West Sweden

Big Data, Machine Learning & AI

An Inspirational Map

BUSINESS REGION GÖTEBORG

About Johan Hogsved

20 years of experience in combining Tech, Business & Leadership.
M.Sc. Engineering Physics, B.Sc. Business Administration.
Founding Partner at haw & co - IT-development & management consulting plus a startup
Working as a consultant for Business Region Göteborg
Evangelist

West Sweden - Map of Big Data, Machine Learning and AI

The Mission

Definitions

The Map

Select Industries, Companies & Actors

Next Step

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GÖTEBORG
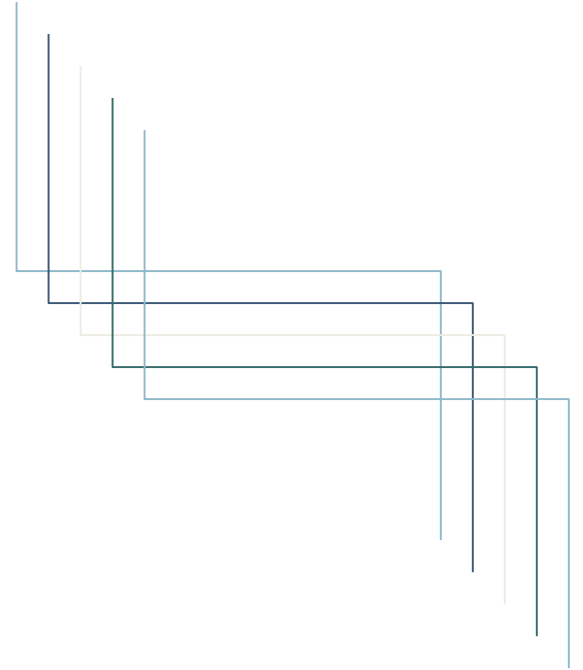
The Mission

Make a map featuring West Sweden actors in the Big Data, Machine Learning & AI arena

"Is it possible to find 100 companies and organisations in the Gothenburg Area only?"

Definitions used here

Big Data: The use of predictive analytics, user behavior analytics, or certain other advanced data analytics methods that extract value from data.

Machine Learning: A field of computer science that gives computers the ability to learn without being explicitly programmed.

Artificial Intelligence: When a machine mimics "cognitive" functions that humans associate with other human minds, such as "learning" and "problem solving"

What we laughed at in 2014…
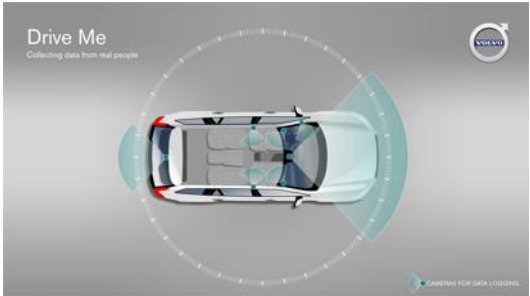
Where we are today…

BIG DATA, MACHINE LEARNING & AI INSPIRATIONAL MAP – WEST SWEDEN 2018

Applications (verticals)

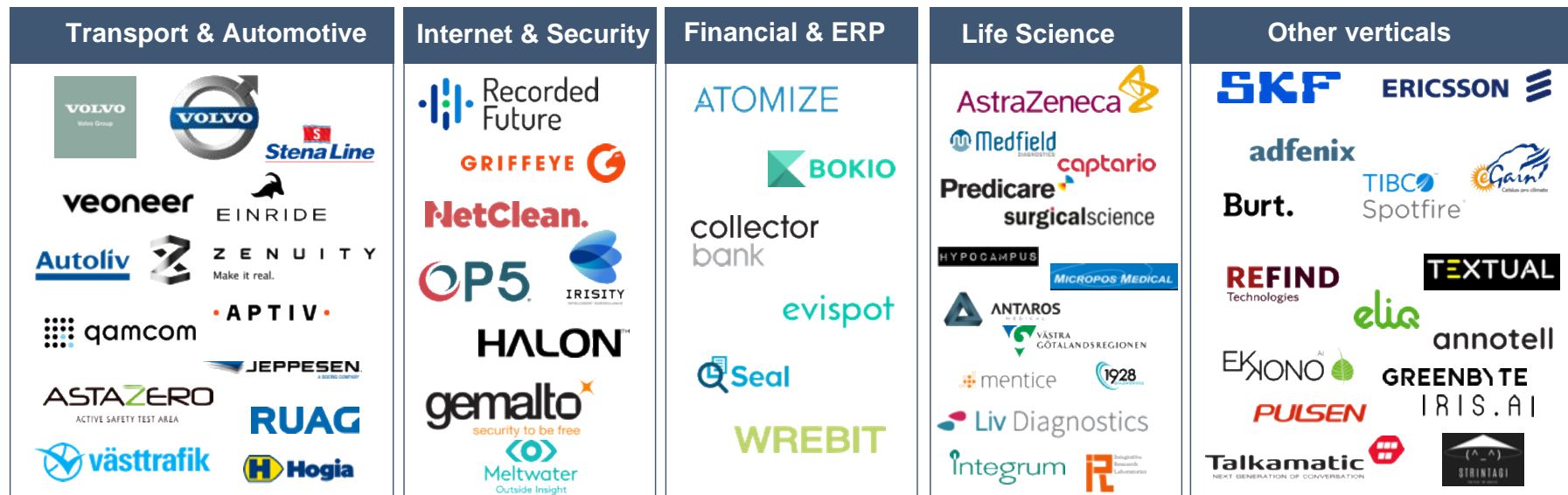| Transport & Automotive	Internet & Security	Financial & ERP	Life Science	Other verticals

Partners

Service	Research & Education	Incubators & Arenas

BIG DATA, MACHINE LEARNING & AI INSPIRATIONAL MAP – WEST SWEDEN 2018

Applications (verticals)

Transport & Automotive
VOLVO Volvo Group · VOLVO · Stena Line · veoneer · EINRIDE · Autoliv · ZENUITY Make it real. · APTIV · qamcom · JEPPESEN A Boeing Company · ASTAZERO ACTIVE SAFETY TEST AREA · RUAG · västtrafik · Hogia

Internet & Security
Recorded Future · GRIFFEYE · NetClean. · OP5 · IRISITY · HALON · gemalto security to be free · Meltwater Outside Insight

Financial & ERP
ATOMIZE · BOKIO · collector bank · evispot · Seal · WREBIT

Life Science
AstraZeneca · Medfield DIAGNOSTICS · captario · Predicare · surgicalscience · HYPOCAMPUS · MICROPOS MEDICAL · ANTAROS MEDICAL · VÄSTRA GÖTALANDSREGIONEN · mentice · 1928 · Liv Diagnostics · Integrum

Other verticals
SKF · ERICSSON · adfenix · Burt. · TIBCO Spotfire · eGain · REFIND Technologies · TEXTUAL · eliq · annotell · EKKONO · GREENBYTE · IRIS.AI · PULSEN · Talkamatic NEXT GENERATION OF CONVERSATION · STRINTAGI

Partners

Service
ADVECTAS Excellence in your decisions · CGI · BERGE · COMBINE · TENFIFTY TAILORED AI SOLUTIONS · SIGMA Technology · CYBERCOM GROUP · QRTECH · HiQ · Statistikkonsulterna JOINT & MR SAMPLE AB · knowit · FINDWISE SEARCH DRIVEN SOLUTIONS · COMBITECH · semcon

Research & Education
HALMSTAD UNIVERSITY · SAHLGRENSKA AKADEMIN · HÖGSKOLAN I SKÖVDE · UNIVERSITY OF GOTHENBURG · RI.SE · CHALMERS

Incubators & Arenas
MobilityXlab · DRIVE SWEDEN · CHALMERS VENTURES what if · almi · Lindholmen Science Park · SAFER · SAHLGRENSKA SCIENCE PARK · GU Ventures

Johan Hogsved, johan@hawco.se

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Applications (verticals)

Transport & Automotive

VOLVO (Volvo Group)

VOLVO

Stena Line

veoneer

EINRIDE

Autoliv

Z

ZENUITY Make it real.

APTIV

qamcom

JEPPESEN A BOEING COMPANY

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mentice

1928 ...

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Partners

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Excellence in your decisions

COMBINE

TENFIFTY TAILORED AI SOLUTIONS

SIGMA Technology

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DRIVE SWEDEN

CHALMERS VENTURES what if

almi

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SAFER

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GU Ventures HOLDINGBOLAGET VID GÖTEBORGS UNIVERSITET

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Volvo Cars - Innovation in Transportation

Volvo Trucks - Innovation in Transportation

AI LANDSCAPE – TRANSPORT & AUTOMOTIVE

VOLVO CARS

For Volvo Cars, technology should make people's lives easier. That's why our approach to autonomous driving is all about the people that will use them.

Our future cars will be able to navigate without human input, equipped with sensors that read the surroundings, adapting to changing traffic conditions.

VOLVO TRUCKS

"Our work is about where the technology meets the customer benefit. As a starting point, we look at the demands put on customers by their customers. We are focused on solutions that can make difficult, repetitive and time-consuming tasks easier for all concerned."

Hayder Wokil

Autonomous & Automated Driving Director,
Volvo Truck

ZENUITY Make it real.

Our company originates from the safety leaders of the automotive industry. We are young as a company but our starting point builds on robust industrial automotive solutions.

We have a unique skillset from Tier 1 and OEM domain knowledge. All the way from sensors to vehicle control.

We have joined forces to create an independent company offering our passion, technology, and solutions.

veoneer

Veoneer's ambition is to be a leading system supplier for ADAS and autonomous driving as well as a market leader in automotive safety electronics products.

Veoneer has the world's broadest automotive safety product portfolio, comprised of state-of-the-art active safety systems, restraint control systems, and brake systems.

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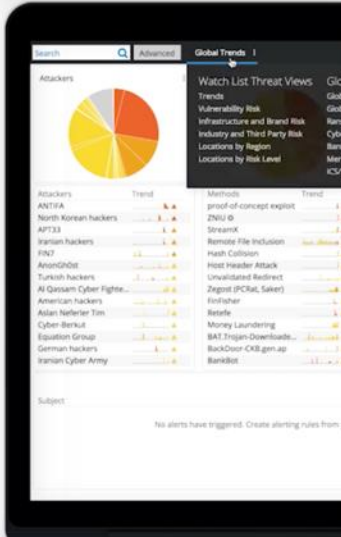
Recorded Future - Innovation in Cyber Security

BUSINESS REGION
GÖTEBORG

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AI LANDSCAPE – INTERNET & SECURITY

Recorded Future

You need more than just internal network data to uncover evolving and stealthy threats.

We believe machine learning combined with human expertise is unrivaled at scaling the delivery of contextualized threat intelligence.

GRIFFEYE

"The world's premier platform for accumulating knowledge and building intelligence"

A revolutionary, open and modular digital investigation software used by national security, defense and law enforcement agencies around the world.

HALON™

Halon consists of a dedicated team of doers. Together we have set out to change the landscape of email technology, by enabling service providers to tailor their perfect email infrastructure.

IRISITY
INTELLIGENT SURVEILLANCE

"To err is human, they say. But in the security business, the goal is a zero fail rate, something nobody comes closer to than Irisity."

Irisity's solution: To combine Artificial Intelligence and Machine Learning and couple it with vigilant human input.

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Johan Hogsved, johan@hawco.se

AI is getting ready for healthcare.
But is healthcare ready for AI?

SAHLGRENSKA
SCIENCE PARK

Life Science study made by Petra Apell

AI can create value across the value chain

R&D
- Drug discovery
- Drug Design
- Clinical trials

Product & service
- Supply & distribution
- Product portfolio
- Education

User experience
- Diagnosis
- Patient support
- Decision support

AI LANDSCAPE – LIFE SCIENCE

AstraZeneca

"Great minds in a vibrant environment inspires scientific innovation"

Our Gothenburg site is one of AstraZeneca's three strategic science centres. We thrive in a multinational environment working cross-functionally across the globe with AstraZeneca colleagues as well as academic and industry partners.

Integrum

The Integrum OPRA Implant System is a bone-anchored system based on osseointegration, where the prostheses are directly attached to the bone, thereby avoiding the use of a socket.

The system is clinically well tested and, since 1990, it has helped more than 400 individuals to improve their quality of life.

Integrative Research Laboratories

IRLAB Therapeutics is a leading research and development company focused on illnesses in the central nervous system (CNS), currently focusing on the development of drugs to assist patients with Parkinson's disease.

MICROPOS MEDICAL

Micropos Medical is a Swedish medical device company with technology for enhanced radiotherapy of cancer, like hypofractionation and stereotactic radio surgery (SRS) / stereotactic body radiotherapy (SBRT).
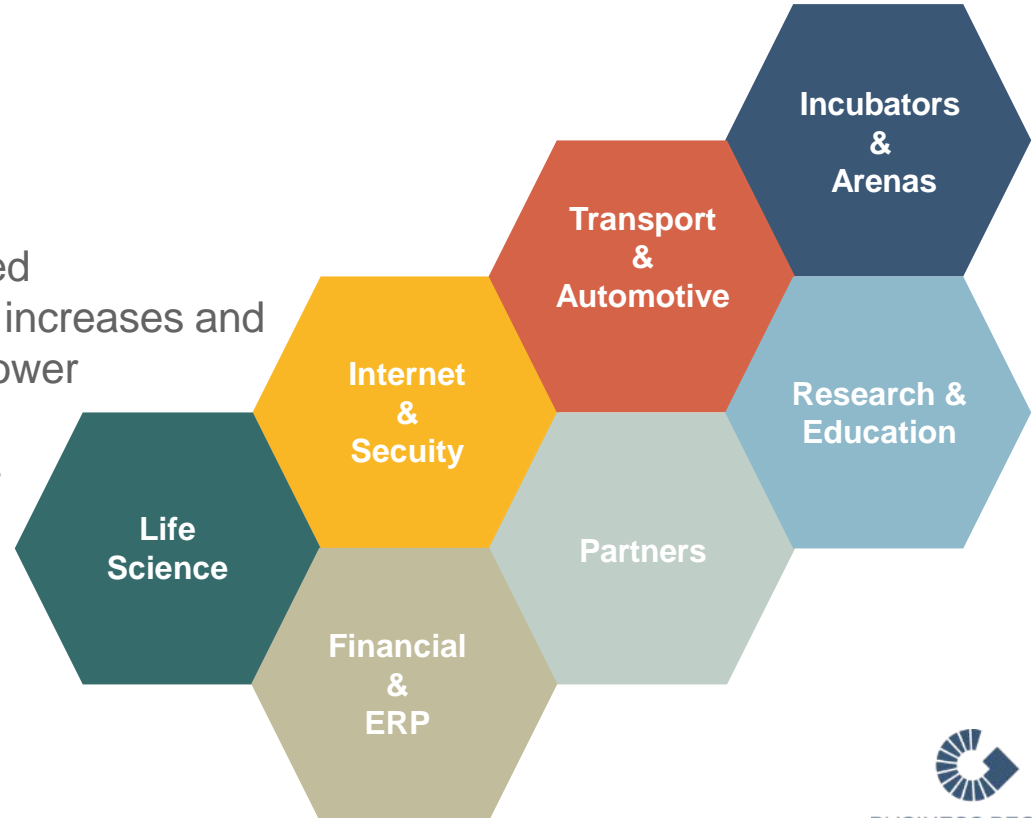
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Key Findings

Rapid growth in the region

Found in almost every vertical

Usage of technologies adapted to need
The possibilities using the technology increases and
the threshold to start gets lower and lower

All actors are not world leading in AI –
but use it to improve their
current business

CONFERENCES & MEETING SPACES

SPREADING THE WORD

➤2018-04-10 GAIA Machine Learning & Data Science Conference 2018

➤2018-04-12 Vehicle Electronics & Connected Services – Lindholmen

➤2018-04-23 Foss North

➤2018-04-24 Vitalis 2018 - E-health

➤*2018-04-26 MedTech West Workshop – Invitation only*

➤2018-05-21 Gothenburg Tech Week

➤2018-05-27 ISCE 2018 – International Conference on Software Engineering

➤2018-05-29 Lindholmen Software Development Day 2018

➤2018-09-27 Park Annual 2018 – Life Science, incl. Digital Health & MedTech

➤MeetUp Machine Learning & Data Science (GBG)

Thank you!

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GÖTEBORG