

Digital in Operations

Getting Smarter Everyday

Smart Factory/Metaverse

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AstraZeneca in Sweden



AstraZeneca's significance in numbers

- **17** billion SEK AstraZeneca AB's investment in R&D (2020)
- **91** billion SEK In Swedish exports (2020)
- **6.4%** of Sweden's total export of goods (2020)
- **7,400** employees across AstraZeneca Sweden (Jan 2022)
- **2,800** in Gothenburg
- **4,600** Södertälje



We have a bold ambition in Global Operations

To deliver accelerated growth
for AstraZeneca, and to make
people's lives better



Accelerate Smart Factories



Continue to innovate –
think big, start small,
learn or scale fast



Make prioritised
digital building blocks
available ‘on demand’



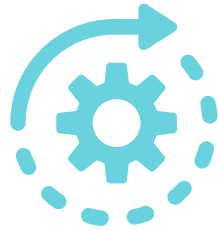
Focus on people –
capabilities, collaboration
& mindset



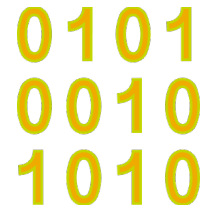
We know the formula to make our vision a reality



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Engaged People

Efficient & Simple Process

Robust Data

Latest Technology

Accelerated Value

- Op Model & org design
- Skills & capabilities
- Culture & Mindset

- Simplified processes
- Skilled process owners
- Clear decision rights

- Data quality
- Data governance
- Insights & Analytics

- Reusable Platforms
- Connected Data
- Rapid Agile Delivery

...for patients
...for our people
...for our business
...for the planet





Focusing on high value opportunities to create a network of connected smart factories

Immersive Experiences

We are using Augmented and Virtual Reality...

...so we can reduce lead-time to train operators, increase collaboration and improve safety and efficiency.

3

Factory Dashboards

We are using Analytics and Visualisations...

...so we can empower our people to make rapid patient centric and sustainable decisions based on real-time data

4

Digital Paperwork

We are using digital work instructions and workflow...

...so we can improve 'right-first-time', drive greater efficiency, productivity for our business and our planet

5

Factory Flow Simulation

We are using AI to create Digital Twins that optimise flow through operations...

...so we can deliver reduced lead time and increased productivity to get our medicines to patients more quickly

6

Digital Supply Chain

We are connecting the end-to-end supply chain for enhanced visibility, forecasting and planning...

...so we can distribute medicines to patients with greater speed and agility and reduced inventory

7

Advanced and Predictive Business Insights & Optimization

We are using Advanced and Predictive Analytics...

...so we can drive greater insight, predict outcomes, and optimise our processes to get the best outcome for people and our business.

2

Digital Drug Development

We are using In-silico Experimentation, Digital Twin Modelling and Simulation...

...so we can accelerate development lead times and reduce waste to benefit our business, patients and planet

1



Visit one of our metaverse smart factories



MANUFACTURING
Making affordable, quality medicines for patients

DEVELOPMENT
Accelerating the journey from lab to patient

RESEARCH
Improving our expertise from lab to patient



Accelerate digital and technical innovation

Accelerate digital and technical innovation

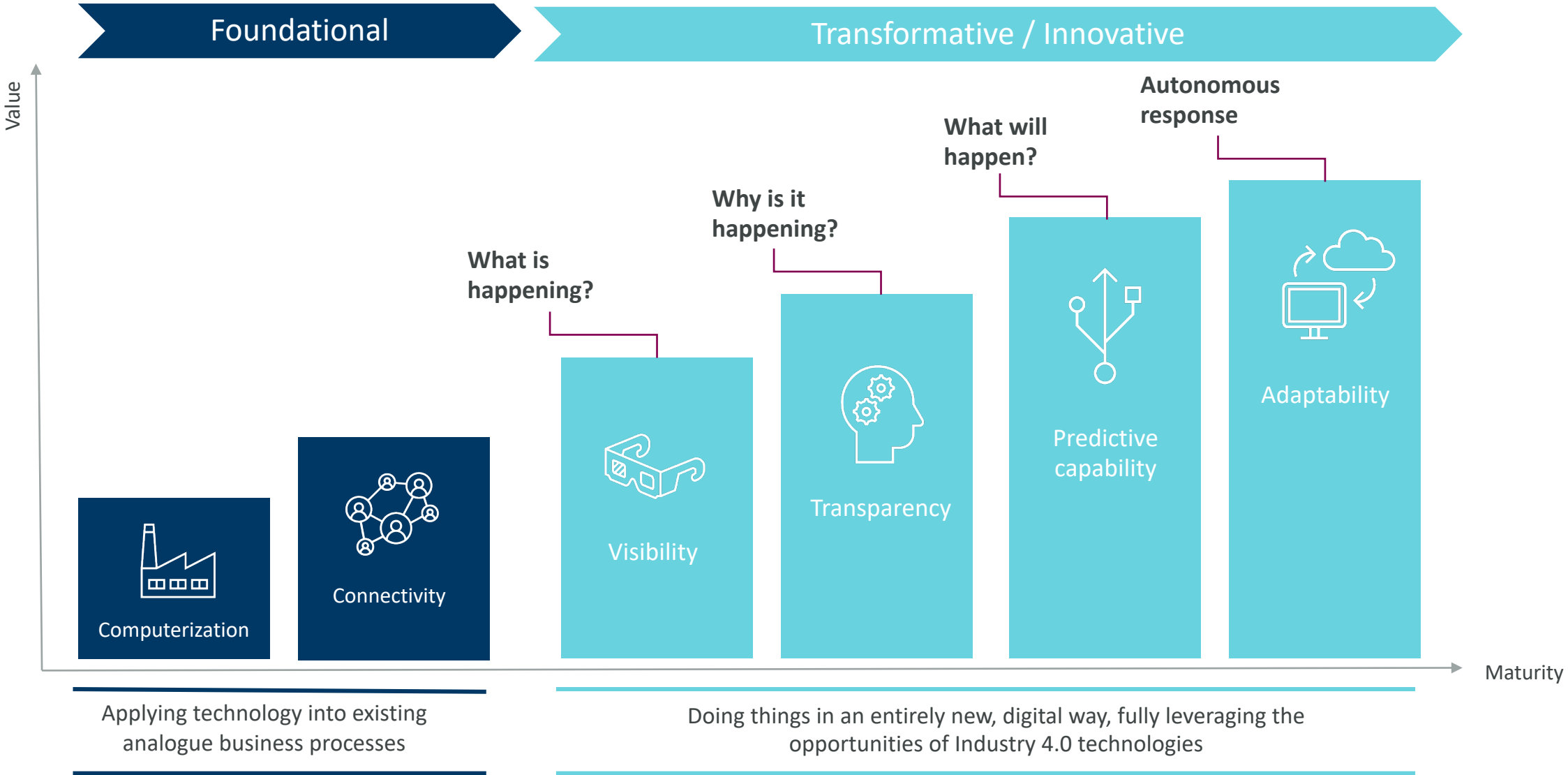
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AstraZeneca 

Scan the QR code to gain access to a virtual tour of our Smart Factories Innovation Hub!



We're making good progress on our digital transformation journey



Questions & Answers



Thank you
Tack
Danke
Gracias
Obrigado
Gracie
Merci
Спасибо
ありがとう



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