

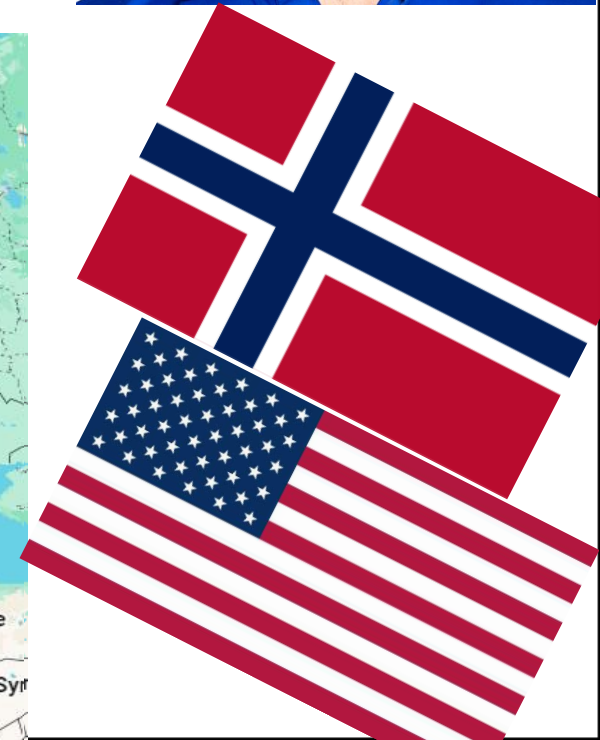
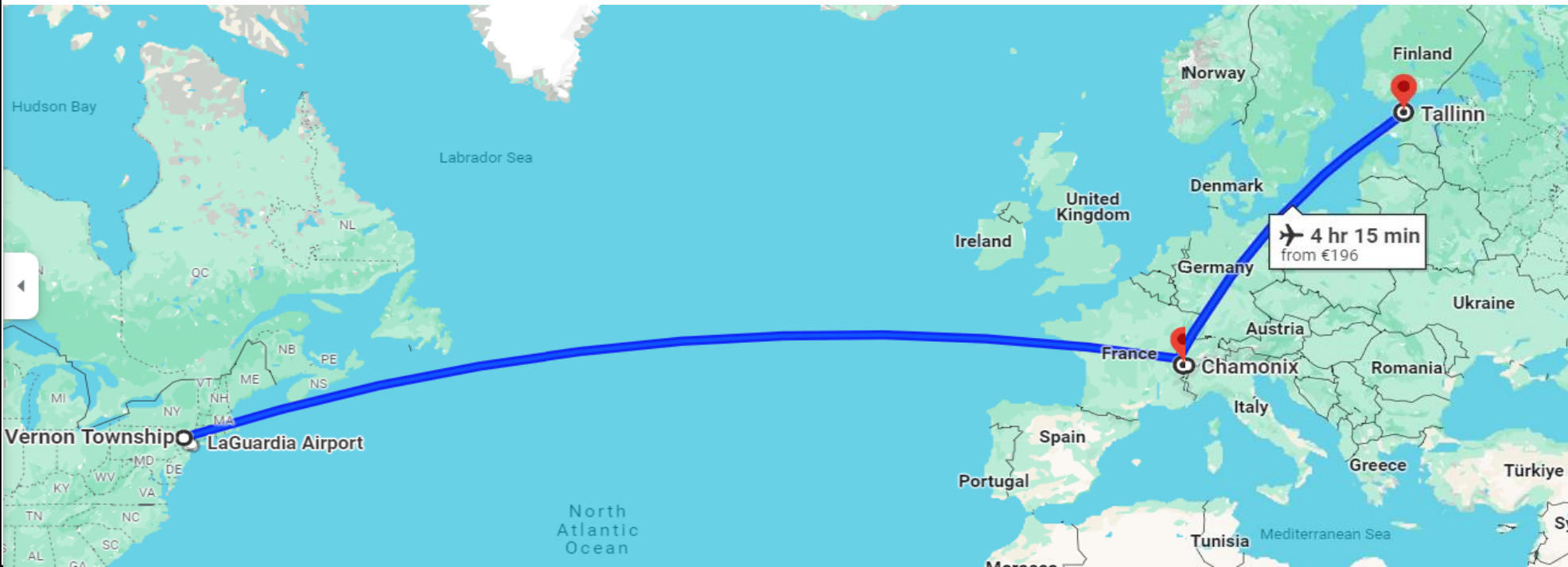
Medical Device

Presenter: Erik Karlsen
Verification Engineer

STORZ
KARL STORZ—ENDOSKOPE

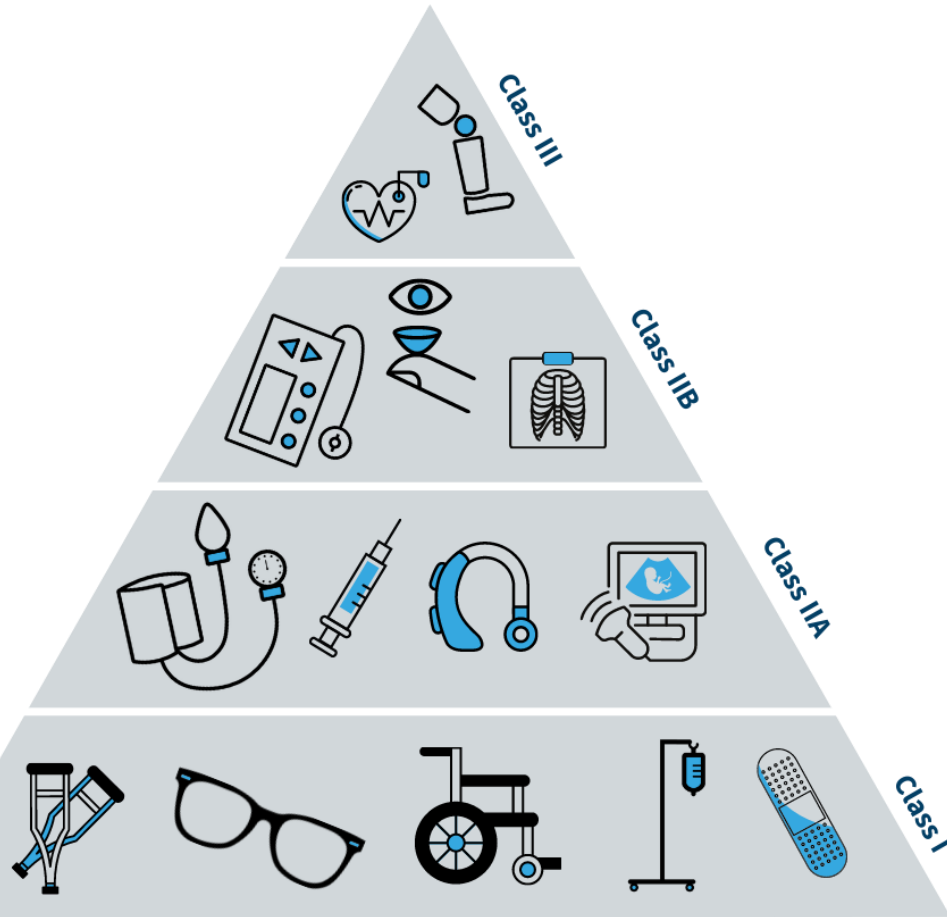
My Story

- Nationality: United States & Norwegian
- Residence: Tallinn, Estonia
- Education: Bachelors Degree in Mechanical Engineering
- Prior Position: Senior Product Development Engineer (5+ years in MD)
- Current Position: **Verification Engineer** at **KARL STORZ**, reporting to Goleta California
- How did I end up on this stage?
- Professional Goals: MBA with aspirations to step into Managerial roles within KS



Heard about MD?

Medical devices



High risk

Low risk



Health Topics ▾

Countries ▾

Newsroom ▾

Emergencies ▾

Medical devices

[Overview](#)

[WHO Response](#)

Access to good quality, affordable, and appropriate health products is indispensable to advance universal health coverage, address health emergencies, and promote healthier populations.

Without medical devices, common medical procedures – from bandaging a sprained ankle, to diagnosing HIV/AIDS, implanting an artificial hip or any surgical intervention – would not be possible. Medical devices are used in many diverse settings, for example, by laypersons at home, by paramedical staff and clinicians in remote clinics, by opticians and dentists and by health-care professionals in advanced medical facilities, for prevention and screening and in palliative care. Such health technologies are used to diagnose illness, to monitor treatments, to assist disabled people and to intervene and treat illnesses, both acute and chronic.

Today, there are an estimated 2 million different kinds of medical devices on the world market, categorized into more than 7000 generic devices groups.

A medical device can be any instrument, apparatus, implement, machine, appliance, implant, reagent for in vitro use, software, material or other similar or related article, intended by the manufacturer to be used, alone or in combination for a medical purpose.

Tradition & future: A third-generation family business



Dr. med. h. c. Karl Storz

- 1945: Founded KARL STORZ as a two-person company in Tuttlingen



Dr. h. c. mult. Sybill Storz

- 1996: Daughter of the company's founder takes over the company management



Karl-Christian Storz

- 2019: Takeover of management

Global Facts and figures at a glance

Foundation

1945 in Tuttlingen
(Germany)

Fields

Medical
Technology

Business areas

Human & Veterinary
Medicine

Production sites

Germany, USA, Estonia,
Switzerland

9,400

Employees
worldwide

2,05 billion

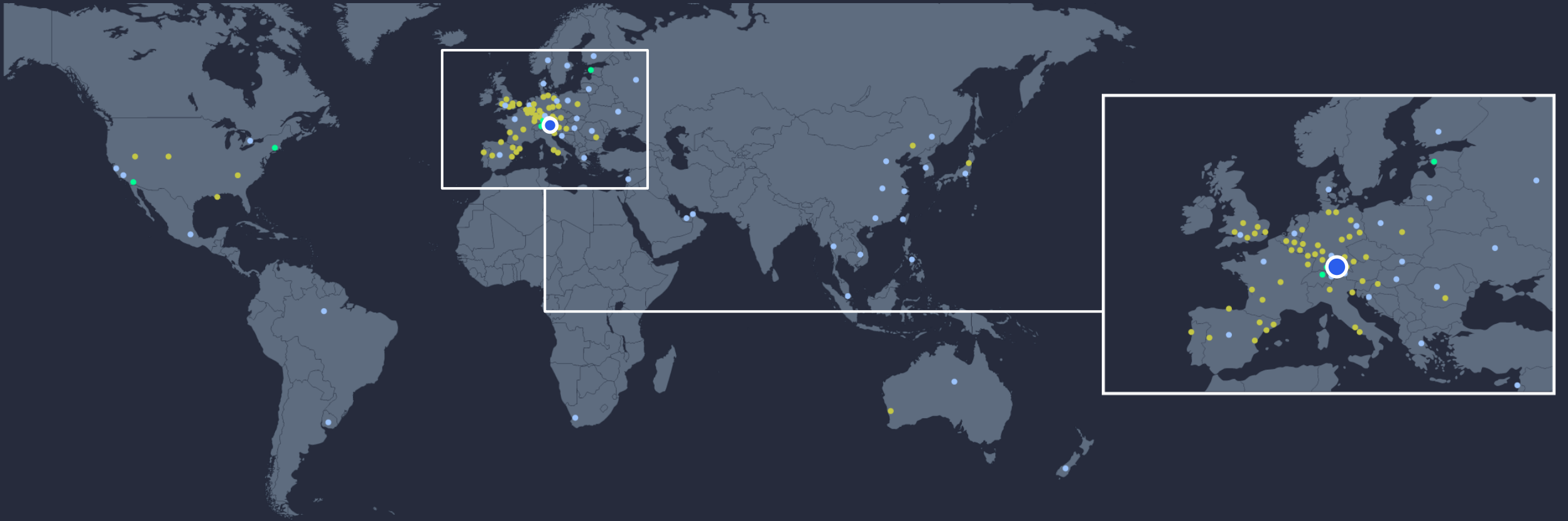
Euro turnover in 2022

70

subsidiaries in 40 countries

The world is our home

○ Headquarters ● Sales & Marketing ● Manufacturing ● Training Centers



Facts and figures at a glance

Foundation
1994 Tallinn (Estonia)

Fields
Medical
Technology

Business areas
Human & Veterinary
Medicine

Production site
Pärnu mnt 556b - 8789 m²
Lehtri 6 - 1400 m²

304

Employees

44 M

Euro turnover in 2022

Product portfolio- Tallinn

Flex. Fiberscopes
Flexible fiber endoscopes

CCD on the TIP
4-Way

Flexible video endoscopes

HD CMOS on the TIP
2-Way

SSU Endoscopes

Video Otoscope

Accessories
for

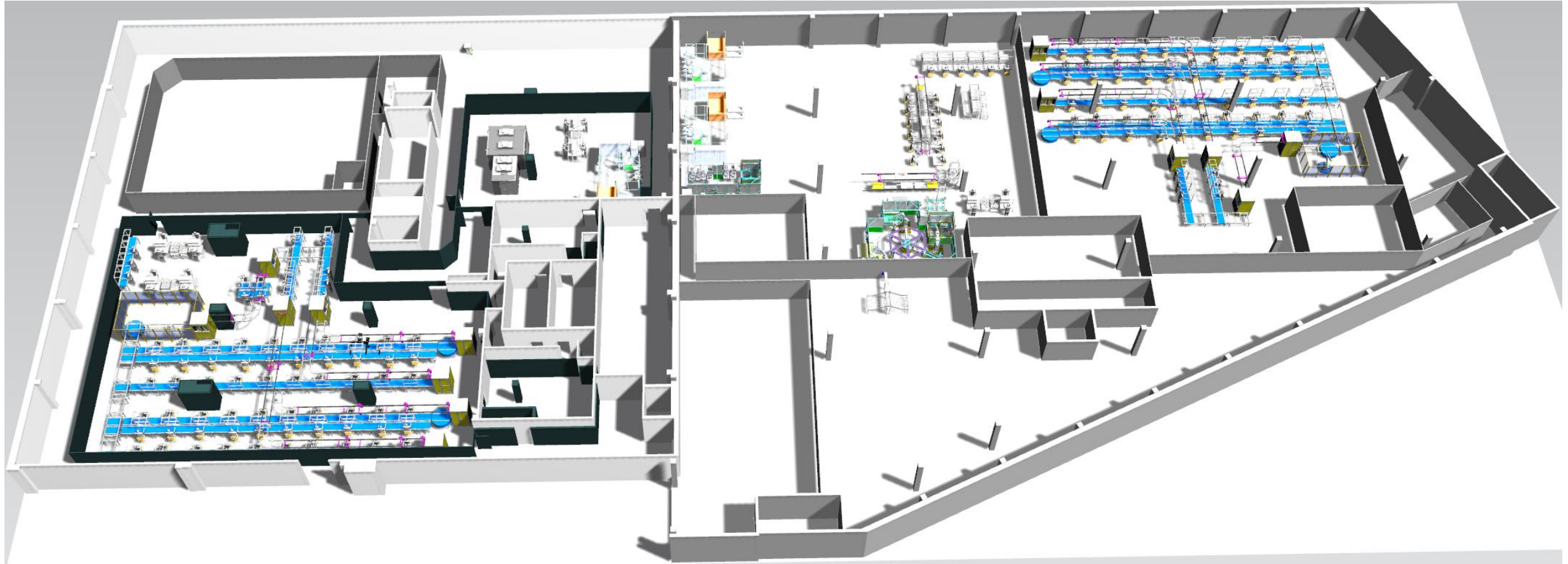
Flexible video and
fiber endoscopes

CMOS on the TIP
2-Way

Flexible video endoscopes

Rigid endoscopes

3D CMOS on the TIP
Rigid endoscopes

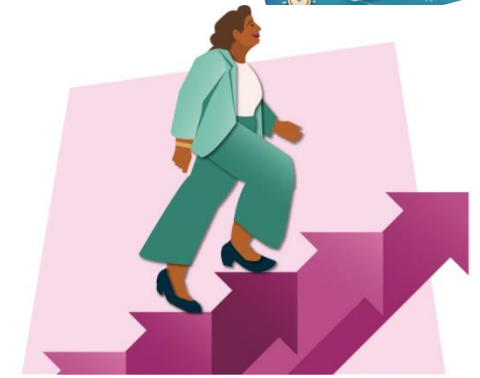


↑ Resources + ↑ Mfg. = ↑ Output

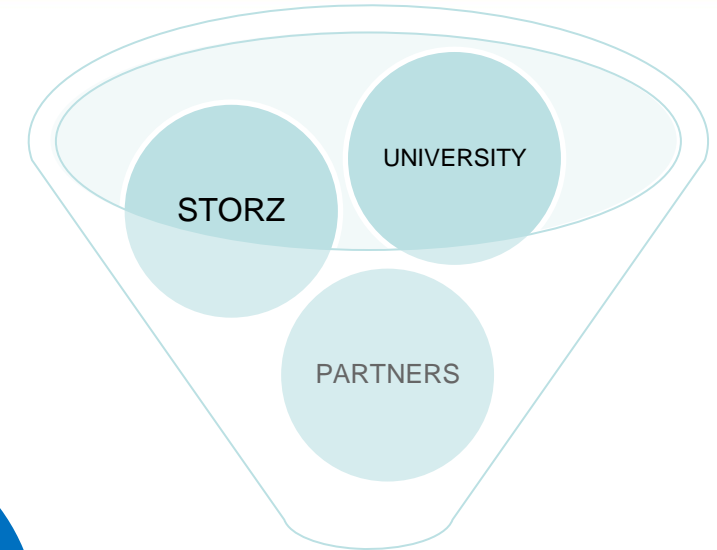
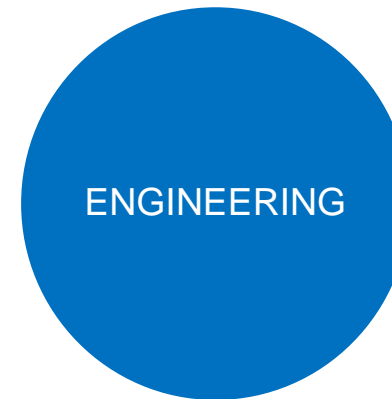
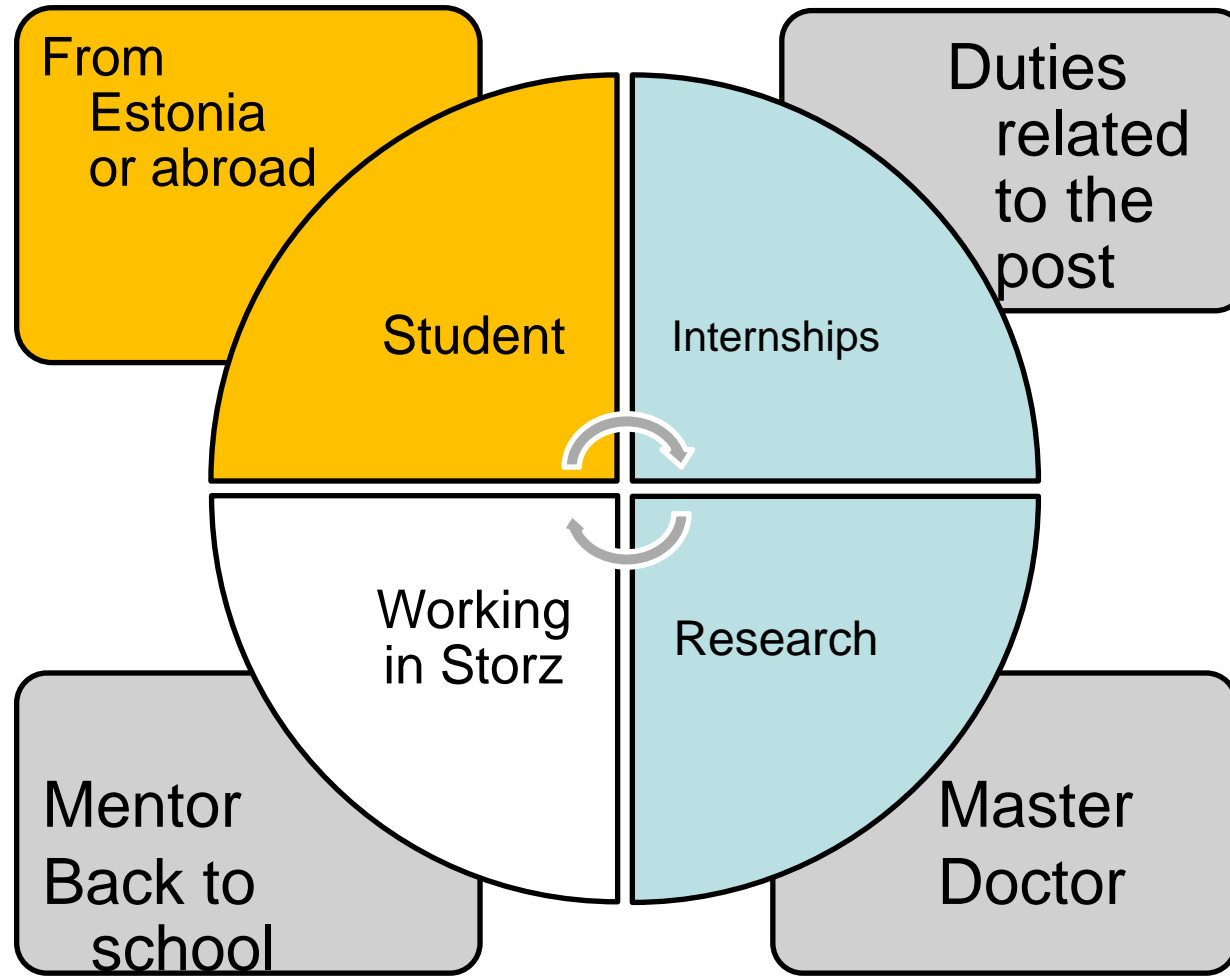
Advantages of MD & KS



- Proximity to end user
- Direct connection to support healthcare
- Diverse industry/portfolio
- Cutting edge of development
- Growth-paced working environment
- Family run environment on a global scale!
- International teamwork/development opportunities



Connection to MD



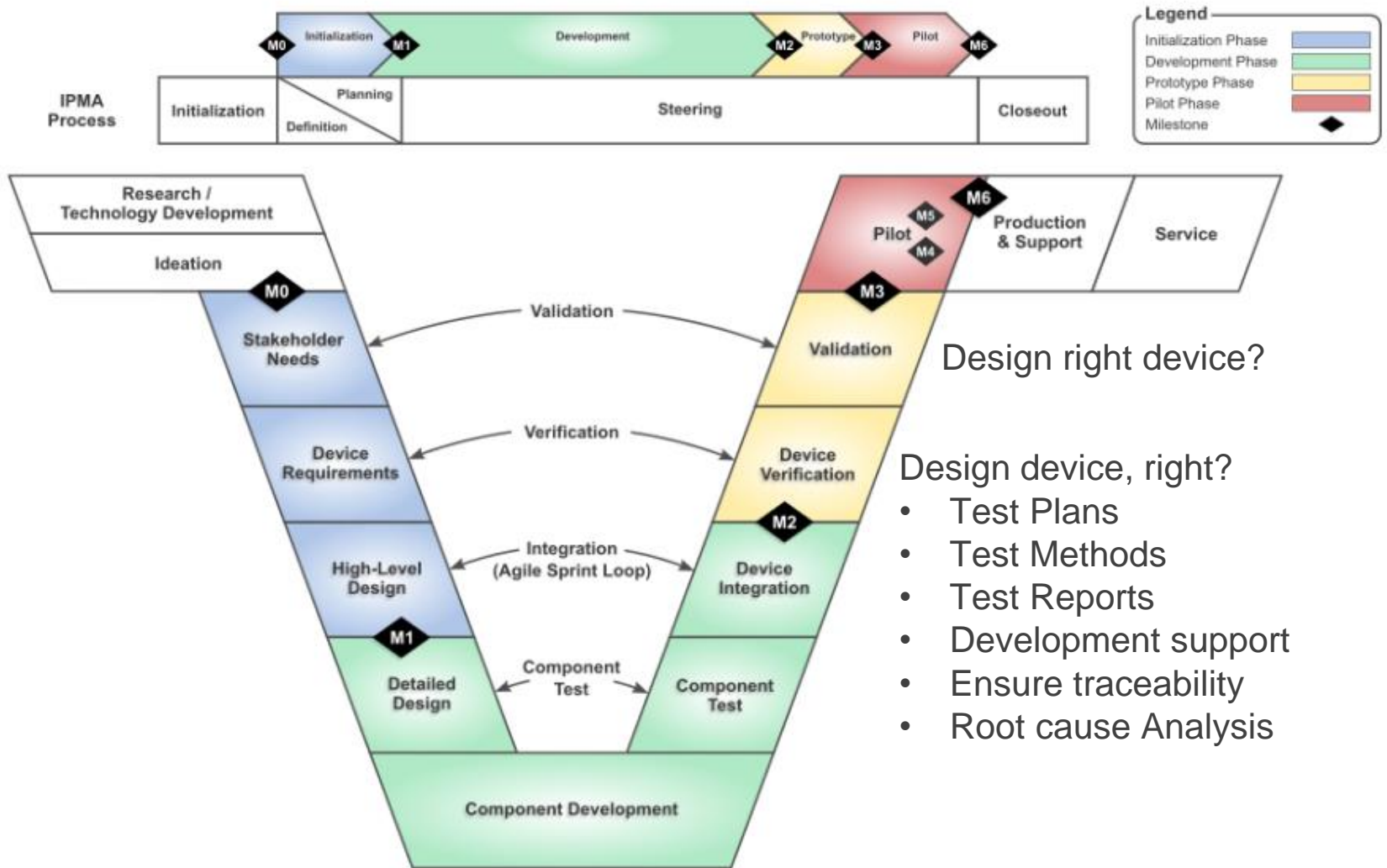
RESEARCH

PROCESSES AND IMPROVEMENTS

DEVELOPMENT

MATERIALS

Global Research & Development



- Design right device?
- Design device, right?
- Test Plans
- Test Methods
- Test Reports
- Development support
- Ensure traceability
- Root cause Analysis

- Executives
- Project Management
- Product Management
- Production Engineering
- Manufacturing Engineering
- Industrial Engineering
- Development Engineering
- Verification Engineering
- Systems Engineering
- Regulatory
- Quality Assurance
- +More

- Mechanical Engineers
- Systems Engineers
- Verification Engineers
- Electronics Engineers
- Production Engineers
- Validation Engineers
- QA Engineers
- LEAN engineers
- Plastics processing engineers
- Automation engineers
- Microbiologists
- + more



**+95 Specialist
within 2 Years**

Show & Tell



KS Opportunities

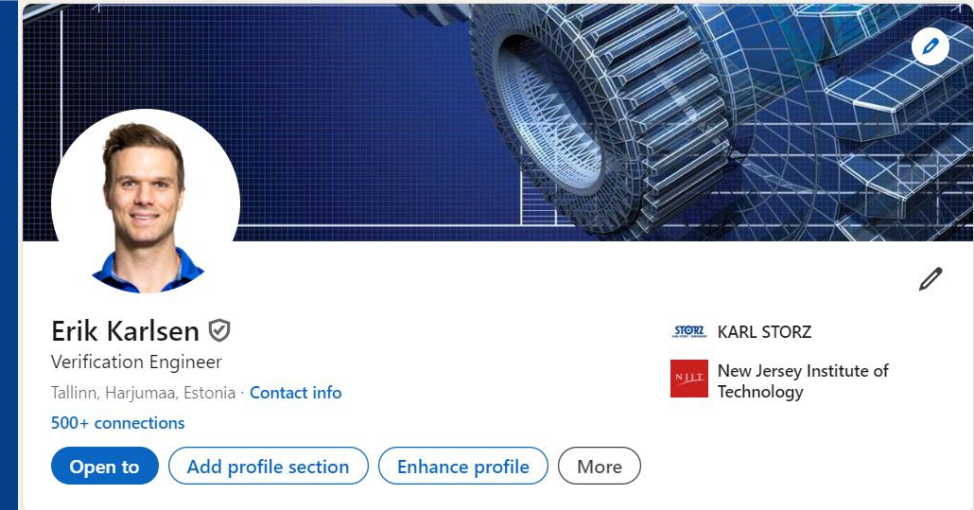


Q&A

HR representative:

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Thank you!
Aitäh!

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KARL STORZ—ENDOSKOPE