

# Unlocking and protecting value

Transforming industries and cities with  
cybersecurity vigilance



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Digital Transformation and Cybersecurity

**COMBITECH**

# Shaping a smart and resilient society

Solid experience in defence, industry and public sector



Combined power of people and cutting edge technology



We are a Nordic tech- and solution partner



Smart and secure industries



Smart and sustainable community



Smart and resilient total defence

Experts:

# 21000



We transfer knowledge and experience between sectors



# 3,4

Billion SEK

## Turnover

## Ranking

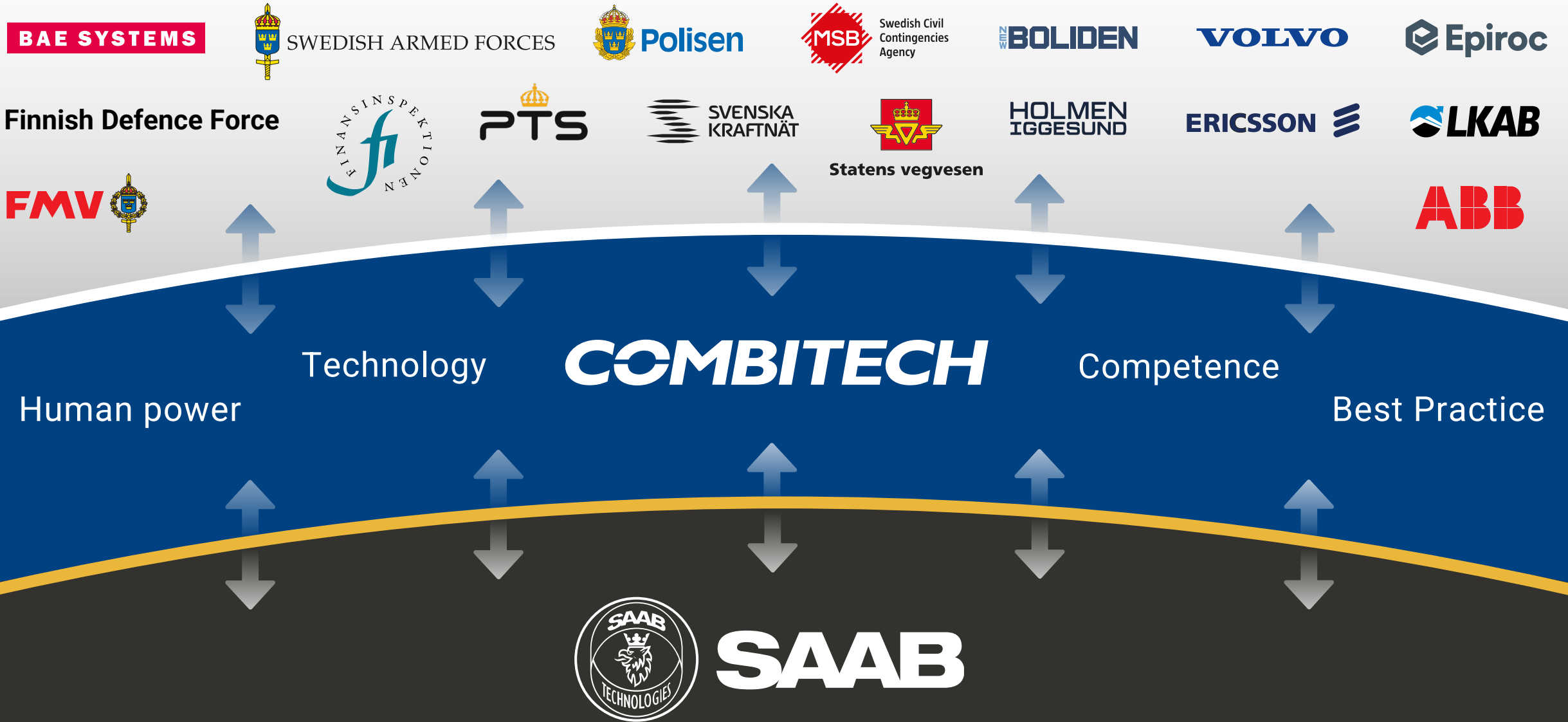
Best Employer in Sweden

# 14



Strong legacy and wholly owned by **Saab**

# We are transferring competence & technology





# DIGITAL TRANSFORMATION OF CITIES AND INDUSTRIES IN SWEDEN



SUSTAINABLE UNDERGROUND MINING



PORT OF GOTHENBURG



CROSSWAYS VÄXJÖ

## GOALS

- CO2 FREE (AUTONOMOUS AND ELECTIFIED)
- SAFE MINING AT GREAT DEPTH
- INCREASED PRODUCTIVITY
- REMOTE CONTROLL
- PLATTFORMS FOR DATA EXCHANGE
- DIGITAL ECOSYSTEMS

- CO2 FREE (AUTONOMOUS AND ELECTIFIED)
- COMBINED CAPABILITIES
- INCREASED PRODUCTIVITY
- REMOTE CONTROLL
- PLATTFORMS FOR DATA EXCHANGE
- DIGITAL ECOSYSTEMS

- CLIMATE POSITIVE DISTRICT
- COMBINE CAPABILITES
- DIGITAL ECOSYSTEMS
- ENERGY SHARING AND BALANCE
- PLATTFORMS FOR DATA EXCHANGE



# CROSSWAYS VÄXJÖ

Smart City Project with focus on integration of data and digital technology in a city development process

COLLABORATION

DIGITAL ECOSYSTEMS

DATA ECONOMY



CLIMATE POSITIVE

INCLUSIVE

INNOVATION

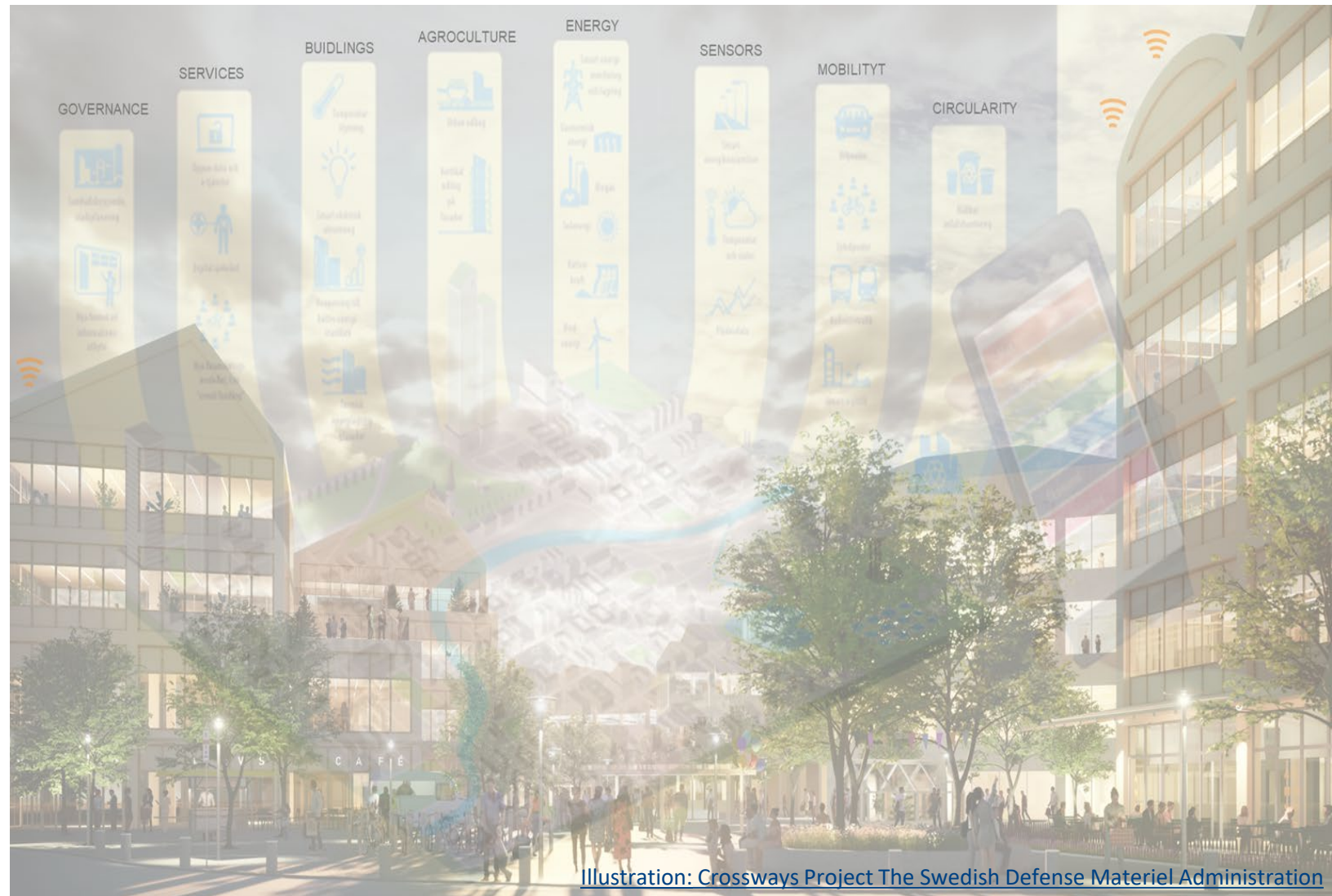


Illustration: Crossways Project The Swedish Defense Materiel Administration



SKANSKA



COMBITECH

SIEMENS

MICROPOWER  
PART OF MICROPOWER GROUP



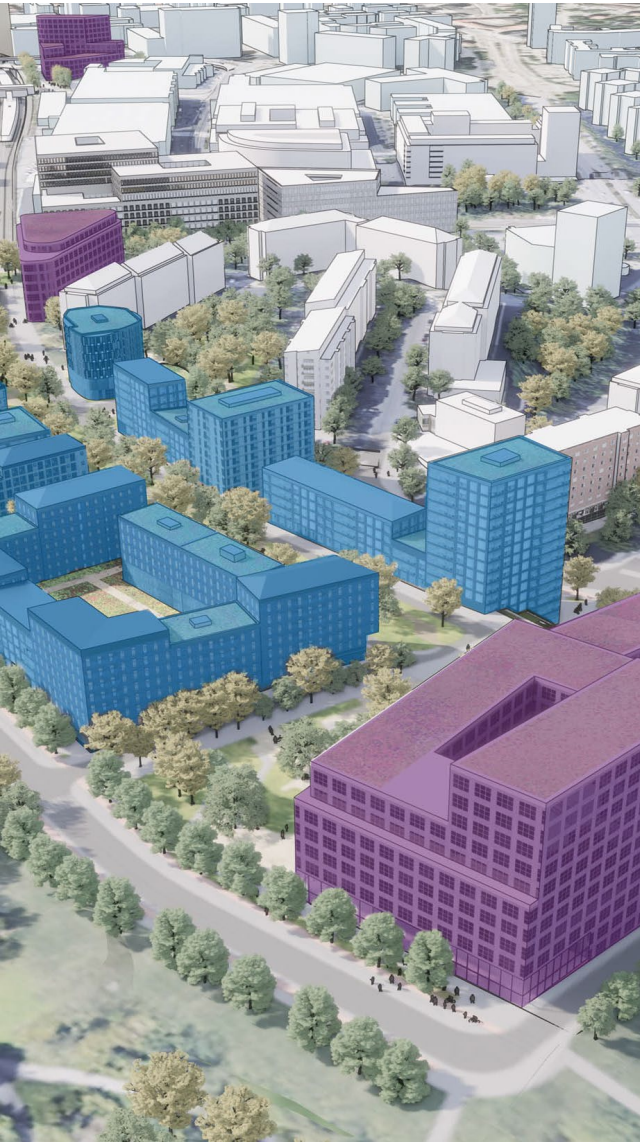
VEAB  
VÄXJÖ ENERGI



WEXNET

# TRADITIONAL CITY DEVELOPERS ARE GETTING DISRUPTED

Transformation toward data economy is changing the competition map and new actors are challenging traditional city developers.



TRADITIONAL ACTORS

SKANSKA

NCC

NEW ACTORS

Google



In Toronto, Canada, Google's sister company Side Walk Labs has planned to build a brand new neighbourhood

Electrolux



Electrolux contributes smart appliances for next generation sustainable housing in Stockholm

IKEA

IKEA starts selling renewable energy to households in Sweden

ABB

Smart Cities



We make cities smarter

Smart city is a continuously evolving ecosystem, empowering individuals to live, work and move in a safer, smarter and more sustainable way. Inspiration from ABB support agreements for improved quality of life, safety, efficiency and sustainability.



ABB Solutions for Smart Societies



HUAWEI

Huawei ska fortsätta växa inom "smarta städer" – trots sanktioner



Ericsson technologies help shape the future of mobility

At Kista Mobility Day, the region's forefront tech companies gather to share new possibilities that will enable the future of sustainable mobility.

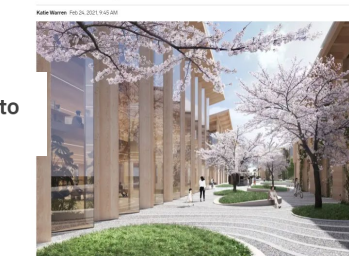
NEWS | 2019-04-26/22

50 Connected vehicles | Innovation



TOYOTA

Toyota just started building a 175-acre smart city at the base of Mount Fuji in Japan. Photos offer a glimpse of what the 'Woven City' will look like.

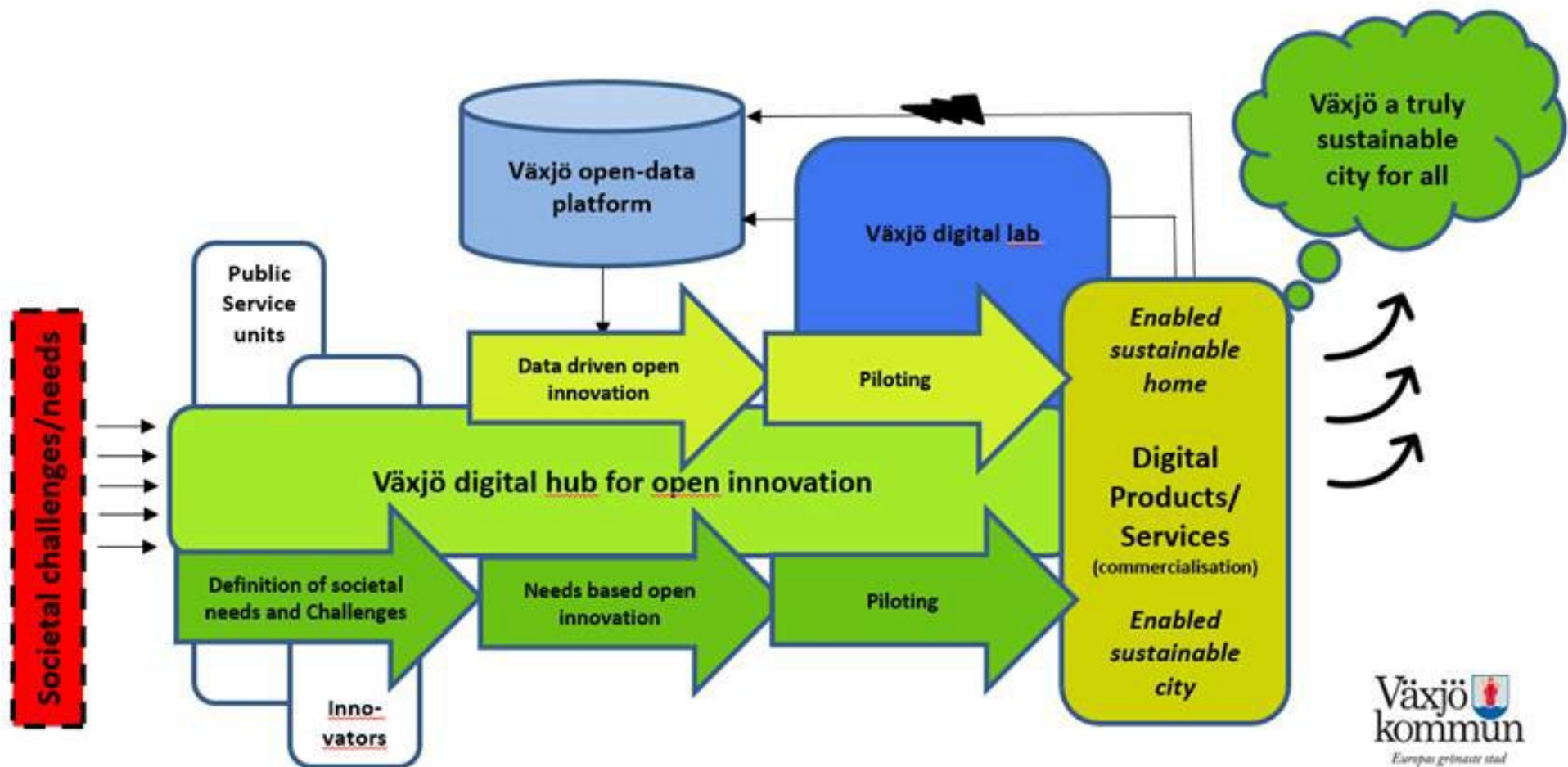


The 'Woven City' will eventually be home to 2,000 Toyota employees and their families, retired couples, relatives, and scientists, according to the company. Toyota

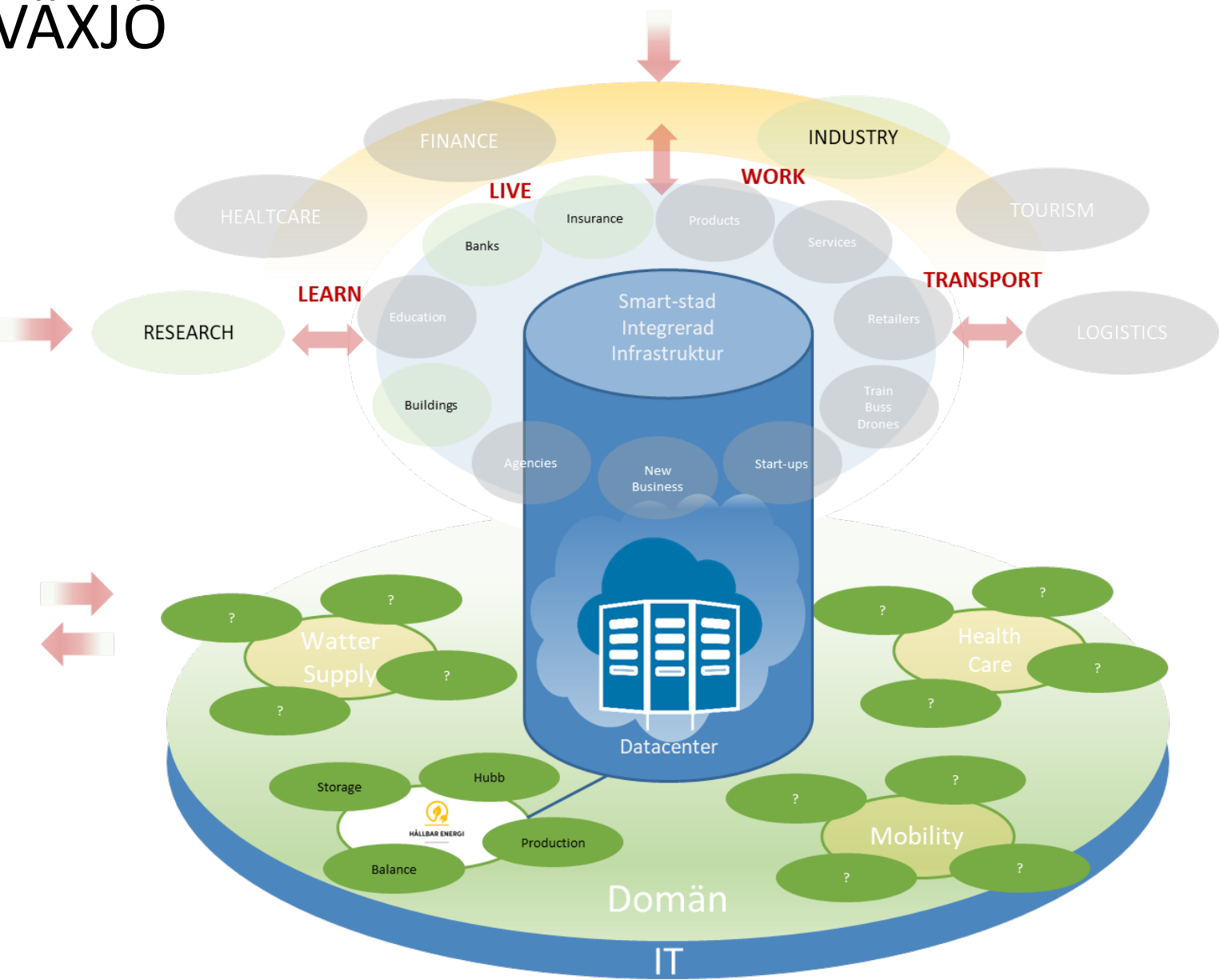


# SMART SERVICES AND CROUDFUNDING BUSINESS MODELS

## Acceleration of open digital innovation for medium size, sustainable cities



# SMART CITY PLATFORM – CONCEPTUAL DESIGN FOR VÄXJÖ





# TRANSFORMATION OF THE PORT OF GOTHENBURG

Strategic collaboration in joint customer solutions

COLLABORATION

DIGITAL ECOSYSTEMS

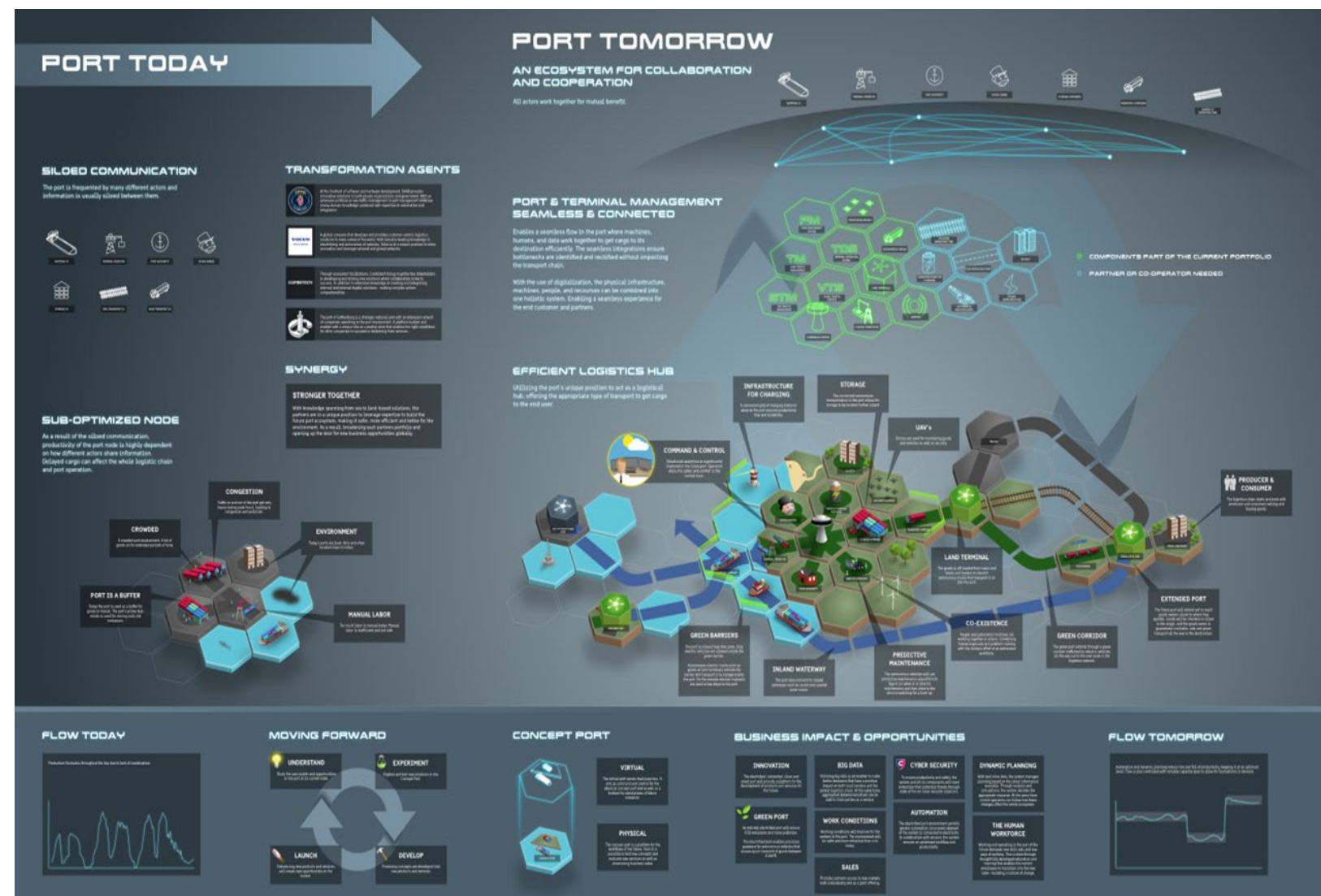
DATA ECONOMY



ELECTRIFIED

CARBON-NEUTRAL

AUTONOMOUS MARITIME HUB



SAAB

COMBITECH

# TRANSFORMATION OF THE PORT OF GOTHENBURG

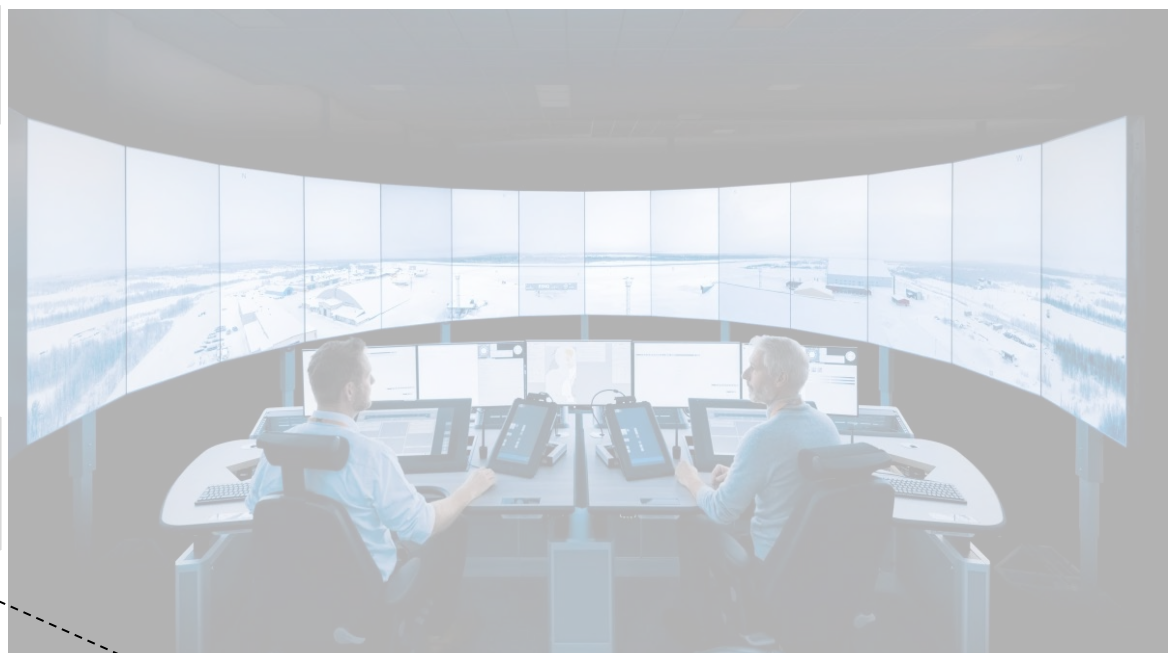
Data exchange is becoming a dynamic force in multiple ecosystems



DATA SHARING  
AMONG KEY  
PARTNERS



INTEGRATED  
AND SECURED  
SOLUTIONS



OPEN DATA  
ECOSYSTEM



RETAILERS



CITY OF  
GOTHENBURG



OTHER SHIPING  
COMPANIES





# A NEW WORLD STANDARD FOR DEEP MINING

One of Sweden's largest industrial investments ever

SMART VEHICLE SOLUTIONS

BATTERY DRIVEN

AUTONOMOUS

ELECTRIFICATION

AUTOMATION

ECOSYSTEMS

REMOTE



SUSTAINABLE UNDERGROUND MINING

SAFE

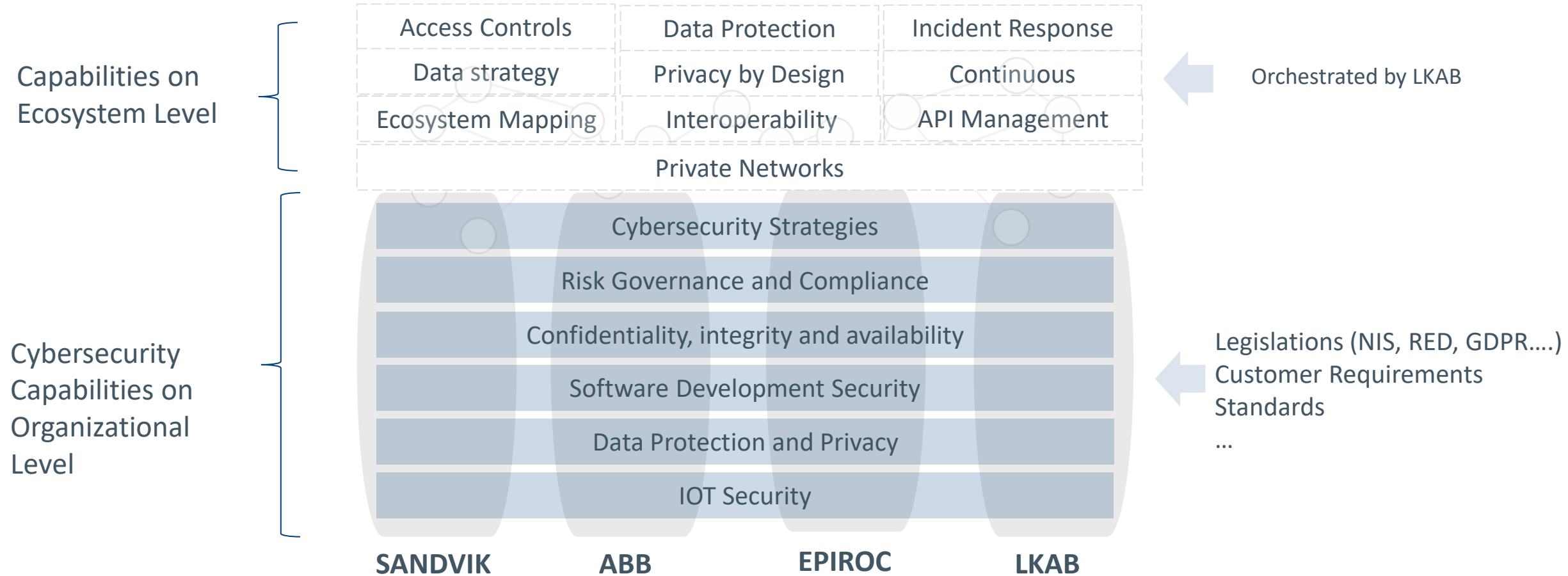


Sustainable  
Underground  
Mining

LKAB ABB COMBITECH SANDVIK Epiroc

# STRONG SECURITY AND PRIVACY ARE ESSENTIAL FOR DIGITAL ECOSYSTEMS

While silos are acceptable for certain aspects, it's imperative to orchestrate cybersecurity capabilities at an ecosystem level as well



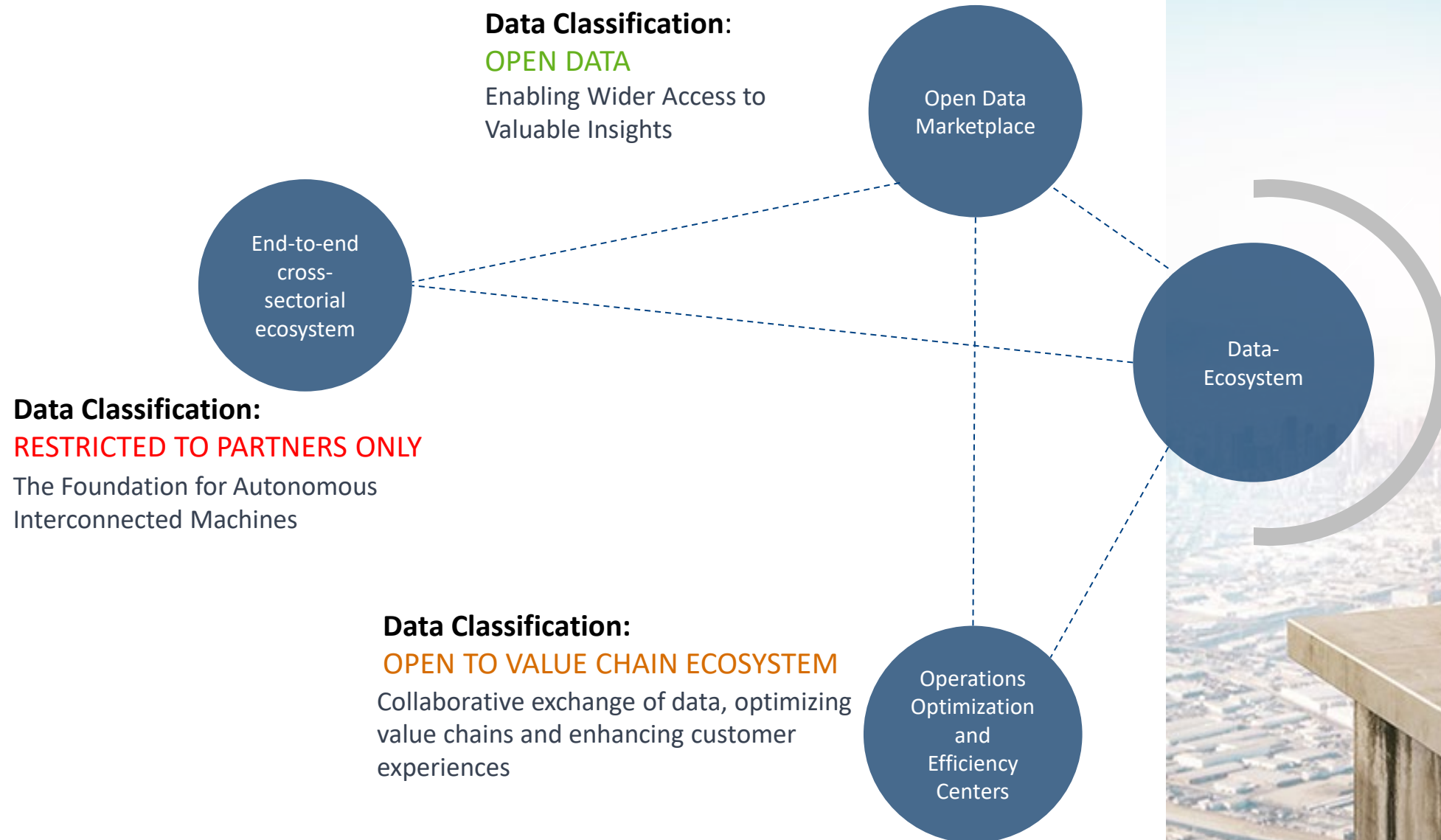


# KEY TAKEAWAYS



# THE KEY STONE OF SECURE DATA EXCHANGE IS DATA CLASSIFICATION

Data in digital economy must be shared but can be protected only if classified





# ESSENTIAL INSIGHTS FROM INDUSTRIAL TRANSFORMATIONS

**Value of Digital Transformation**

Embracing digital transformation and data sharing in industrial ecosystems and smart cities unlocks enormous value in terms of efficiency, sustainability, and quality of life.

**Collaboration and Information Sharing**

Collaboration among stakeholders is vital to fortify ecosystem defenses against cyber threats.

**Regulatory Compliance**

Adhering to cybersecurity regulations is crucial, beginning at the company level before entering the ecosystem, to establish a baseline.

**Secure Data Sharing**

Classification of data and secure protocols are prerequisites for sharing data within ecosystems.





# **COMBITECH**

Shaping a smart and resilient society