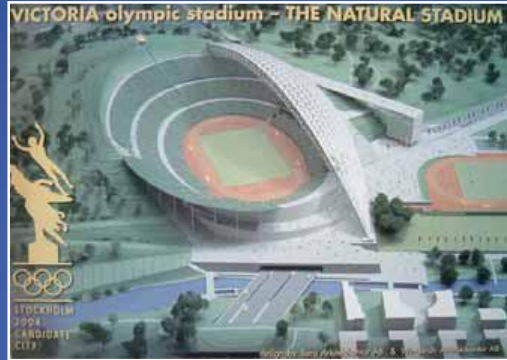
An aerial photograph of the Hammarby Sjöstad 2.0 urban development in Stockholm, Sweden. The image shows a dense cluster of modern, multi-story residential buildings with flat roofs, interspersed with green spaces and trees. A large body of water, likely a lake or bay, is visible in the center, with several bridges crossing it. The surrounding area includes older buildings and more greenery. The overall scene depicts a sustainable urban environment.

# Welcome to Hammarby Sjöstad 2.0

- from global climate deal in Paris  
to local action in our city district

-

# Hammarby Sjöstad 1.0 – 1996-2016



- From a run down industrial area in the 1990s
- via a bid for the 2004 Olympic Games
  - to a become the first "Green Capital" in Europe in 2010

## The Economist:

"One of the World's highest profile examples  
of Sustainable City Development"



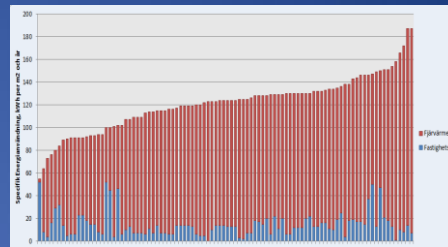
# The Hammarby model in practice:

- recycling of waste to energy, vacuum based system,  
under ground, clean, reliable, no landfill



Hammarby Sjöstad serves as a demo site for city development  
in China, UK, Norway, Dubai

# The Hammarby model in practice:



## -District heating and cooling

- the energy target, 100 kWh per sqm a year, not yet reached



## Trams, buses, car pools and bikes for sustainable transport

The transport target, 80 per cent, has been reached,

# A new open architecture



**With landscape architecture focusing on sustainable and multifunctional public spaces**



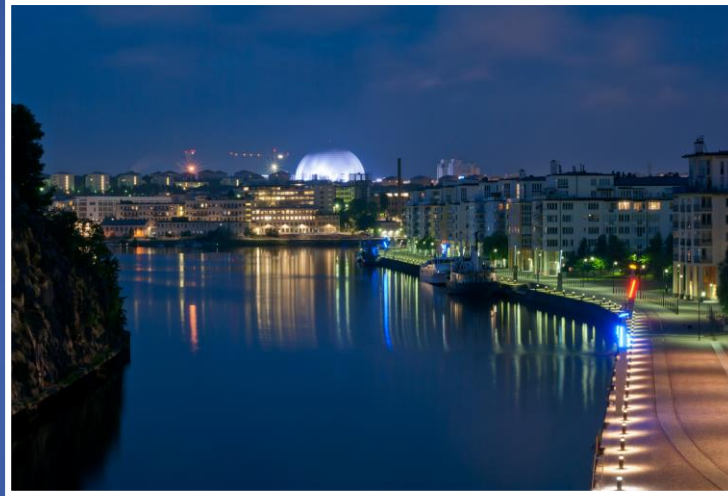
# Still under construction

- new "state of the art" buildings  
as regards energy and climate standard



- Today 20.000+ inhabitants  
- In 10-15 years almost 30.000 inhabitants

# 5 per cent higher costs, 25 per cent more property value over time



*“Hammarby Sjöstad is a good example of not only focusing on the short term aspects and getting short term profits but also investing for the future and increasing revenue. The cost for Hammarby was roughly 5 percent higher from a purely construction cost perspective but in the end you get back roughly 25 percent more property value out on the site over time which shows how real value is created over time.”*

Henrik Svanqvist, Director of Communities, Skanska [www.hammarbysjostad.eu](http://www.hammarbysjostad.eu)



# What is the secret behind the success?

## 1. Policy.

A strong political commitment by the Mayor of Stockholm:  
"twice as good as anything built before"

## 2. Planning.

A new concept for city development:  
"eco-governance", horizontal planning for sustainable city development


## 3. Management.

A new resource management system:  
"The Hammarby model" - to reduce, reuse and recycle energy, water and waste



# Hammarby Sjöstad 2.0

2015-2025

A nighttime photograph of the Hammarby Sjöstad 2.0 development. The image shows a wooden pier in the foreground, with the city lights and buildings reflected in the water. A tall, illuminated chimney is visible in the background on the right side.

- smart and sustainable solutions,  
electrification, digitalisation

Testbeds. Urban Living lab. Export platform

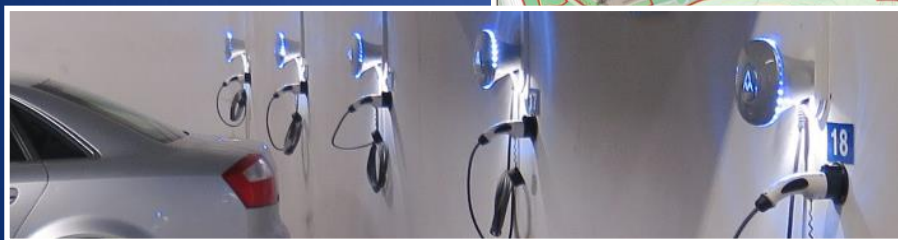
*Hammarby Sjöstad*  
© KIRBY KIRKHÖG



## From Paris to Hammarby Sjöstad

Translating the goal of the Paris climate deal, 2050, and the  
City of Stockholm goal, 2040,  
into a 2030 goal, a strategy and actions in our city district  
- "twice as fast", leading the way

# Test bed for electric cars: "charge at home"



More than 30 housing associations have installed or are on the way to install equipment to charge electric cars, some 250 p-places – plus 30 public charging stations





## Test Bed "car pool at home"

- to promote car sharing
- together with Hertz and Sunfleet

# Test bed for electrification of inner city buses



- for transition of all 330 buses to electric buses in Stockholm Inner City,
- in cooperation with Volvo, Scania, Vattenfall, ABB, Siemens, Ericsson and InfraNode
- Next step: Busplan Sweden

# Test bed for an e-bike city

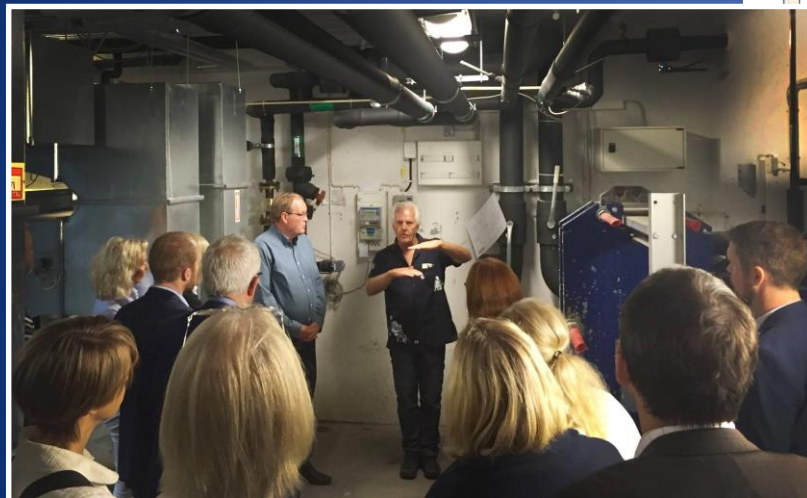


**Local project in cooperation between Cycleurope/Monark  
and 10 housing associations**

**- for a healthier lifestyle and sustainable transport**

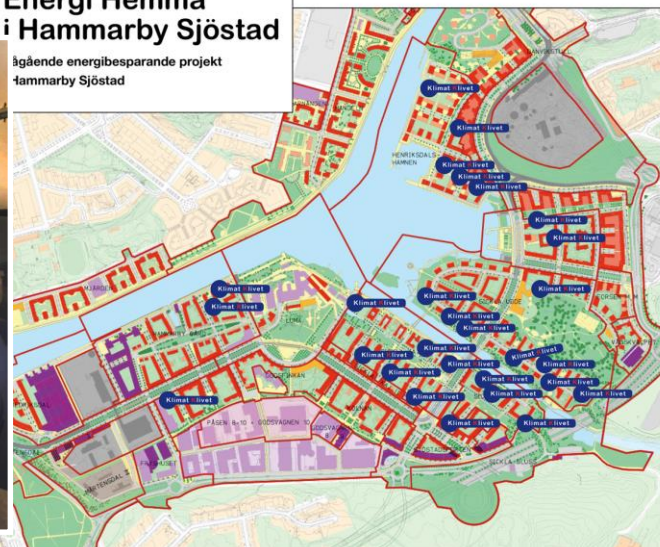


# Test bed for "energy at home"



## Energi Hemma i Hammarby Sjöstad

åtgärdande energibesparande projekt  
Hammarby Sjöstad



Klimat Livet

### Klimatklivet:

Energiansvarig  
Ecodrive  
Målstyrd Energiförvaltning  
Ladda Hemma  
Belysningsutmaningen  
Förnybara energikällor

### Våra medlemmar

Bf Buren 1  
Bf Buren 2  
Bf Buren 3  
Bf Buren 4  
Bf Buren 5  
Bf Buren 6  
Bf Buren 7  
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Bf Buren 40

Förväning med aktivitet

Elbil2020

ElectricITY

Sjöstadsföreningen  
Hammarby Sjöstad

KLIMAT LIVET

Producent av Elbil2020 AB, ElectricITY och Sjöstadsföreningen 2016 11 15

About 40 housing associations are involved in Climate action in Hammarby Sjöstad – reduce, reuse and renewables – to reach the energy target

# Linking, storing, charging

– test bed for integration of energy and transport systems



Linking solar energy to our buildings, storing in batteries,  
reducing effect peaks in the morning/afternoon  
and charging EVs during night



Hammarby Sjöstad 2.0

# Test bed for IoT/5G in a residential area

Intel Sweden, Ericsson, Skanska, KTH and ElectriCITY  
will make Hammarby Sjöstad a test bed for IoT and 5G  
for smart management of energy, transport, recycling, air





Smart City Test bed – for Skanska's ABC-project

# Sjöstaden as an urban living lab: - the energy system of tomorrow



How will our energy systems change, when we produce our own energy och how should the present energy system be adopted to new realities? Researchers from Sweden, Switzerland and Austria are using Hammarby Sjöstad, Geneve och Vevey as "urban living labs"

# Sjöstaden as an "urban living lab":

## - sharing cities



- National innovation project in Stockholm, Göteborg, Malmö and Umeå
- Developing existing and new enterprises and building digital platforms for sharing goods and services
    - Start 1 September, funding for three years, until 2020



# Sharing at home

- a pilot project to promote e-commerce and sustainable distribution of parcels



Delivery to a digital cabinet,  
I can pick up my parcel when  
I am back home, any time, using a  
digital code in my mobile



# Sjöstaden as an urban living lab:

## Smart city water technology



- IVLs research facility in Hammarby Sjöstad for new smart water technology
- from water purification to production of resources: water, energy and substances
    - In cooperation with the water industry



# Hammarby Sjöstad as an export- and business plattform



IVL Swedish Environment Institute is running an export- och business platform in Hammarby Sjöstad - In cooperation with Swedish clean tech enterprises, ElectriCITY and Team Hammarby Sjöstad



## 哈马碧湖城

瑞典斯德哥尔摩市哈马碧湖城开发研究案例

瑞典金融绿色智慧城项目开发案例

2015年10月

征求意见稿



# Homepage – in English and Chinese



[www.hammarbysjostad.eu](http://www.hammarbysjostad.eu)



# Matchmaking for cleantech enterprises

## Energy

Climeon  
Hexicon  
Solarus Sunpower  
Ferroamp  
SaltX  
Nibe  
Swatab  
Evertech  
Ecoclimate  
Thermodeck  
EpSpot  
Strongcrete  
Particletrap  
Urban Green  
Nilar  
Evothings Labs  
Organowood



Trifilon  
Chromogenics  
EnReduce  
Waren  
Energeotek  
Watty

## Transport

Uniti  
Charge amps  
Greater than  
Cero  
Cargospace 24  
Freelway  
Mindconnect  
Qlocx

## Water

3eflow  
Orbital systems  
Tap-n-save

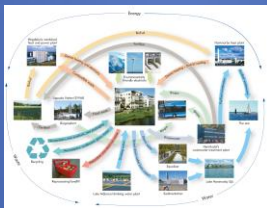
**Matchmaking between innovative clean tech enterprises  
and big companies in construction and real estate,**

**– starting in the domestic market, preparing for international partnership – in China and India**

# Making business with us – our offer:



## 1. Matchmaking with innovative clean tech enterprises



## 2. Knowledge sharing: eco-governance



## 3. Testbed to develop and study energy, IoT and 5G

# ElectriCITY as an innovation platform

together with partners in academia, business and local housing associations



JLO Invest AB



Hammarby  
Sjöstad



Elbil2020



SIEMENS

VATTENFALL



SKANSKA



Stockholm  
The Capital of Scandinavia



RI  
SE



Hyresgästföreningen



Sjöstadsföreningen  
Hammarby Sjöstad



SEK



<http://www.hammarbysjostad.eu/>