## Nationaal Groeifonds Tech4Health Introduction to a panel discussion

Natallia Uzunbajakava & Onno Huiskamp, TNO Holst Centre



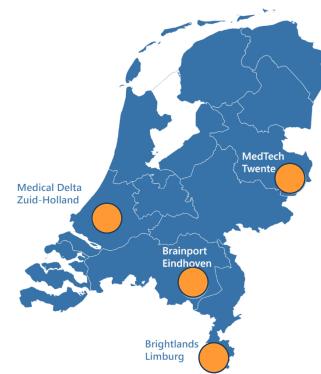
MEDISCHE ELEKTRONICA Ontwikkelingen, normen en toepassingen

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#### MedTech sector is a cornerstone of economy

- 8.1% of the total patents worldwide, the 2<sup>nd</sup> largest applicant
- €184,000 the average added value per employee
- 2<sup>nd</sup> place for the Netherlands in terms of export value

- **34,000 companies** at the EU level, of which 95% are SMEs the drivers of innovation
- Economic importance in the EU and the Netherlands, revenue generating





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#### MedTech enhances healthcare & well-being

- New pandemic: ageing & chronic diseases
- We spend 50% of their lives in less-than-good health
- Shortage of 135,000
  healthcare workers by 2031 in the NL only
- Early detection, holistic monitoring & timely intervention enables prosperity & growth





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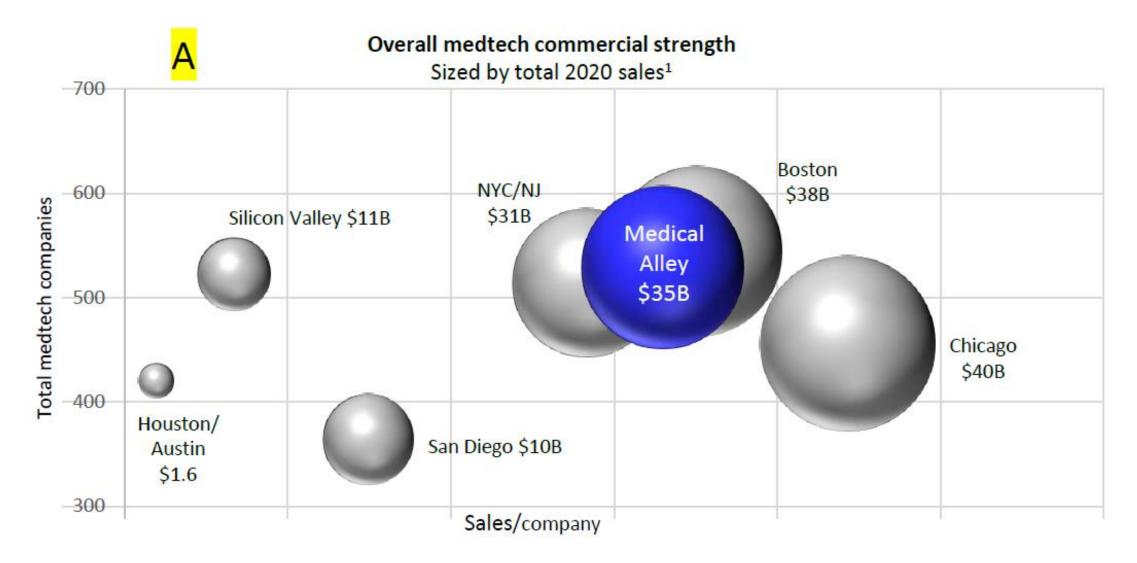
#### Dutch trade mission to Minnesota MedTech

- Medtronic HQ
- PHILIPS IGT
- Boston Scientific
- Medical Alley
- Mayo Clinic
- Philips Innovation Lab @ Mayo clinic
- Desing of Medical Device conference

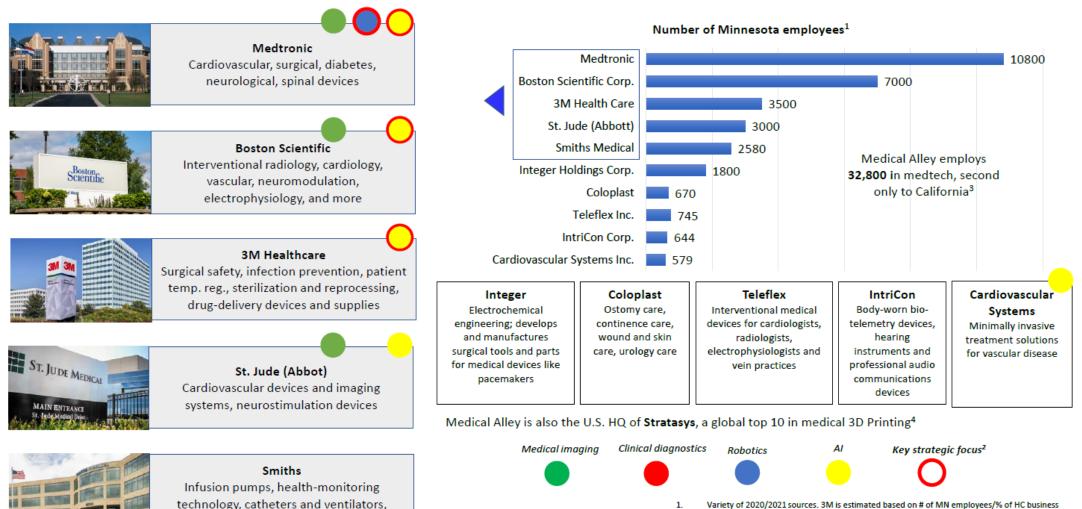




#### Learning (1): High MedTech commercial strength



## Learning (2): Dense in Medtech, high concentration of professionals + high levels of experience



devices and consumables for patient care

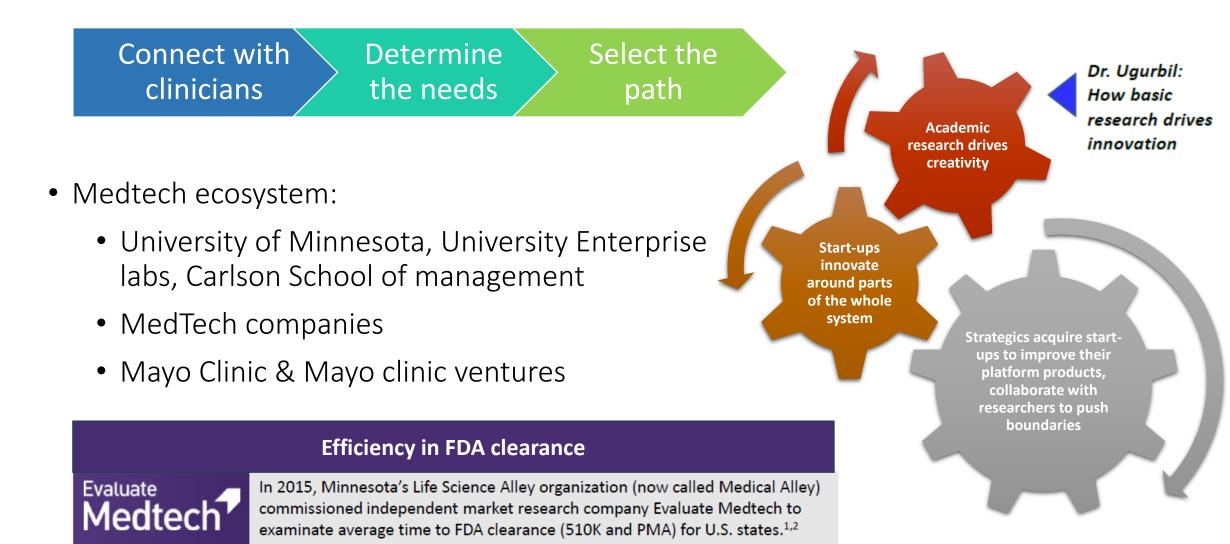
Variety of 2020/2021 sources. 3M is estimated based on # of MN employees/% of HC business

Investor relations documents

Minnesota DEED, Compare Minnesota, 2021

Dr. Hempel Digital Healthcare Network, Top 10 companies in medical 3D printing, 2021.

#### Learning (3): MedTech ecosystem



#### Dutch Medtech sector: transition momentum

- Multinationals acquire de-risked smaller **companies**
- Extra investments & time to de-risk
- Ecosystems increasingly rely on **public R&D**
- Dutch **Medtech transition** to a pluralistic system:
- Clustering of imaging and sensing

 ✓ Collaboration between universities, SMEs and medical centers

 ✓ More impact for the MedTech start-ups  ✓ Stronger international positioning of the NL





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# Tech4Health nationale groeifonds program Ambition

- Netherlands is an EU leader in MedTech in the field of medical sensors and imaging
- Creating a robust and diverse MedTech innovation ecosystem
- Maintaining NL leadership in specific highimpact technology platforms and related application development
- 50% reduction of time-to-market for MedTech from 15-20 years to 8-10



## Tech4Health nationale groeifonds program

#### **TECH4HEALTH NGF**

