

Medtronic's vision for

# The future of healthcare

4<sup>th</sup> Annual SaMD Industry-Academia-Government Collaboration Forum | Tokyo, Japan

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**Medtronic**

# Agenda

Medtronic's vision for the future of healthcare

- 1 Welcome
- 2 Global development of SaMD
- 3 Current usage
- 4 Special considerations



# Medtronic

Engineering the extraordinary

Medtronic is the global medical device leader, engineering solutions for the world's most challenging conditions.

**74M+**

In the past year, our therapies **improved the lives** of more than 74 million people

**70+**  
**conditions** in the human  
body treated with our  
therapies

**2,250+**  
clinical professionals

**2,700+**  
Patents granted

**\$2.7B**  
In R&D investments

**2**  
**people every second** have  
their lives improved

**95K+**  
employees

**12,400+**  
scientists  
and engineers



# Jim Peichel

Vice President, Research and Development

## Professional experience

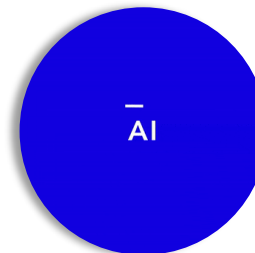
- 24 years in SaMD MedTech
- Extensive software development, including industry-leading Medtronic CareLink Network, which remotely manages nearly 3 million patients in 90+ countries

## Education

- Bachelor of Science in Computer Science
- Master of Business Administration



Family



# Cardiac Implantable Software Ecosystem

We created — and continue to imagine — what is possible with implantable device patient care



Patient implanted



Patient Device



Healthcare team monitoring via  
CareLink Network



Patient's home interface

Real-time clinical interface

- Nearly 3 million patients actively monitored in 90+ countries
- Clinical decision support enabled by AI and alerting
- Portfolio of smart devices in OR, ER and MRI centers



# Transformation parallels

The auto industry

1980s



2000s



current day



*tomorrow?*



# Medtronic software strategic focus



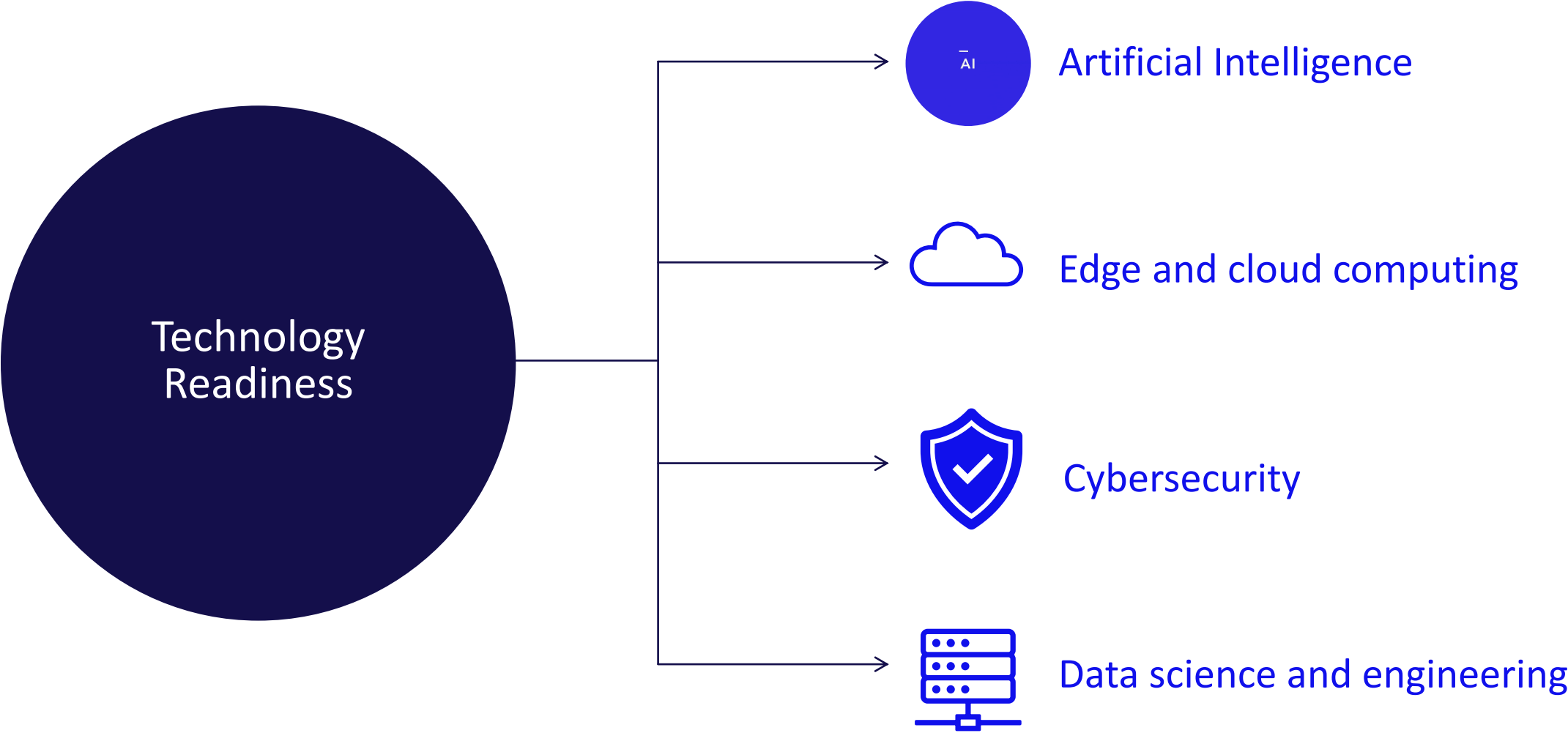
# Software as a Medical Device (SaMD) Considerations





# Software as a Medical Device (SaMD)

## Considerations





ありがとう  
Thank you