STMicroelectronics
Healthcare & Wellbeing

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We are creators and makers of technology

- One of the world’s largest semiconductor companies
- 2019 revenues of $9.56B
- 46,000 employees of which 7,800 in R&D
- Over 80 Sales & marketing offices serving over 100,000 customers across the globe
- 11 Manufacturing sites
- Signatory of the United Nations Global Compact (UNGC), Member of the Responsible Business Alliance (RBA)

As of December 31, 2019
New Healthcare Delivery tools
(Electronic Health Record, Remote Monitoring, Health Apps, Robots, Smart Drug delivery...)

Emerging Application Domains
(Intelligent wound care, Point of Care diagnostic, Organ-on-Chip, Bioelectronic Medicines...)

New paradigm in medical Innovation
( Genomic research, Induced pluripotent stem cells, Minimally invasive surgery, DNA editing, Biological drugs,...)

Data-led Health Ecosystems

SCOPE

Emphasis on Prevention & Home Care

Changes expected in Medication

Match the needs
- Value-based Healthcare
- Digital health platforms
- Home Care
- Chronic Diseases
- Ageing Well

Industries
- Medtech
- Pharma
- ECS Industry

Focus Areas
- Digital Health
- Digital Medicine
- Digital Therapeutics

ECS Industry Pivotal Role

Major Capabilities: embedded intelligence, miniaturization, connectivity & high-volume low-cost manufacturing
SERENE-AI
Secured and Energy Efficient Healthcare solutions using AI technologies

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AI architecture with Medical Grade
- Edge-computing
- Federated computing
- Machine/Deep learning

New Intelligent Sensors w/o local e.AI
End-to-end Security
Privacy by Design
Multi-channel Connectivity Interoperability
Power management covering storage

Patient.augmented

RDCTs challenges
- Accuracy
- Data Security & Privacy
- Interoperability
- Data integration
- User acceptance & experience

RDCTs use-cases
- UC1
- UC2
- ...

Major innovation
Thank you