

2020-05-19

West Sweden Industry 4.0 Landscape

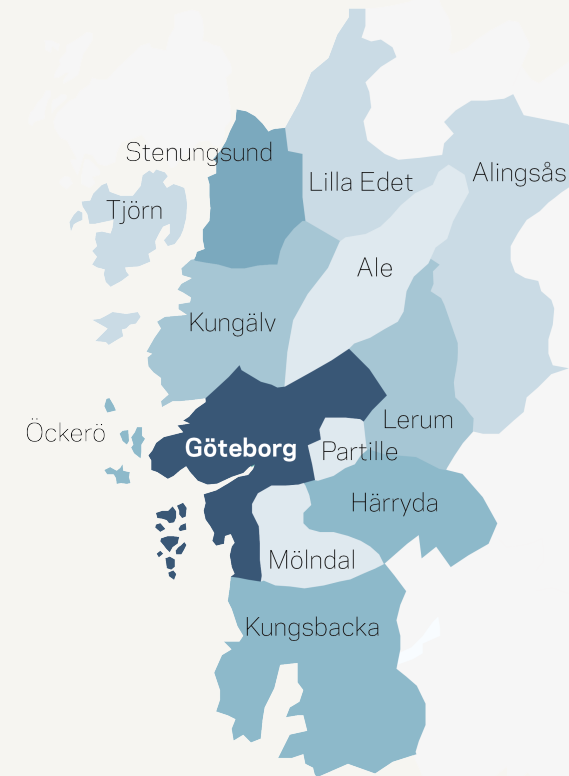
JOHAN HOGSVED, ERIK BEHM



BUSINESS REGION
GÖTEBORG

Do you work in ICT?

- Artificial Intelligence
- Connectivity & Mobility
- Cyber- & Information Security
- Microwave & Antenna Technology
- Visualization & Gaming
- Digitalization



Great. We do too!

Areas of strength within ICT

Key tool – Cluster Mappings

Industry 4.0 in West Sweden (2020)

AR and VR in West Sweden (2019)

ICT Education in West Sweden (2019)

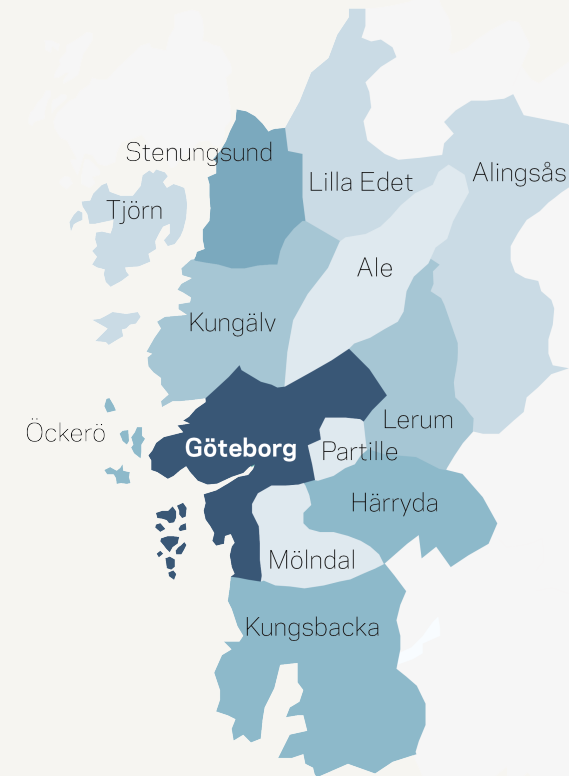
Microwave competencies in West Sweden (2019)

Big data, machine learning and AI in West Sweden (2018)

Cyber security in West Sweden (2018)

IoT in West Sweden (2017)

E-commerce in West Sweden (2017)



www.investingothenburg.com/target-industries/ict



BUSINESS REGION
GÖTEBORG

2020-05-19

West Sweden Industry 4.0 Landscape

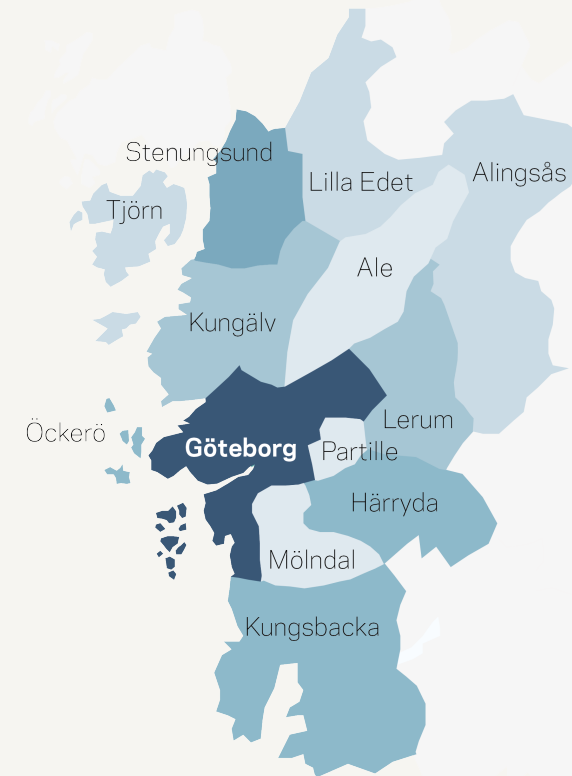
JOHAN HOGSVED, ERIK BEHM



BUSINESS REGION
GÖTEBORG

Industry 4.0 Landscape

- The Mission
- About Industry 4.0
- The Map
- Select Industries, Companies & Actors
- Next Step



The Mission

Make a map featuring good examples of West Sweden actors driving Industry 4.0

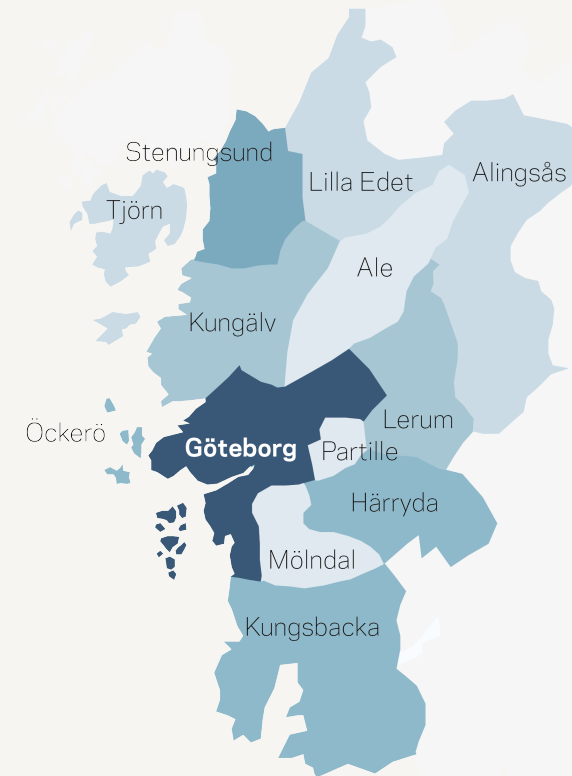
”Is it possible to find 100 companies and organisations in West Sweden only?”

We want to promote both organizations enabling and implementing Industry 4.0



Industry 4.0 Landscape

- The Mission
- About Industry 4.0
- The Map
- Select Industries, Companies & Actors
- Next Step



Keywords for National Policies – Industry 4.0



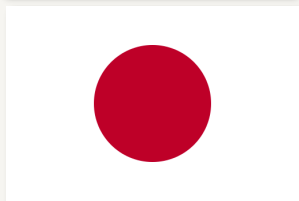
Industrie 4.0, Smart Factory



Advanced Manufacturing



*Made in China 2025
Internet Plus*



New Robot Strategy



Industry 4.0

”The term "Industrie 4.0" originated in 2011 from a project in the high-tech strategy of the [German government](#), which promotes the [computerization](#) of manufacturing.

*”In essence, industry 4.0 is the trend towards automation and data exchange in manufacturing technologies and processes which include **cyber-physical systems (CPS)**, the internet of things (IoT), **industrial internet of things (IIOT)**, [cloud computing](#), [cognitive computing](#) and [artificial intelligence](#).”*

Wikipedia





1.0

The first industrial revolution
1760-1840



2.0

The second industrial revolution
1870-1914



3.0

The third industrial revolution
late 20th century

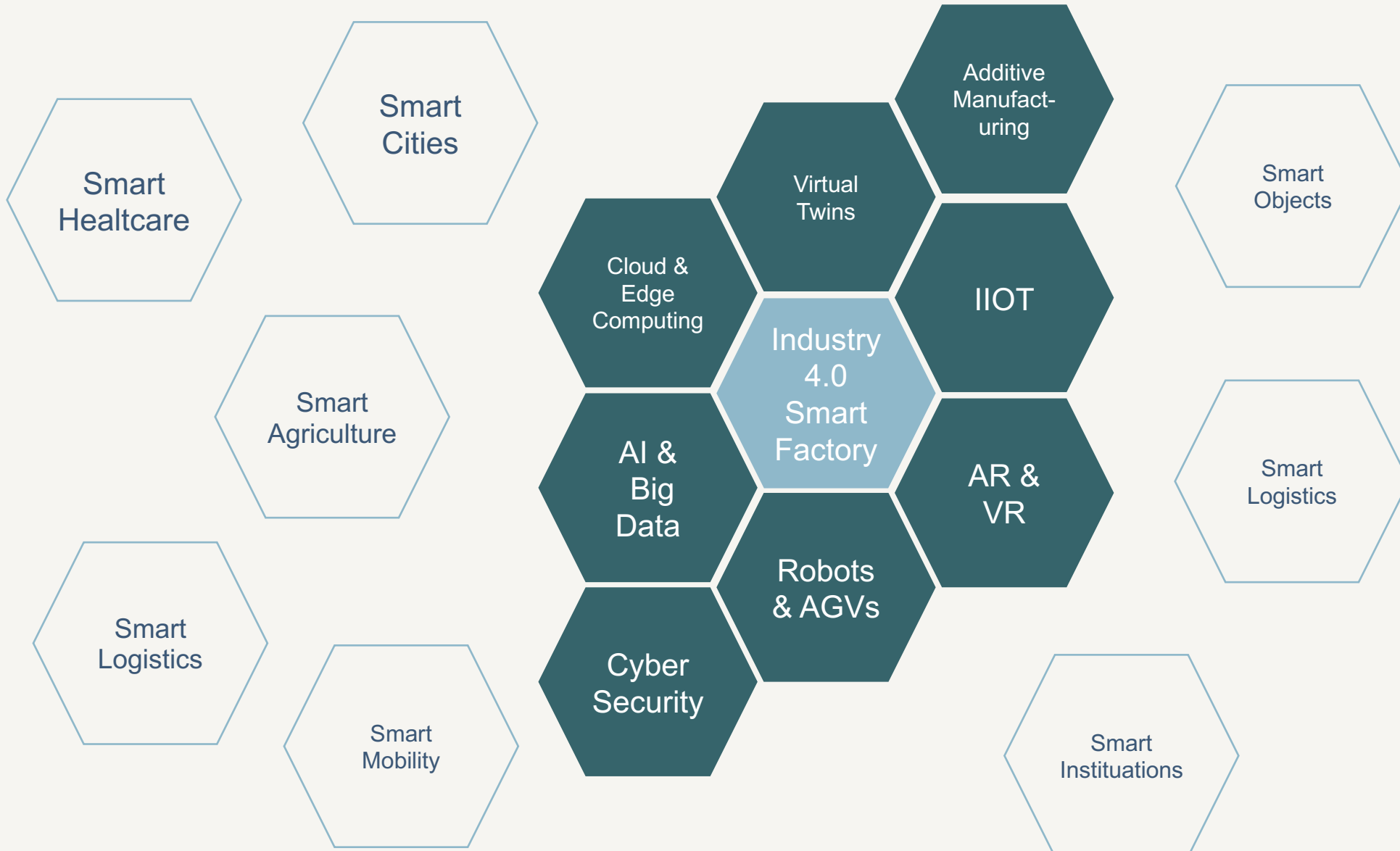


4.0

The fourth industrial revolution
ongoing

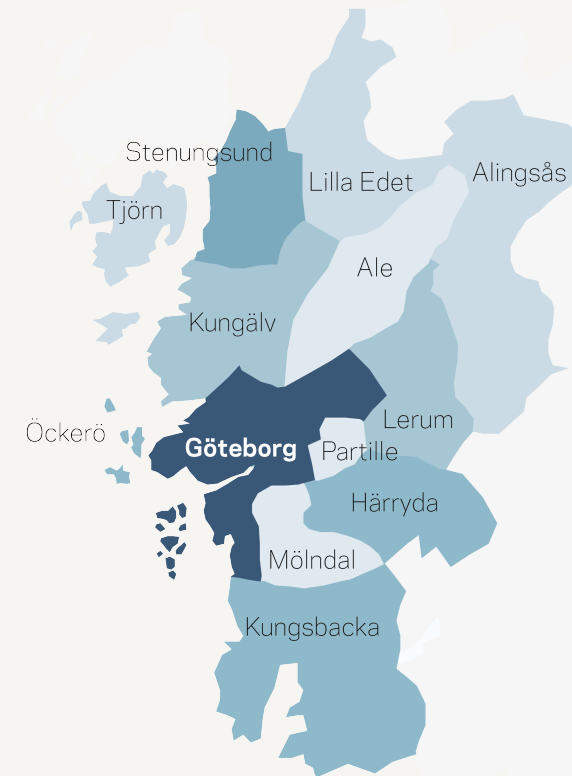


Industry 4.0 – Technologies across the society



Industry 4.0 Landscape

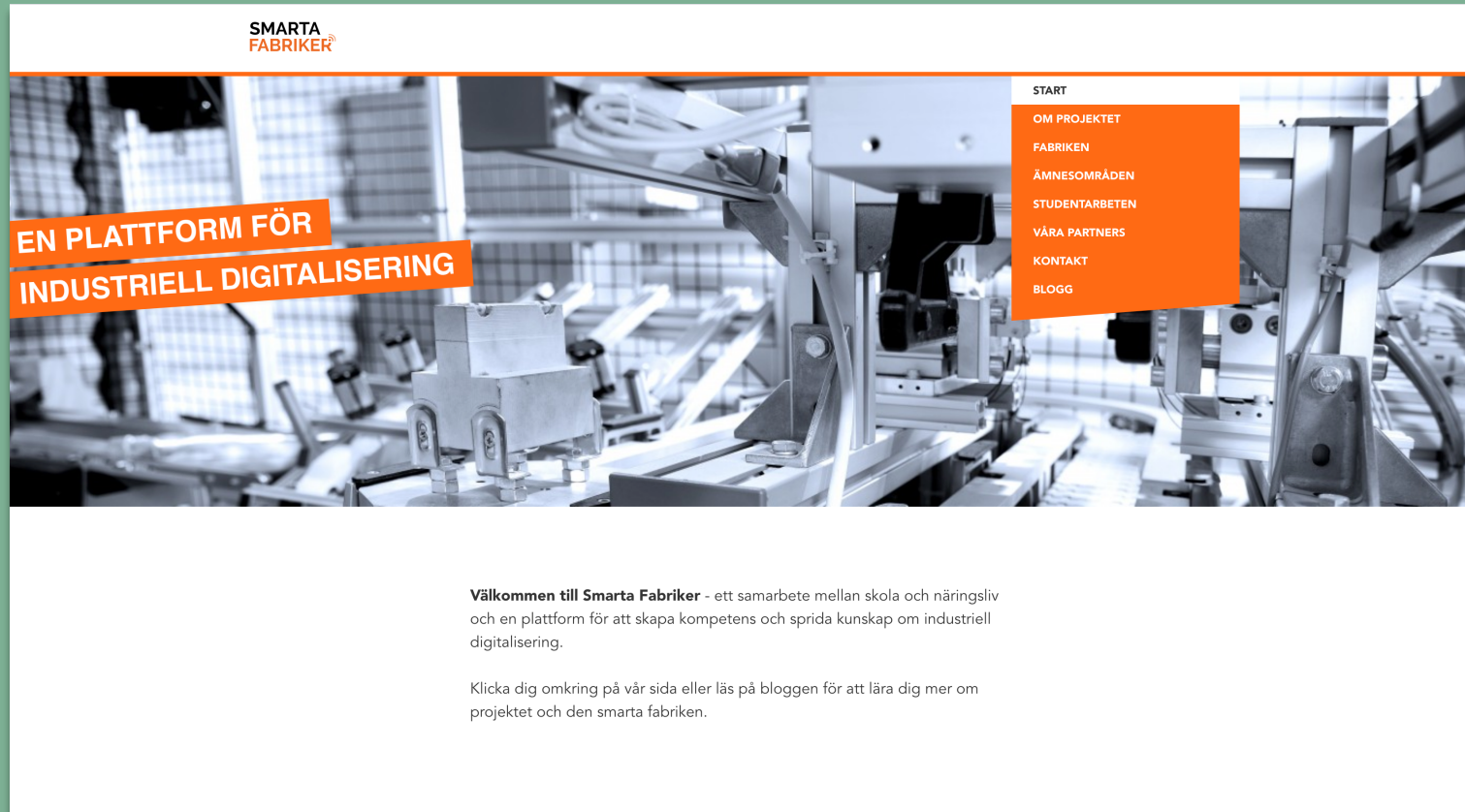
- The Mission
- About Industry 4.0
- The Map
- Select Industries, Companies & Actors
- Next Step



Collaboration arenas: Stena Industrial Innovation Lab, SII-Lab



Smarta Fabriker – ”Smart Factories”



**SMARTA
FABRIKER**

EN PLATTFORM FÖR
INDUSTRIELL DIGITALISERING

- START
- OM PROJEKTET
- FABRIKEN
- ÄMNESOMRÅDEN
- STUDENTARBETEN
- VÅRA PARTNERS
- KONTAKT
- BLOGG

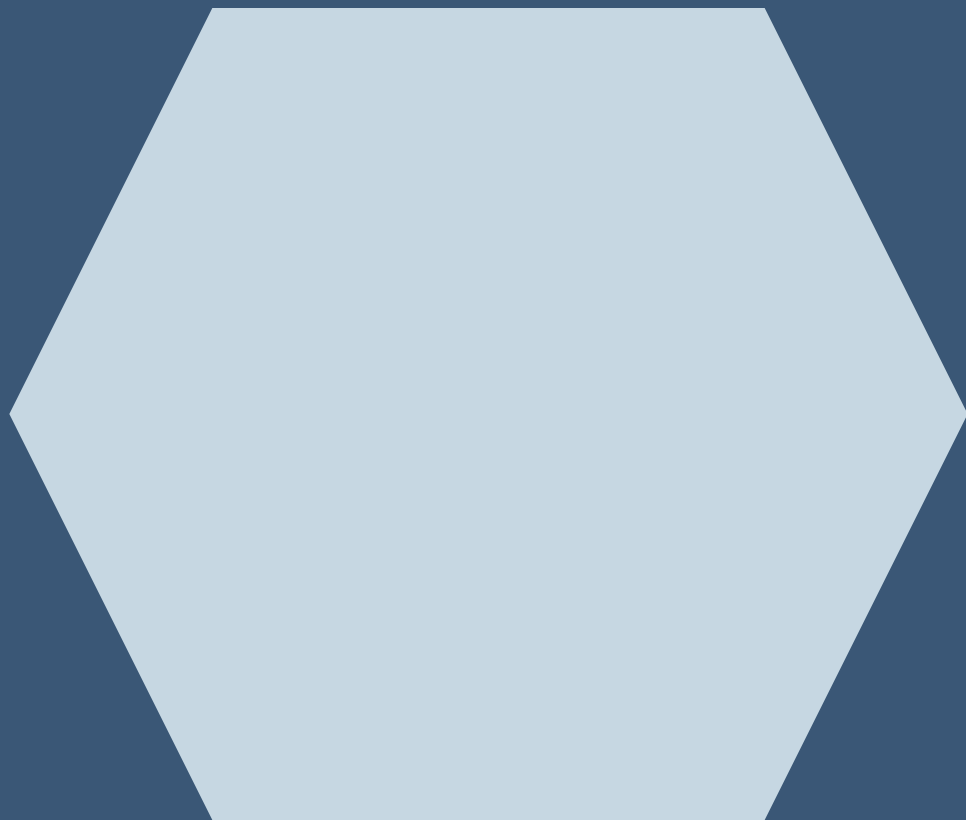
Välkommen till Smarta Fabriker - ett samarbete mellan skola och näringsliv och en plattform för att skapa kompetens och sprida kunskap om industriell digitalisering.

Klicka dig omkring på vår sida eller läs på bloggen för att lära dig mer om projektet och den smarta fabriken.



Collaboration Arenas: Assar Industrial Innovation Arena



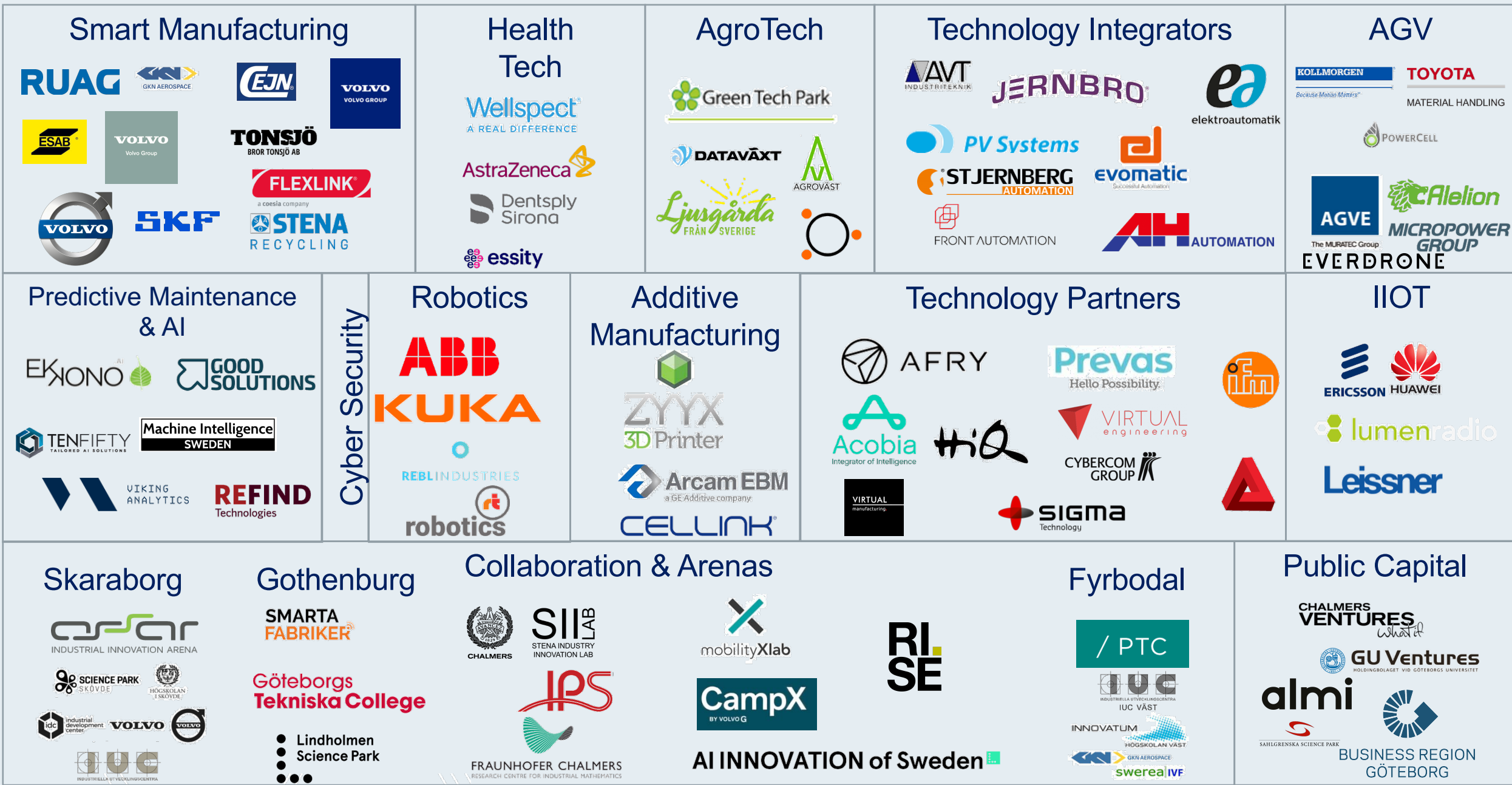


**What would you like
to see on the map?**



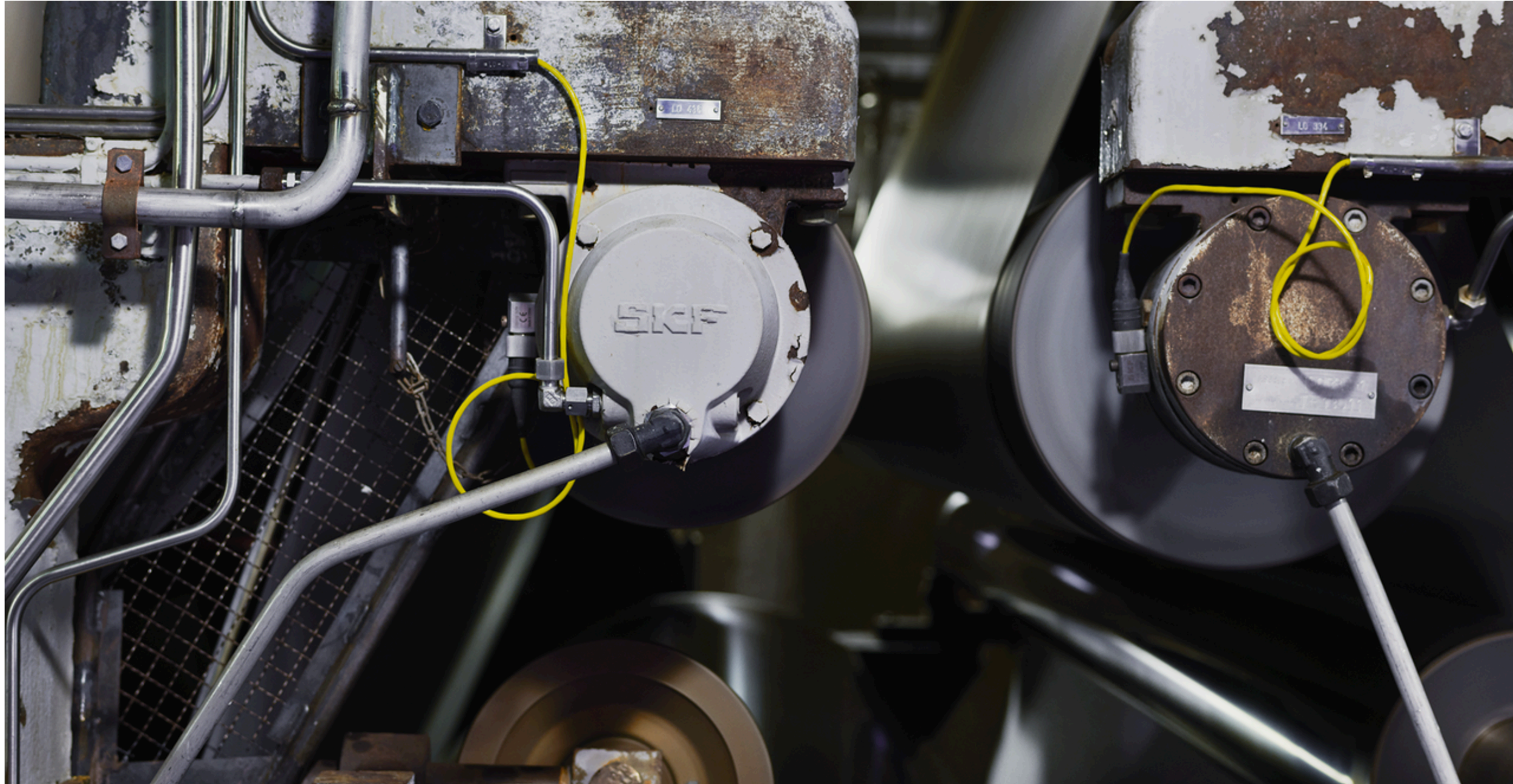
BUSINESS REGION
GÖTEBORG

West Sweden Industry 4.0 inspirational map

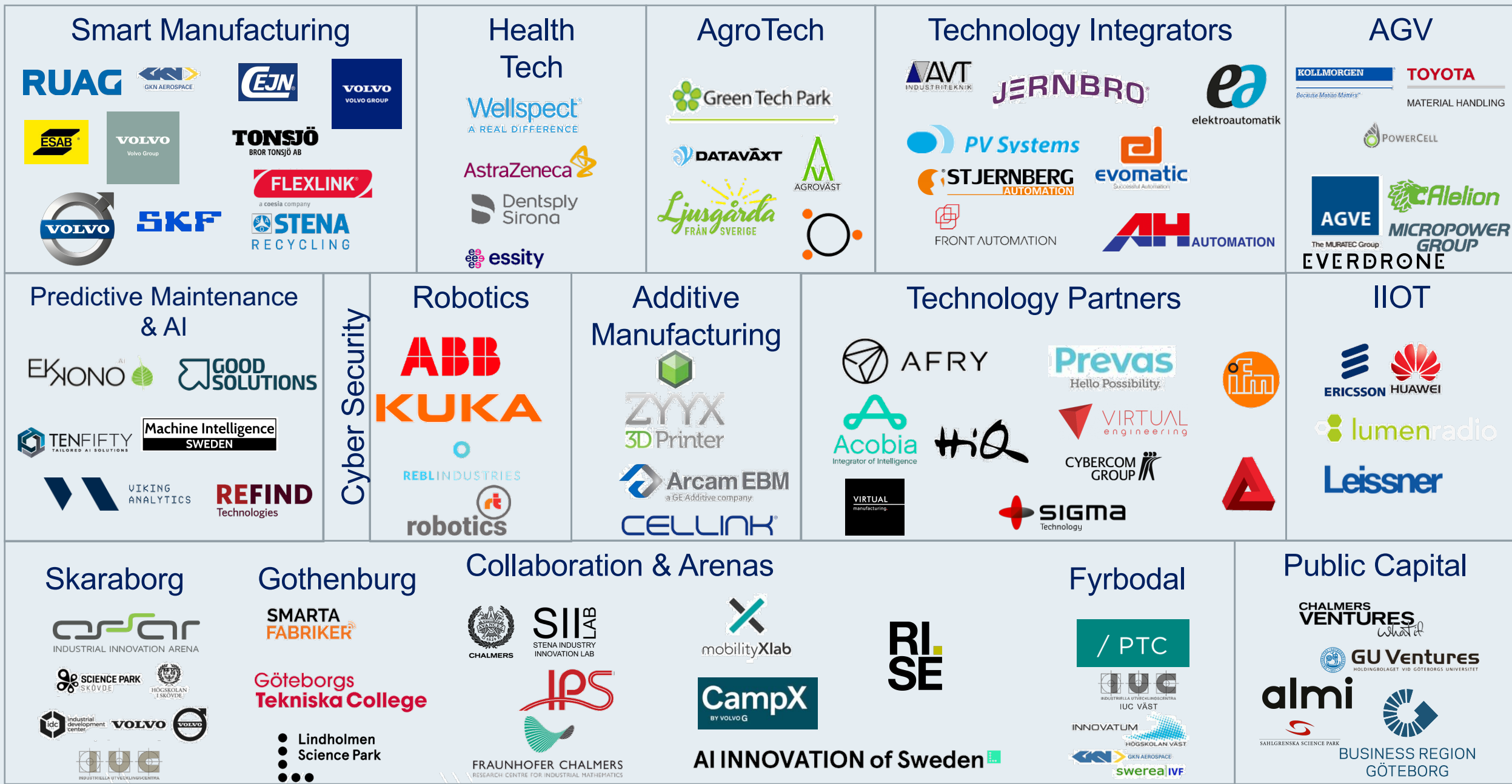




The Power of Predictability



West Sweden Industry 4.0 inspirational map





TONSJÖ

Meny 

Välkommen till Tonsjö!

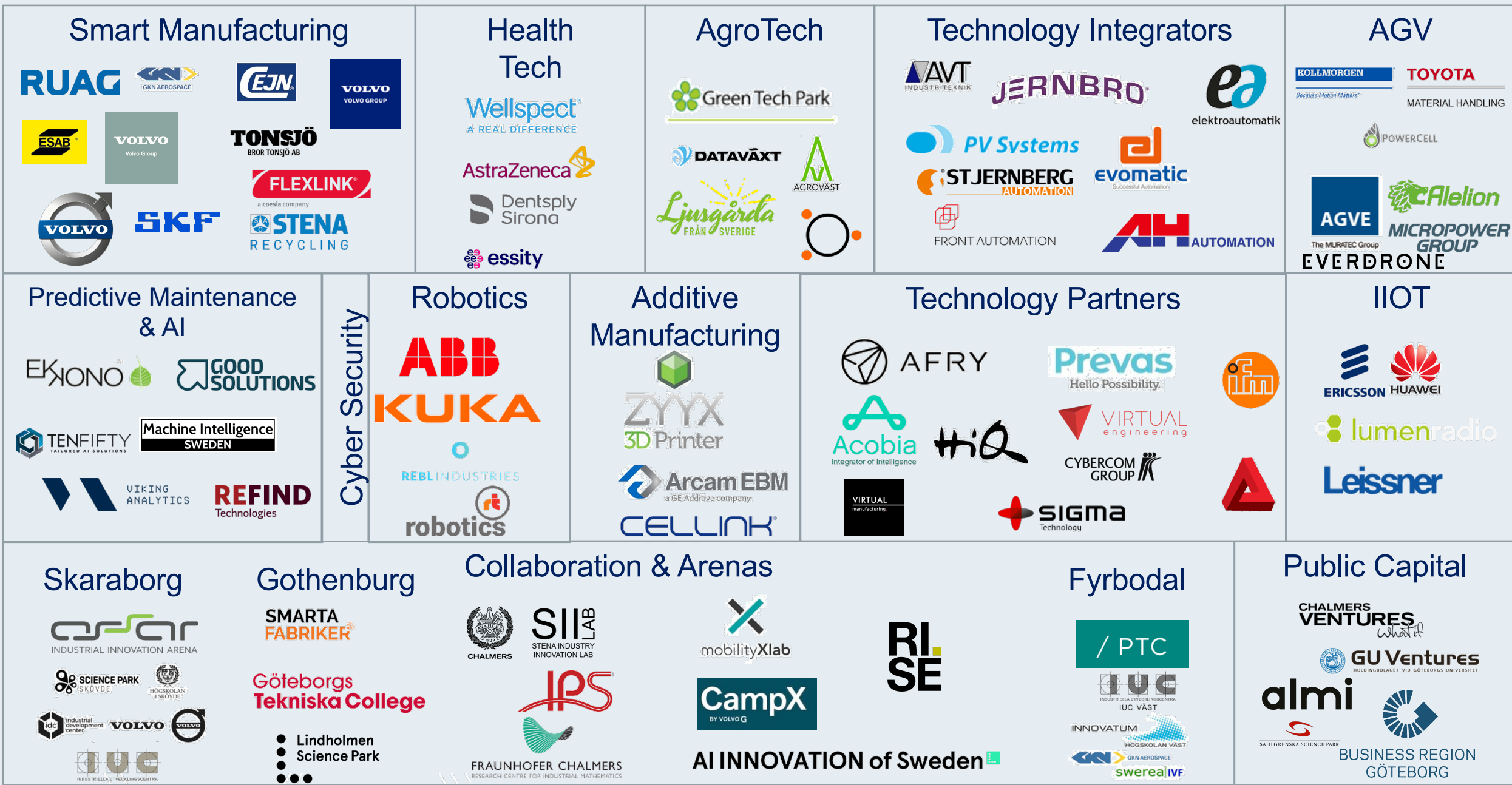
Ta del av Tonsjö-andan: ärlighet, lojalitet, glädje, långsiktighet, prestigelöshet, idériakedom och öppenhet!

[Vision](#) | [Affärsidé](#) | [Bakgrund / Historia](#) | [Företagsfakta](#) | [Rundtur](#) | [Broschyr](#)

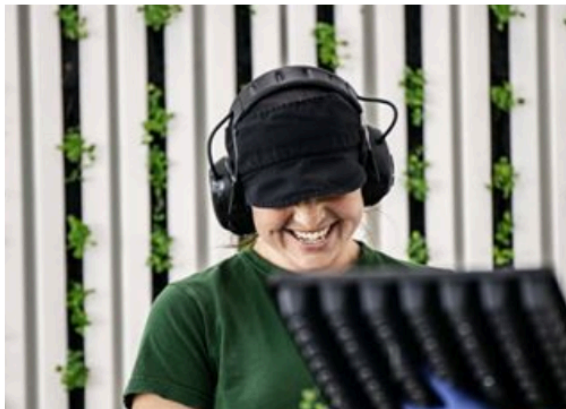


BUSINESS REGION
GÖTEBORG

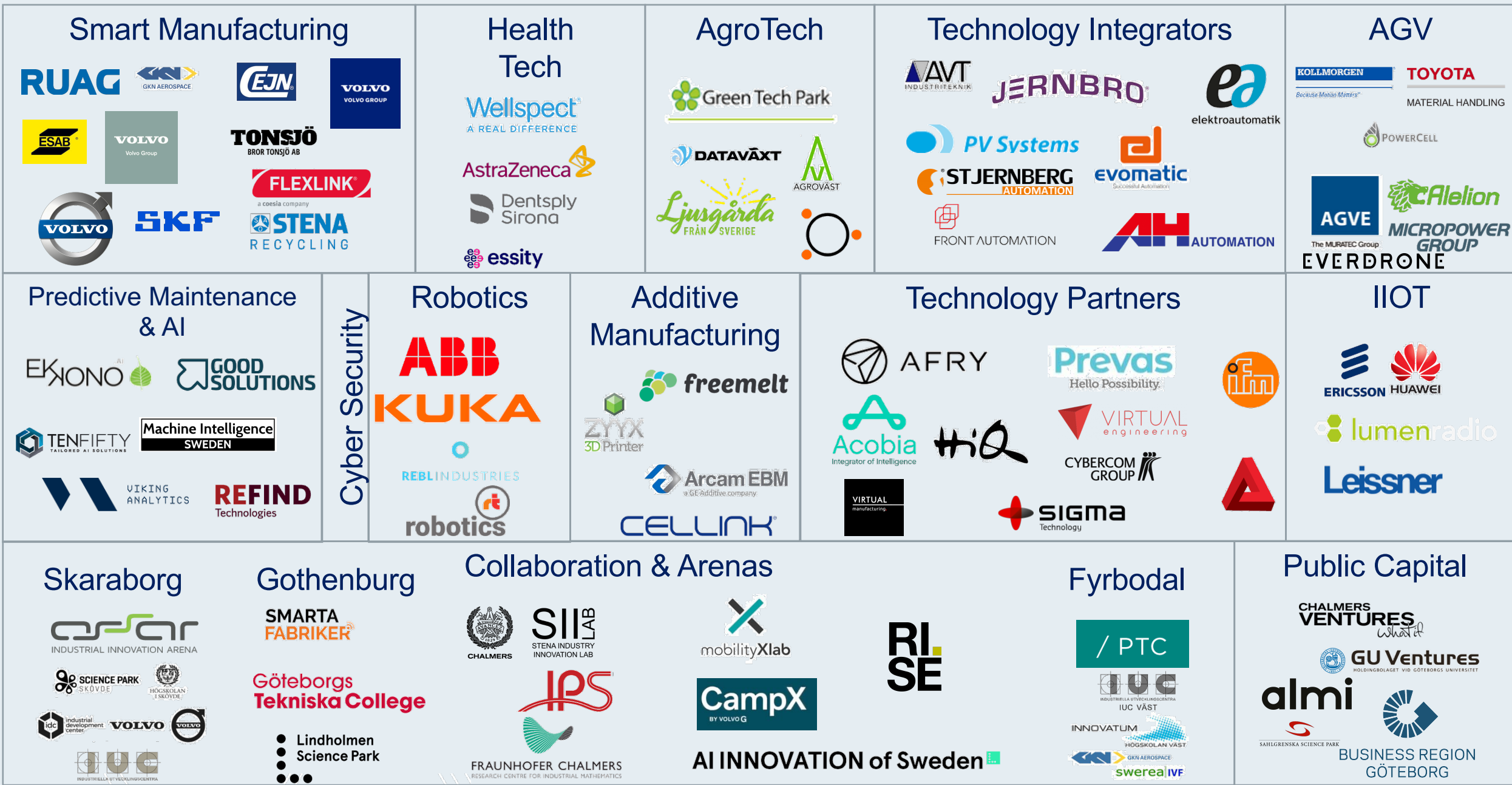
West Sweden Industry 4.0 inspirational map



Följ oss på Instagram



West Sweden Industry 4.0 inspirational map



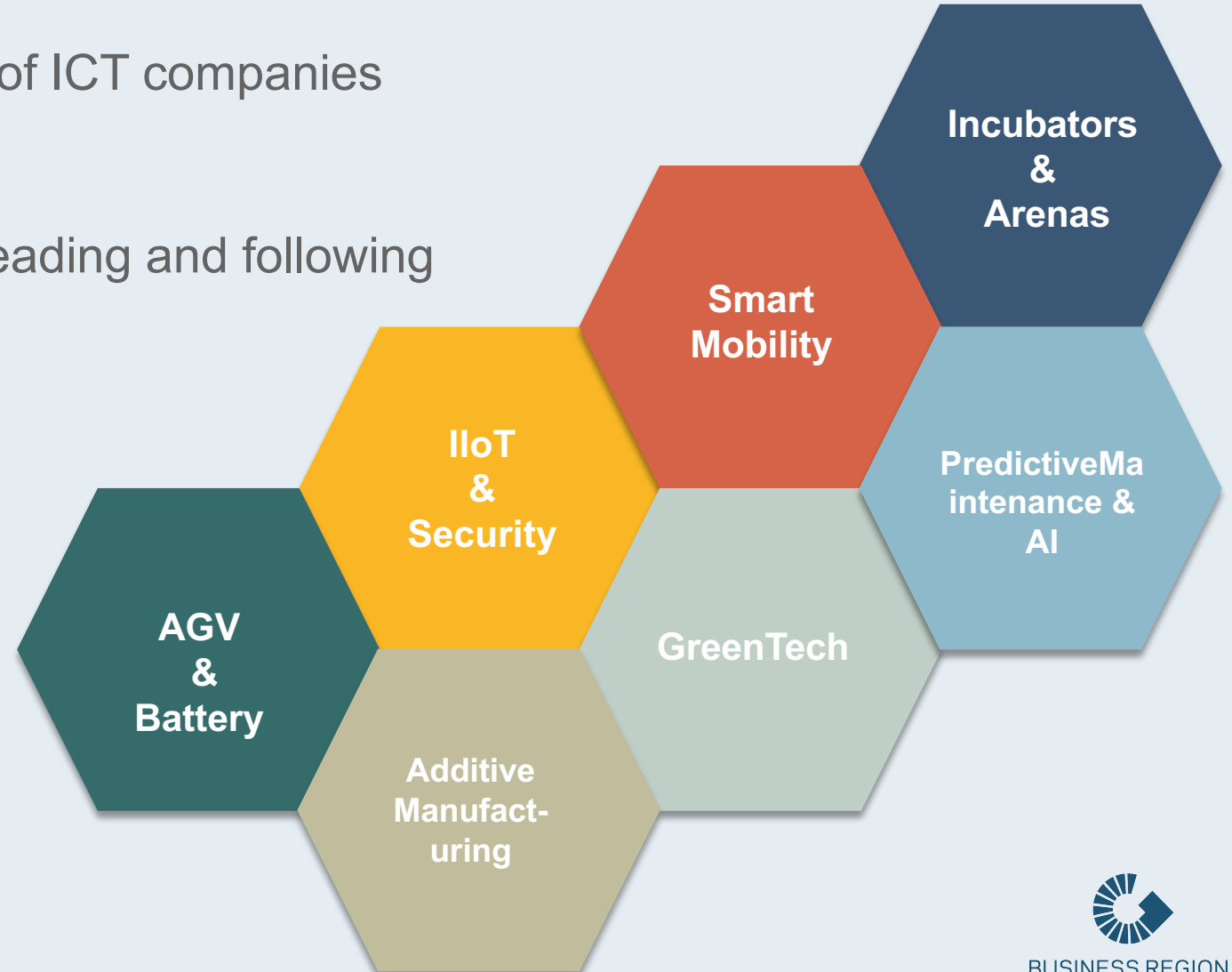
Key Findings – Gothenburg

We have an industrial heart with a lot of ICT companies
Industry 4.0 is a team effort

Industry consists of companies both leading and following

Strong cluster collaboration

We are in the beginning



Largest companies in the Gothenburg Region

Volvo Lastvagnar AB	3 925
Chalmers Tekniska Högskola AB	3 125
SKF Sverige AB	2 800
Postnord Sverige AB	2 525
Volvo Information Technology AB	2 475
Ericsson AB	2 225
AstraZeneca AB	2 175
Samhall AB	1 575
SCA Hygiene Products AB	1 425

Source: Statistics Sweden

CONFERENCES & MEETING SPACES

SPREADING THE WORD

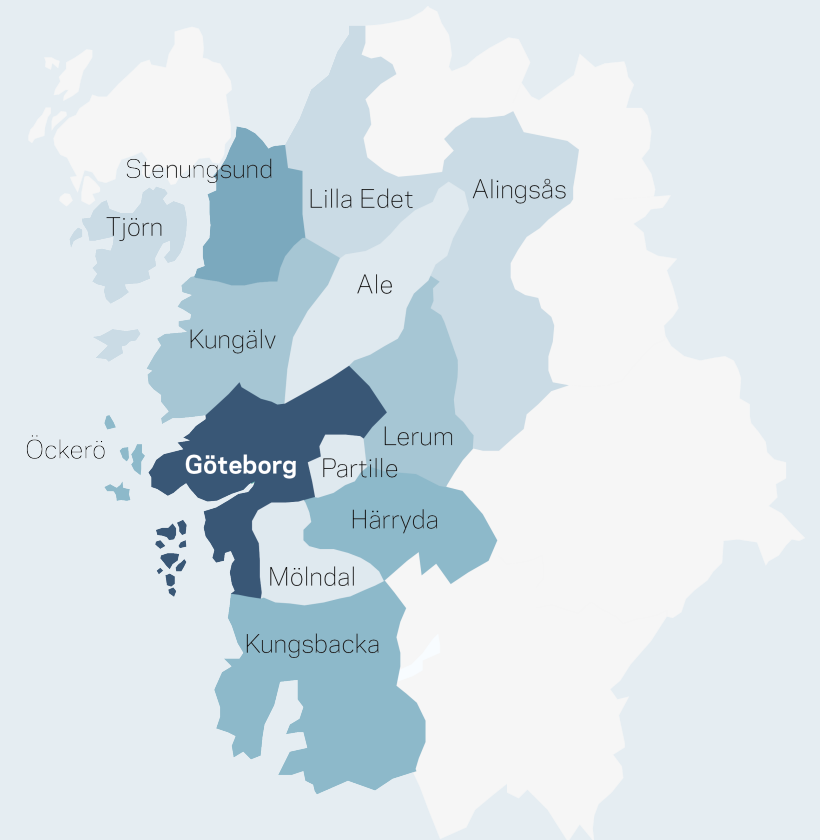
- Advanced Engineering, Åbymässan, September 2-3, 2020
- Underhållsmässan, Swedish Exhibition & Congress Center March, 2022
- Trä & Teknik Swedish Exhibition & Congress Center 2020
- Scanautomatic Swedish Exhibition & Congress Center October 6-8, 2020
- Processteknik Swedish Exhibition & Congress Center October 6-8, 2020



Do you work in ICT?

- Artificial Intelligence
- Connectivity & Mobility
- Cyber- & Information Security
- Microwave & Antenna Technology
- Visualization & Gaming

- Digitalization



Great. We do too!



Areas of strength within ICT

Key tool – Cluster Mappings

Industry 4.0 in West Sweden (2020)

AR and VR in West Sweden (2019)

ICT Education in West Sweden (2019)

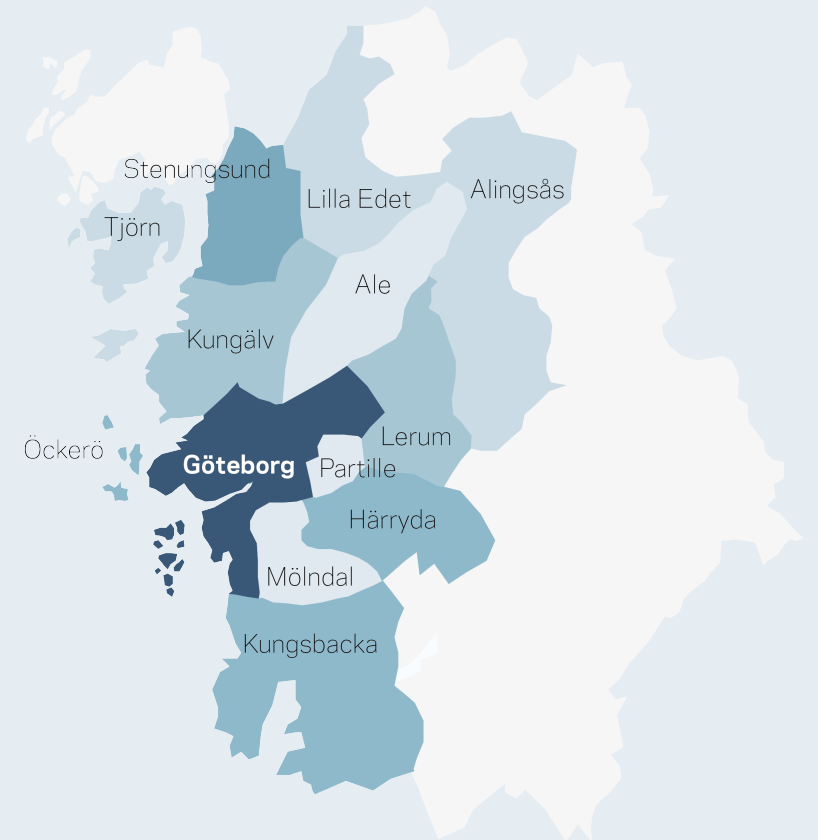
Microwave competencies in West Sweden (2019)

Big data, machine learning and AI in West Sweden (2018)

Cyber security in West Sweden (2018)

IoT in West Sweden (2017)

E-commerce in West Sweden (2017)



www.investingothenburg.com/target-industries/ict



BUSINESS REGION
GÖTEBORG

JOHAN HOGSVED

JOHAN@HELO.SE

Industry
4.0



BUSINESS REGION
GÖTEBORG