

A man in a white shirt and blue tie is wearing a black AR headset. He is looking upwards and to the left. The background is a blurred industrial setting with bright lights.

This is why we do it! Smart manufacturing in Ericsson Eesti

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Ericsson Supply in Tallinn

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From copper wire to artificial intelligence



140

Years of enabling communication

95%

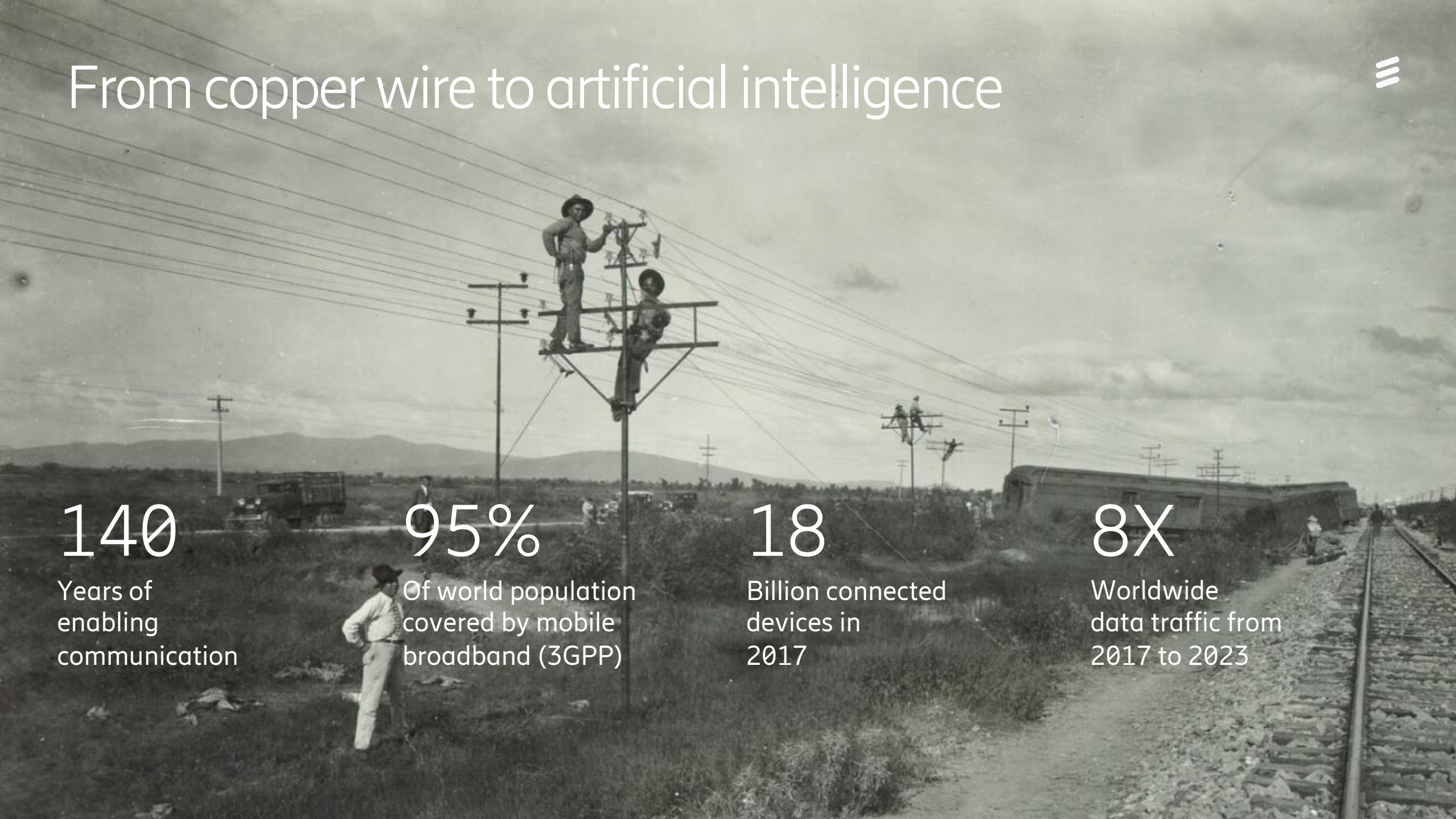
Of world population covered by mobile broadband (3GPP)

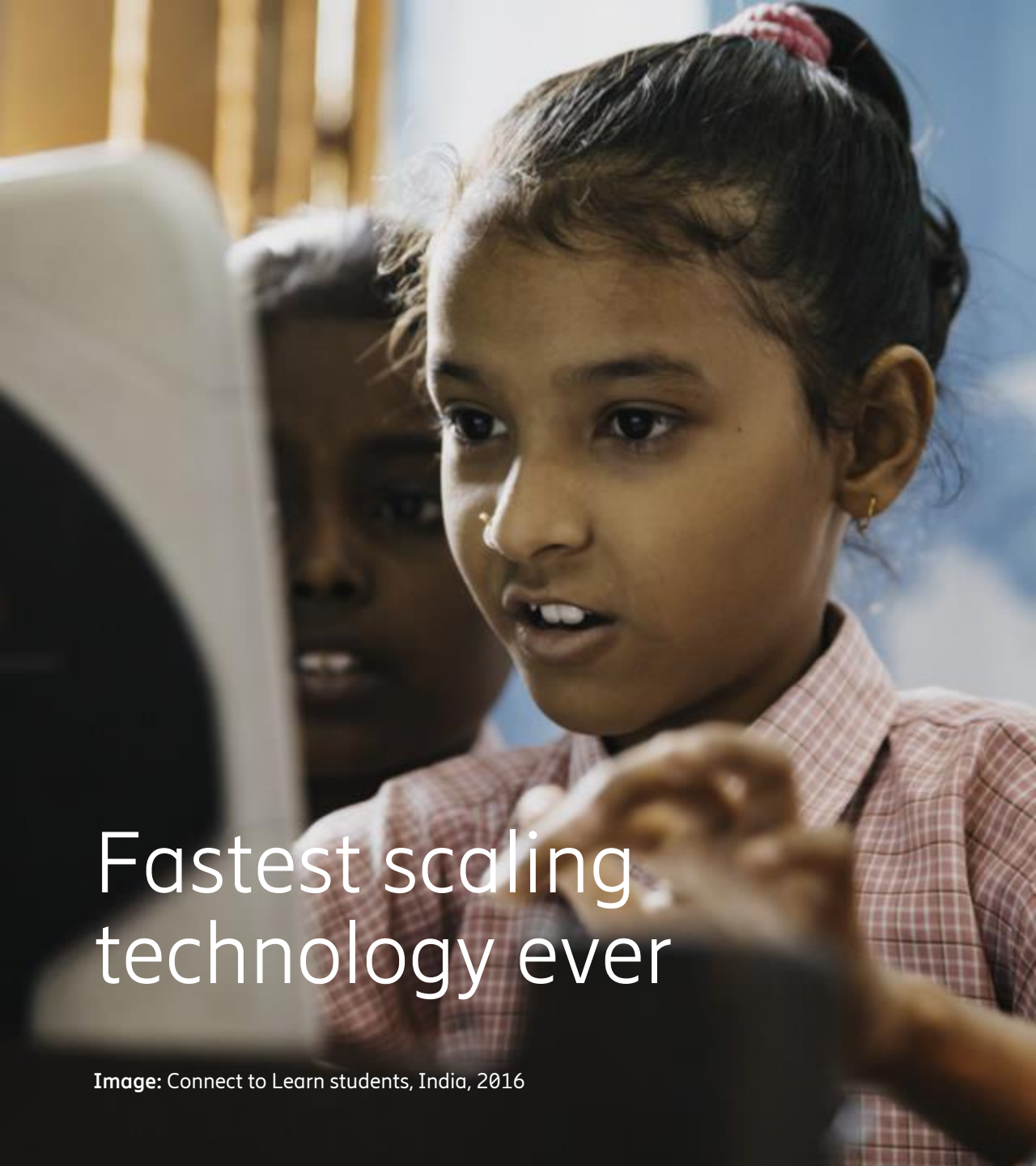
18

Billion connected devices in 2017

8X

Worldwide data traffic from 2017 to 2023





Fastest scaling technology ever

Image: Connect to Learn students, India, 2016



The 4th industrial revolution

Image: Manufacturing

● Manufacturing sites



● ESS ● EMS

Ericsson Supply in Tallinn



is **the largest** manufacturing unit of Ericsson to release and ramp up of **new baseband and radio products** in **Ericsson Radio System** family.

We are engaged in the development and launch of new products with focus of **product industrialization** and **test system development**.

People

2100 employees
47 nationalities

Operations

#1 exporter from Estonia
24/7 production
100 proto runs per month

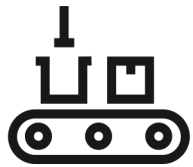


Compliance

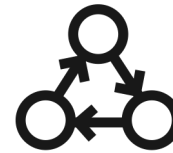
ISO 9001, ISO 14001,
ISO 45001, ISO 27001
TL9000
SOX



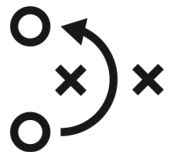
Challenges



Complexity in product mix
and variants



Short Time to Market
and fast product volume
ramp-up
Shorter product life cycle

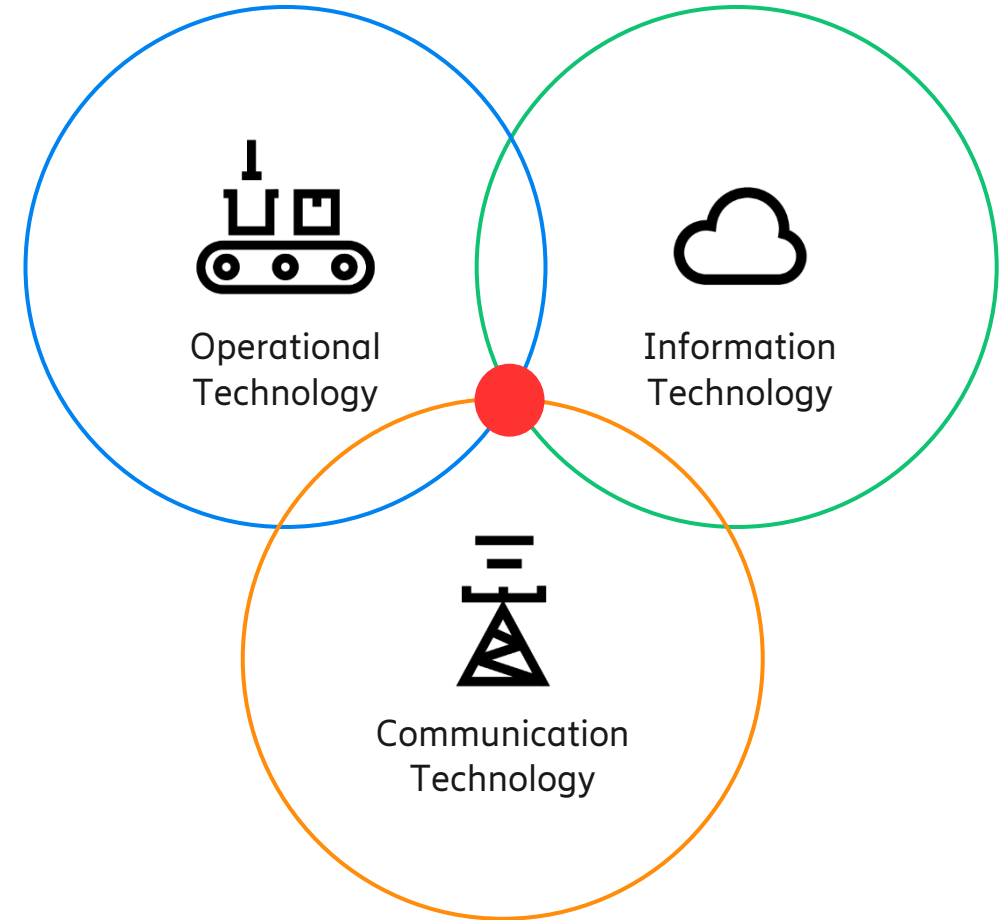
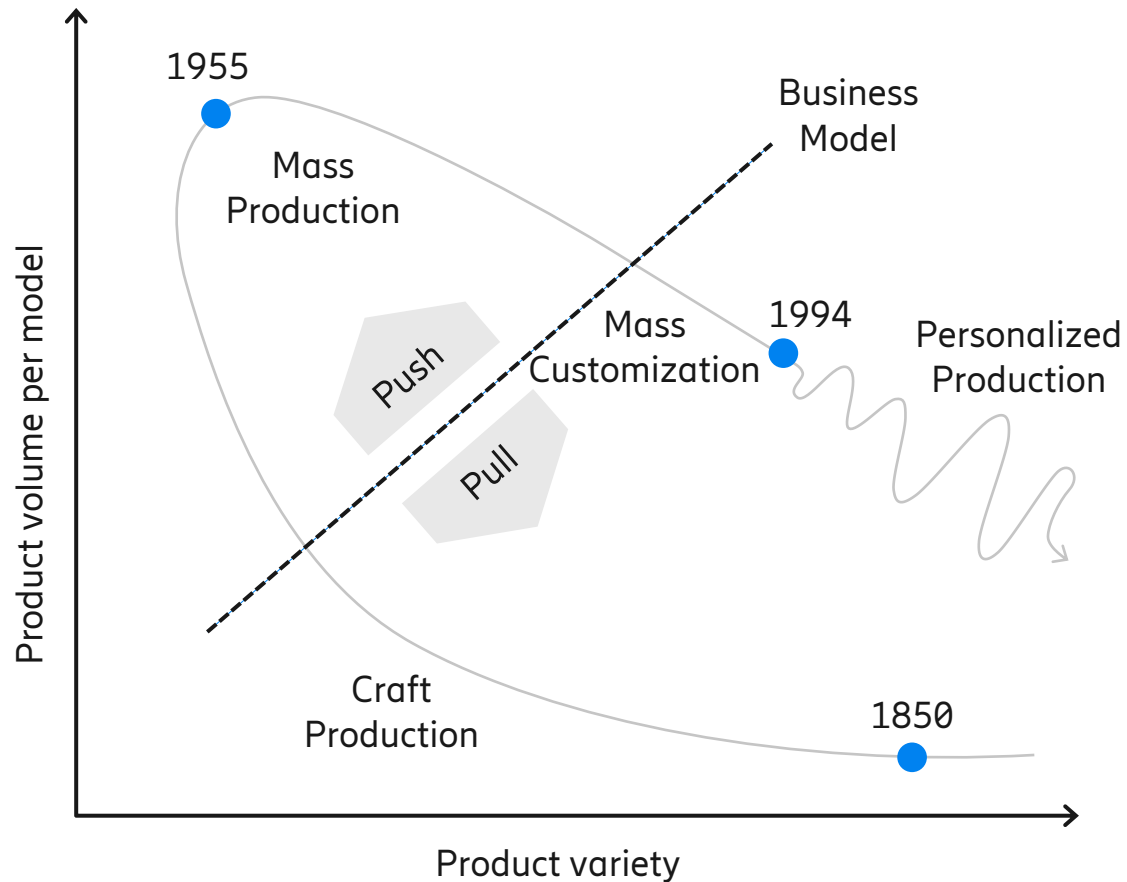


Production flexibility



Cost pressure

Need for ultra flexibility and mass customization = Industry 4.0



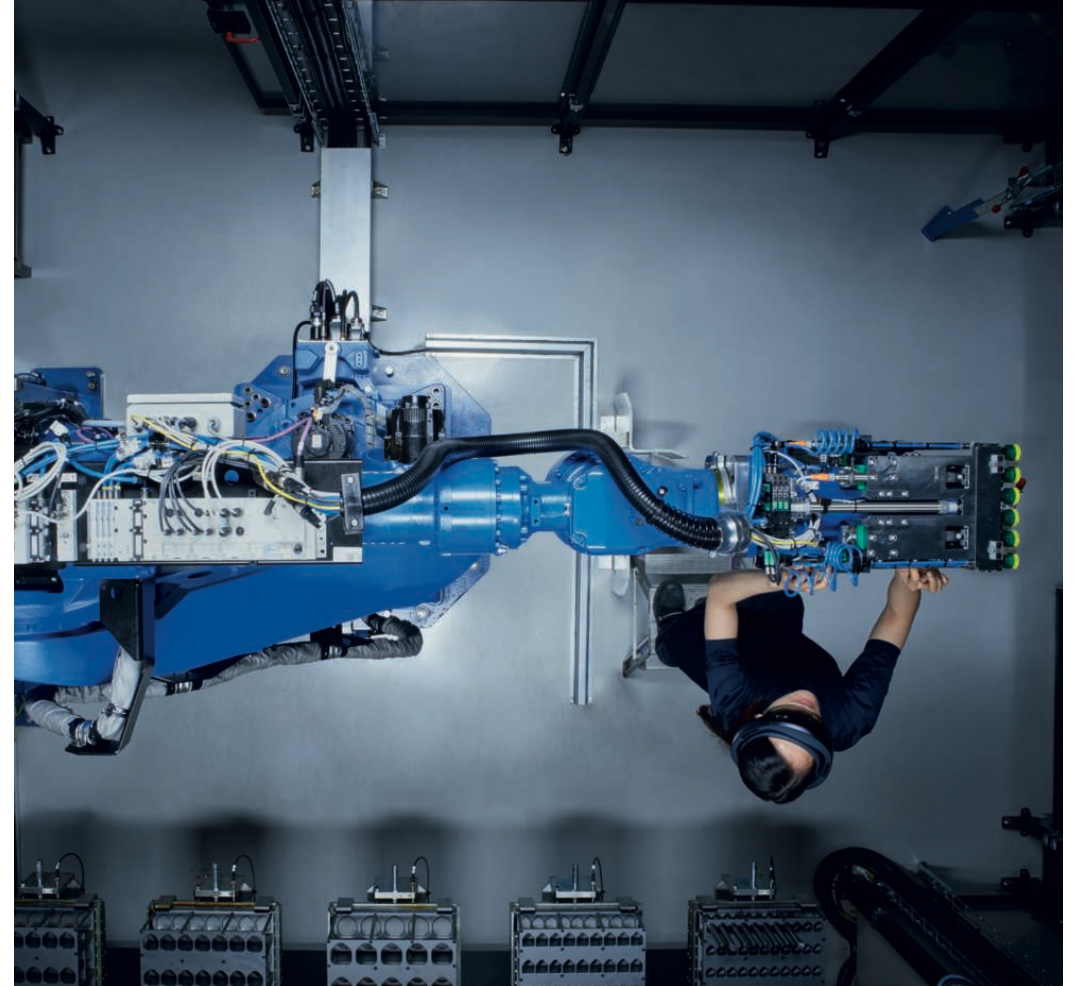
80% of all processes reinvented or eliminated by digital by 202x

This is why we do it!

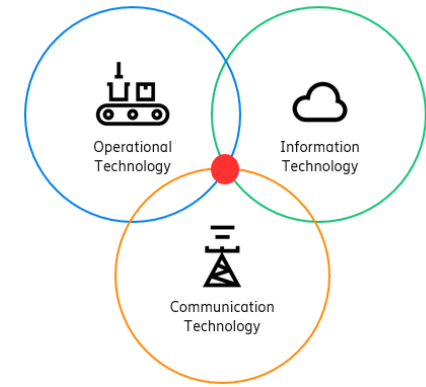


Smart Manufacturing program at Ericsson Eesti to address:

- **Operational efficiency** (quality of products, lower maintenance and production cost, higher utilization)
- **Workplace health and safety**
- **Strengthen cooperation with R&D** to secure design to production integration
- Uncovering **sustainability value** enabled by new technologies



On our way to Smart Manufacturing



Today

Next

202x

Proof of Concepts
Customer trials
IT architecture & data
Automated operations

Big data predictive analytics
Connecting the full flow
Private LTE, 5G and IoT
E2E flow automation

Real time data driven
AI/AR/VR
Digital Twin
5G factory network
All devices seamlessly connected
Flexible work cells and layout

Our use-cases





There is no Internet connection

You can try to diagnose the problem by taking the following steps:

Go to **Applications > System Preferences > Network > Assist me** to test your connection.

Try:

- Checking the network cable or router
- Resetting the modem or router
- Reconnecting to Wi-Fi

ERR_INTERNET_DISCONNECTED

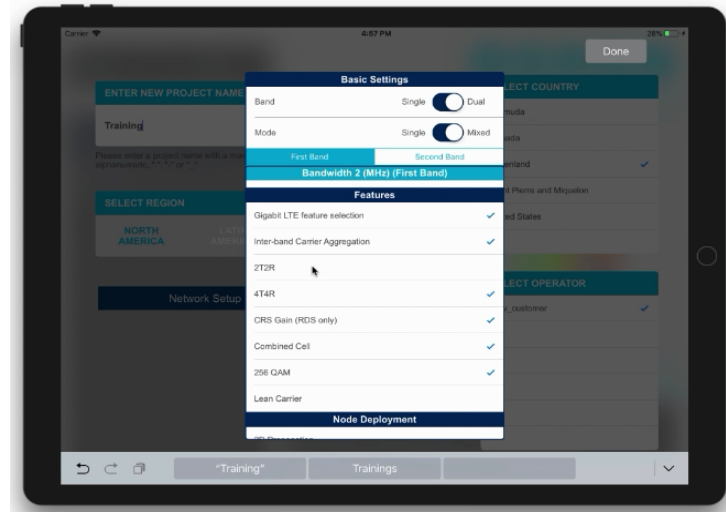
DETAILS



Private LTE



Simple to Plan





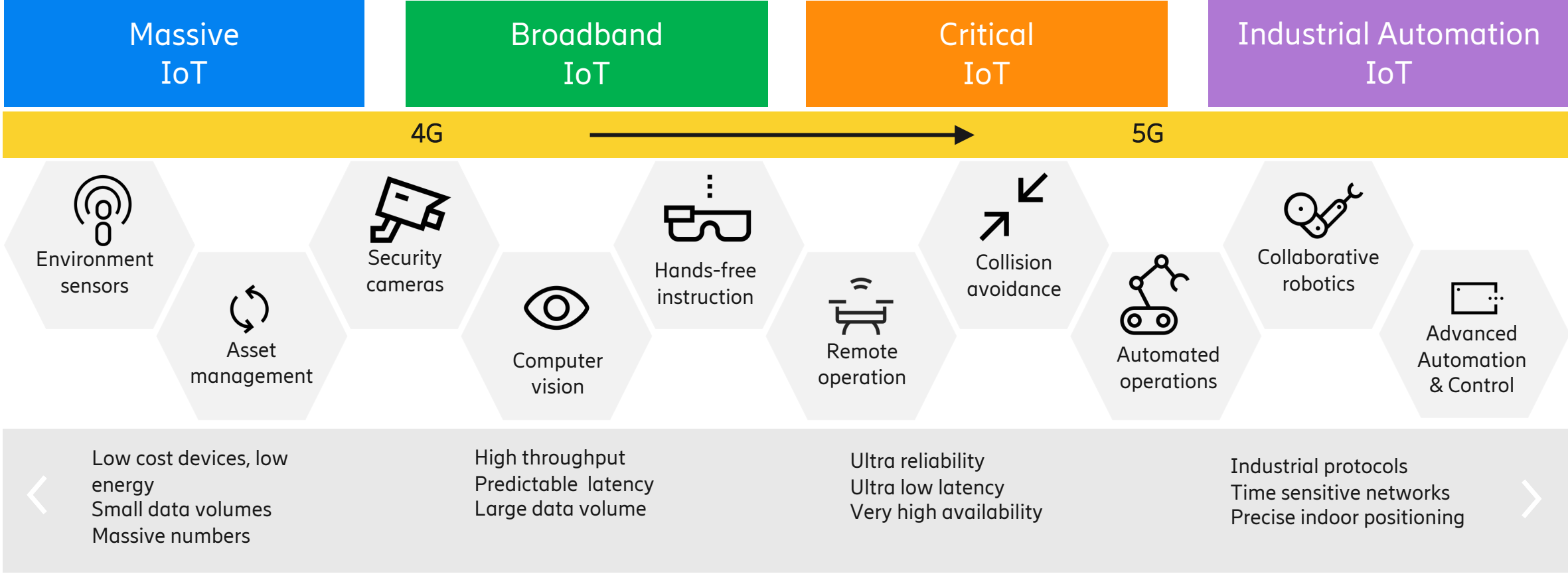
Easy to install

Indoor System deployed in hours



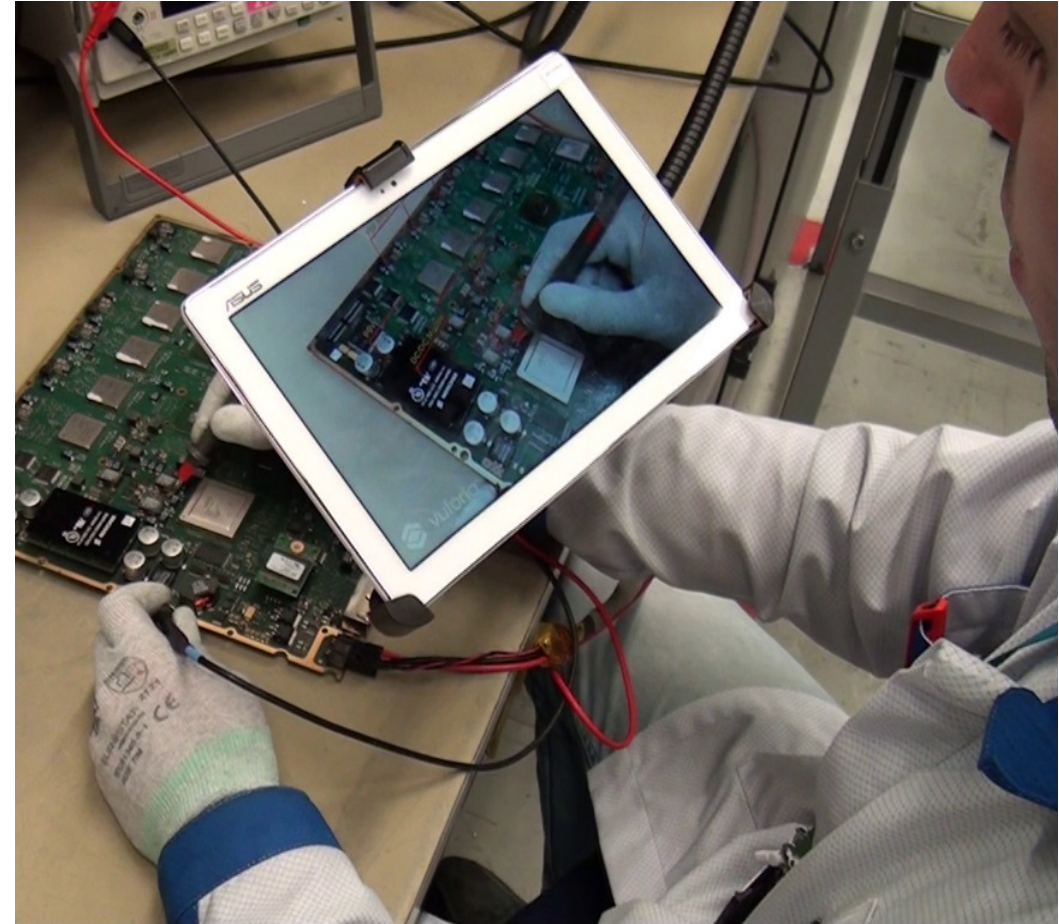
Advanced industries enabled by better connectivity:

Factory and warehouse opportunities



One cellular wireless network serves wide range of use cases

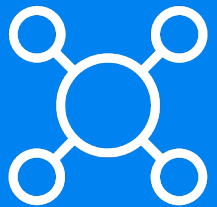
Augmented Reality Troubleshooting



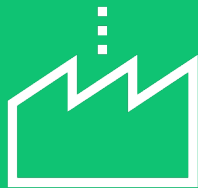
Key take-aways



Mobile connectivity enabling secure connection for huge amount of devices



Digitalization of manufacturing – to keep up with productivity and efficiency



Uncovering Sustainability value enabled by new technologies



Industry 4.0 from buzz-word to practical implementation

4.0

Thank you!

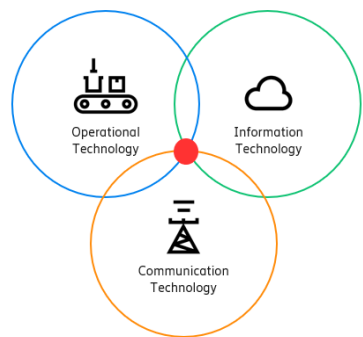
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www.ericsson.com/industry4.0





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