









Marie-Pierre Faure PhD
Deputy Director
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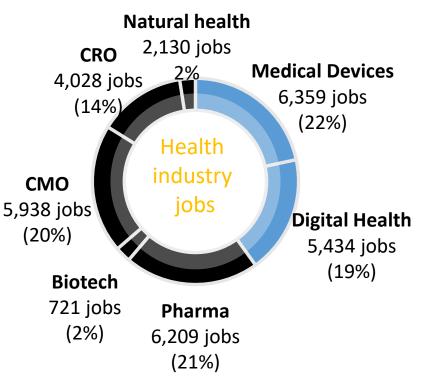






MEDTECH innovation, a key strategic goal for Quebec

Sources: Ministère de l'Économie, de la Science et de l'Innovation, 2017; Montréal InVIvo 2017



+56,000 industry jobs (40% of all jobs)

40,000 in Montreal

650 companies

50% of companies

\$ 5.6 B estimated impact on Quebec's GDP (2014)

\$8B invested last 5 years in new hospital infrastructures in Montreal

\$205M Quebec's life sciences strategy (2017 – 2022)



Canada First Research Excellence Fund





- **\$1.4B** investment to support competitively selected Canadian postsecondary institutions to turn their key strengths into world-leading capabilities:
 - compete with the best in the world for talent, for partnership opportunities, and to make breakthrough discoveries;
 - seize emerging opportunities and strategically advance their greatest strengths on the global stage; and
 - implement large-scale, transformational and forward-thinking institutional strategies.

Polytechnique Montréal \$95.6M

Award amount: \$35,625,000

The Montreal TransMedTech (iTMT) Institute: An open-innovation ecosystem for the development of next generation medical technologies

TransMedTech Institute

Mission

 To support the development of next-generation medical technologies for important diseases, in order to facilitate their implementation in the health system

Vision

 To have a significant impact on health, the medtech industry, the training of tomorrow's HQPs and society

Strategy

 Living Lab model (interdisciplinary & intersectoral open innovation environment driven by users and the dynamics of needs, favorable to creativity and innovation, to facilitate the validation and implementation in the healthcare environment)



Living Lab - a place of innovation with and for users



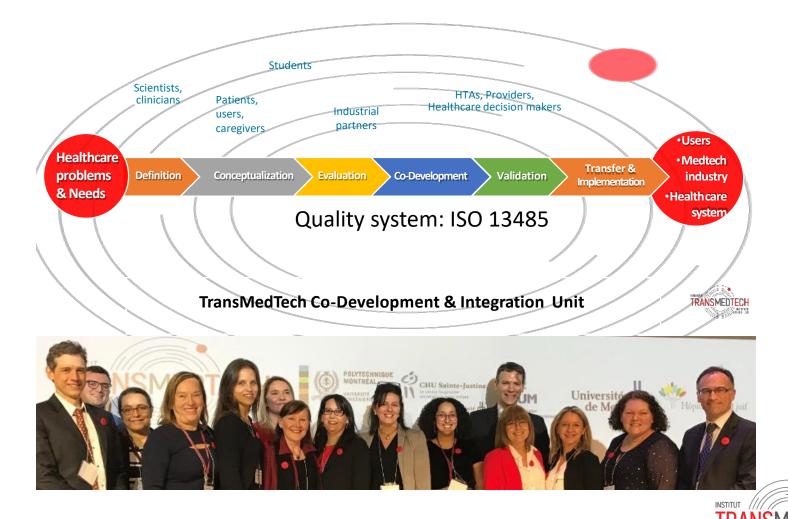


Open interdisciplinary and intersectoral innovation process

- Driven by users and the dynamics of needs
 - **Users**: patients and their entourage, community, health professionals, health system managers, technical professionals
- Favorable to creativity and innovation
- Allows validation and implementation in hospital settings



TransMedTech Living Lab



TransMedTech Ecosystem

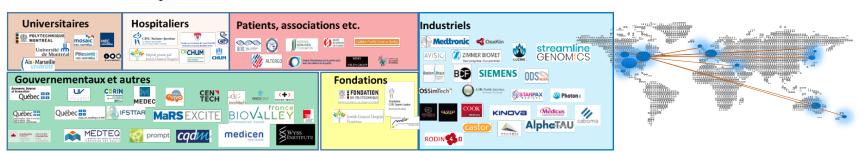






... intersectoral partners

... international network





Priority technological axes

	NEURO MUSCULOSKELETAL DISORDERS	CARDIOVASCULAR DISEASES	CANCERS
REHABILITATION TECHNOLOGIES	•		
BIOSENSORS AND MEDICAL MICRODEVICES		•	•
PROGNOSTIC TESTS OF PROGRESSIVE PATHOLOGIES	•	•	
MINIMALLY INVASIVE TREATMENT DEVICES	•	•	
LASER THERAPIES, BIOPHOTONIC PROBES	•	•	•
NANOROBOTICS AND THERANOSTICS TECHNOLOGY	•	•	•
MULTIMODAL INTERVENTIONAL IMAGING	•	•	





iTMT and THE BEACHHEADTM PROGRAM



Partnership between Centers of Excellence and companies Fast-track for ADOPTION



Access to KOLs, platforms, data...



Controlled process in real care environment



Collaborative approach



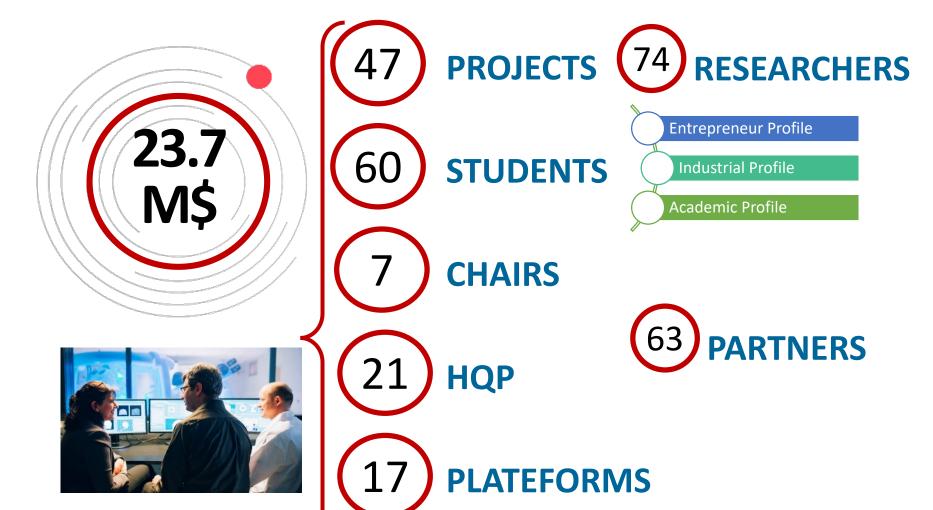
To accelerate technologies adoption

Targeting15+ Beachhead™ in Canada and INTL





TransMedTech realizations since Sept. 2017









www.transmedtech.org













