and look into their past, present and future. You will learn without realizing it through subliminal information!



Open discussion on life as an analogian in Stockholm!

July 17th, 6 pm



Study-buddie



Hi TOBIASI!  
DID YOU KNOW THAT NEXT YEAR WE THINK THAT THE FIRE FLIES, THE MINI-HEROES OF THE CITY, WILL CATCH 45 628 BADIES?

Try the city scope with the scent add-on and experience what Old town smelled like in the middle ages

# Culture by, with and for the citizens of Stockholm

**THE MUSSEL FESTIVAL IS ONE OF THE WORLD'S BEST VIRTUAL EVENTS**

Stockholm's cultural and leisure offerings are based on analyses of people's interests and activities around the city. This means that they are partly created by the citizens themselves.



### THE MUSSEL FESTIVAL

The city's mussel farms are celebrated annually for their contribution to the clean water of Stockholm. Choose to visit any of the city's festival locations physically or in near-life. The mussel festival is in the top 10 global virtual events.

**"I have visited the festival eight times now. This year I especially appreciated the barbecued insect skewers.. and the party of course!"**  
- Siu Ling, Swedish living abroad and near-life visitor.

**BLAM!**  
CityPlay work by Elsa Ståhl

**"TRIBUTE"** a show by and with the Fireflies

The festival mascot

The pop-up-folk-parks can be set up in parks, squares, streets and even on the water

### POP-UP-FOLK-PARKS

In the pop-up-folk-parks you can experience IRL concerts as well as auto-scripted performances based on the behavior of the audience. The pop-up-folk-park-modules collect data about the visitor's social-, movement-, and consumption patterns to improve upcoming performances. The pop-up-folk park-modules are open-source and can be programmed and configured as desired. The only limit is your imagination!

### CityPlay

Responsive building materials in the city makes it possible to customize the appearance\* of the city according to preferences of the citizens. Anyone can express themselves through the CityPlay service by programming the city's responsive surfaces and materials.

\*Permission for art pieces and activities that will affect larger parts of the city require approval from the virtual City Council.

# Empowered living



**OPEN  
BIO DATA GIVES  
STOCKHOLM THE  
SHORTEST HEALTH  
CARE QUEUES IN  
EUROPE**

**YOUR  
EMPOWERED  
LIVING ADAPTS  
IN REAL TIME**

Stockholm provides customized health-, exercise- and dietary advice according to the city's guidelines for a good life. The advice is based on biodata that you share. Work attendance is maximized by predictions of health risks that help you avoid becoming ill. If still needed robotic care kiosks are able to provide basic therapy and healthcare.

## I LEAD AN INDEPENDENT LIFE

Interview with Kim, 110 year old stockholmer

**How do you like your apartment?**

- I really like it. My life as a senior is so much safer and a more independent than my parents life was and I need virtually no personal assistance. Life is so much more social and I have control over my day. I feel enriched and not a burden on society. It is good to be able to have a private life although it is nice when the home care givers stop by to look in on us.

**What do you like the most?**

- That I can lead an independent life! I really appreciate all the services that I have through Empowered Living. A carer used to come every morning to help me with my dry eyes. Now I have a device integrated into my bathroom mirror that measures and dispenses the right dosage. When I eat, I get suggestions on appropriate meals according to my current physical and emotional state, and the food is delivered to our door.

**What is your favorite aid?**

- Oh, it's hard to choose! Since my stroke I've had difficulties moving and it was hard to keep up with the day to day tasks around the house. So it's nice that the chores take care of themselves, for instance our nano-treated windows are self-cleaning. If I have to pick one I would probably choose the soma-skeleton that gives me the freedom to walk and bike almost like before the stroke and as I learn new movement patterns becomes even easier.

Soma-skeleton



Director Stefan Carlson,  
Future administration

## Future administration

Problems are aired and solutions are implemented where they come up, and without intermediaries, through the city kiosks. Flexiwork allow staff to combine their assignments with other work. This creates a closeness to the problems that the citizens face in their everyday lives.



“During my city duty I traveled around with the environmental department and worked on securing the environment. Now I'm on call in Årsta and ready to respond if an accident should happen!”  
- Armin Bagalkot, flexiworker

“My flexiwork is a combination of 60% illumination arborist 30% city duty 10% shaman”  
Susanna Taylan, flexiworker

The heat excess from the city's data centers support snow, ice and green areas throughout the year

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future in a digitized  
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**[www.stockholm.se/smartstad](http://www.stockholm.se/smartstad)**

Follow the city's work towards the Vision 2040 - A Stockholm for all.



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