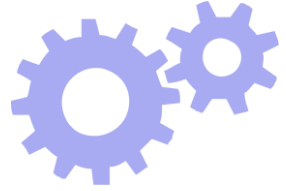




Preparing the Regulatory Landscape for Future Technologies, Services and Business Models

Erick Stephens, CTO Asia-Pacific, WW-Public Sector & Industries

Digital transformation is the next industrial revolution



Steam, water,
mechanical
production
equipment

1784



Division of labor,
electricity, mass
production

1870



Electronics,
IT, automated
production

1969



**Blurring the
physical and
the digital
divide**

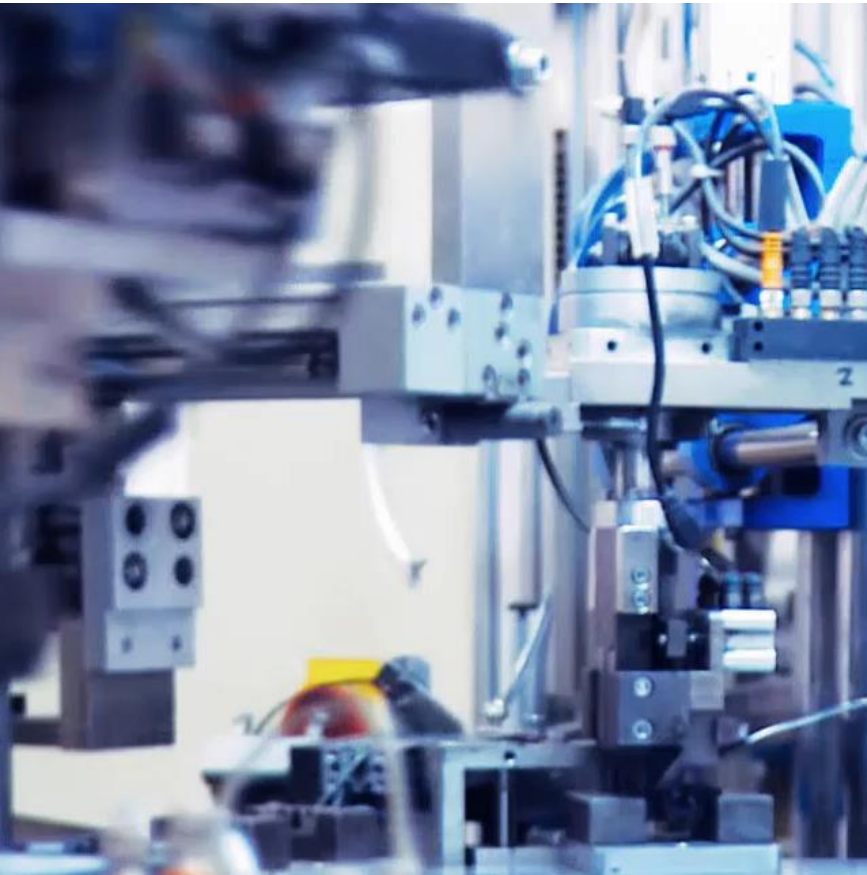
2016

Industrial Revolution 4.0

The Fourth Industrial Revolution

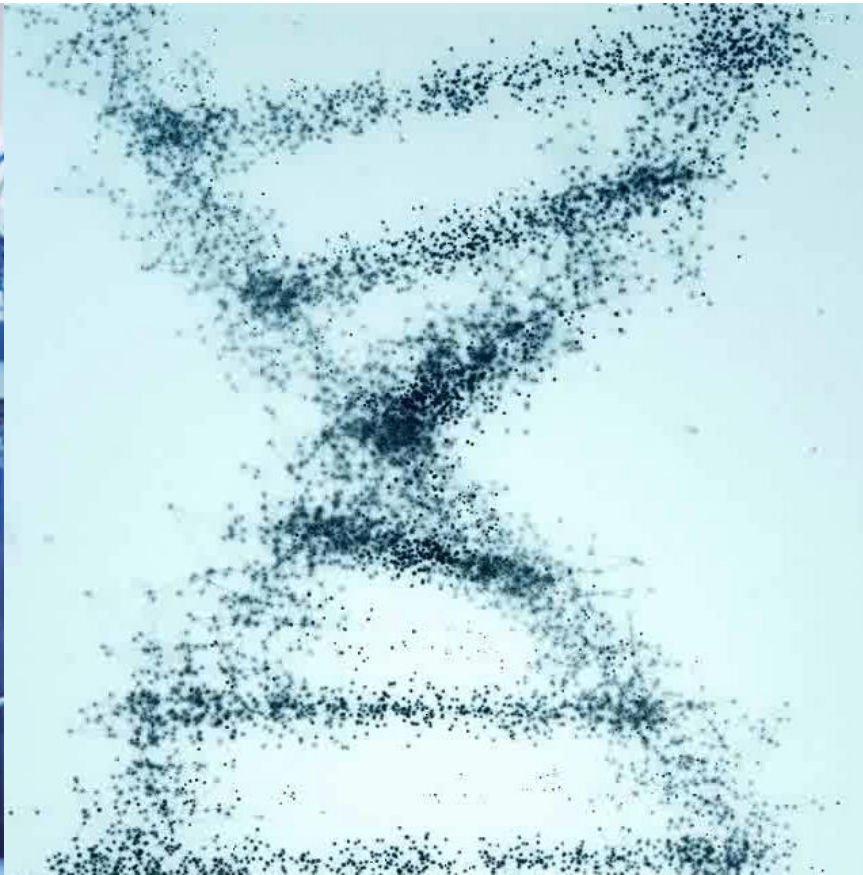
Physical

Autonomous vehicles, robotics,
3D printing, new materials



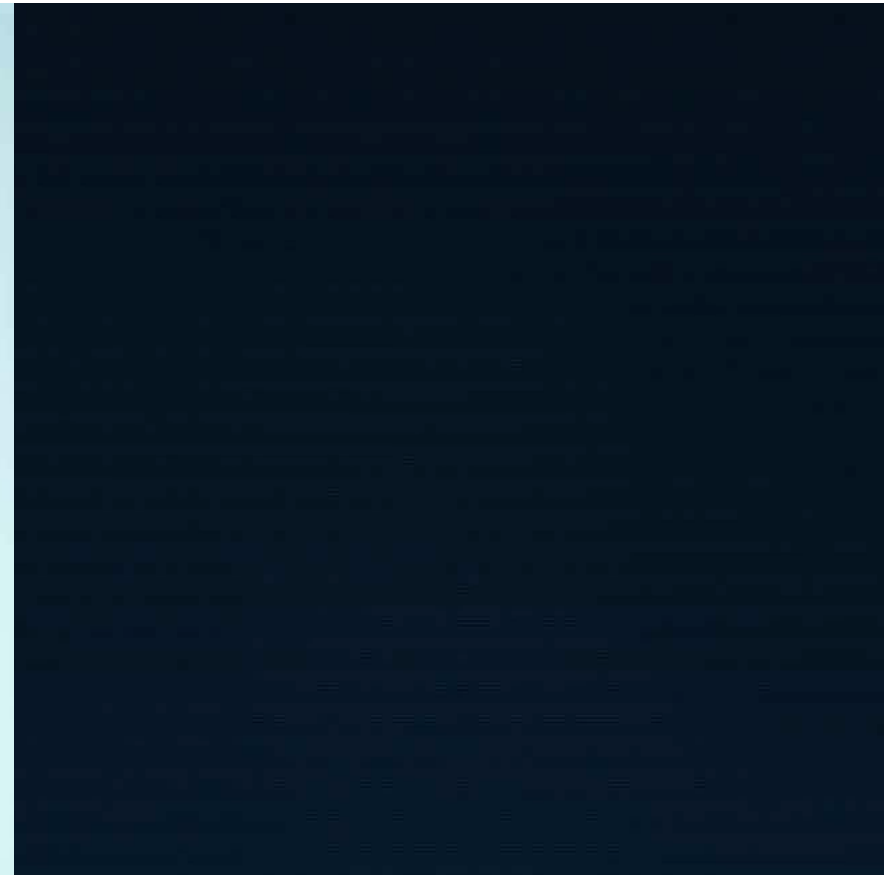
Biological

Genomic diagnostics,
treatment, engineering



Digital

IoT, Blockchain,
disruptive business models



Driving Forces behind the Digital Transformation

The Internet of things



Data management
and analytics

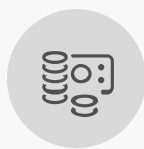


Application innovation

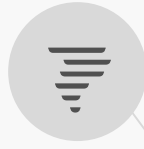


Cloud infrastructure





Economic development



Disaster resilience



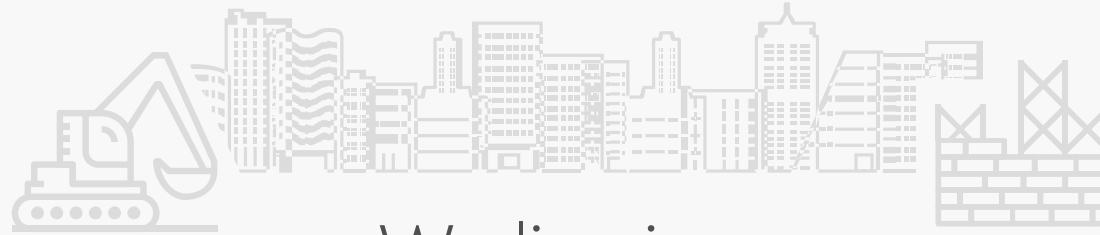
Urban mobility



Personalized healthcare



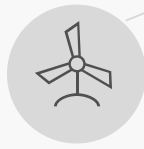
Public safety



We live in a **complex** world



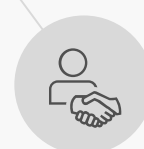
Social sentiment



Water & energy optimization



Pandemic management



Workforce development



Student Development

An aerial, black and white photograph of a cityscape. In the foreground, a large, multi-lane elevated highway curves through the scene. To the left, a cable-stayed bridge structure is visible. In the center, a tall, distinctive skyscraper with a rounded top stands out among other buildings. The background shows a dense urban area with various high-rise buildings and a body of water. The sky is filled with dramatic, heavy clouds.

SOLVING TODAY'S COMPLEX CHALLENGES
REQUIRES GREATER **ACCESS TO DATA**

WHAT MAKES DATA SHARING **CHALLENGING**?



INACCESSIBLE
DATA



DATA IS DIFFICULT
TO USE



LACK OF TRUST



DATA ASSET VALUE
IS UNBALANCED



UNSUSTAINABLE
BUSINESS MODELS



TRUSTED DATA COLLABORATIVES

Secure places to exchange protected and open data, analyze complex systems, and create meaningful solutions for societies most pressing challenges



How do we halve the number of global deaths and injuries from road traffic accidents?

















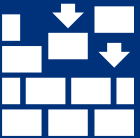



Trust



Tech



Trusted Principles

Cyber-security 	Privacy 	Compliance 	Transparency 
Services Access 	Data Location 	Horizontal 	Software Development 
Data in Transit 	Transparency 	Industry Specific 	Cloud Infrastructure 
Data at Rest 	No Advertising 	Independent Verification 	Incidents and Breaches 
Datacenter Security 	Controls 	Customer Controls 	Information Access 



Cloud Computing

+ Add to myFT

We cannot afford another digital divide



THANK YOU...

Erick Stephens, CTO Asia-Pacific, WW-Public Sector & Industries
@estepmen



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