



Company Information

Studio 1 Labs
3600 Steeles Avenue East
Markham, ON L3R 9Z7
Canada

Management

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Sector

Advanced Technologies

Technology

- Fabric Sensors
- Hardware Electronics
- Medical Devices
- Software Services
- Cloud Analytics
- Artificial Intelligence

Development Stage

Ready to begin production of 1st-Gen Class II medical device

Milestones

- Raised +\$300,000 to date in Government grants and industry sponsorship
- Worldwide patent filed
- Clinical validation

Funding Requirements

\$2 million seed investment

Use of Proceeds

- Setup office in China
- Setup manufacturing and production
- Data infrastructure setup
- Health regulatory applications
- Clinical trial costs

Investment Highlights

- Low-risk medical device with premarket exemption in USA & Canada
- Clinical validation in Canada

Company Profile

Studio 1 Labs is a Canadian technology company founded in March 2015 that developed innovative fabric sensor technology into a medical device bed sheet patient monitor with clinical validation in less than 2 years.

The technology is powered by a proprietary method of creating sensors and electronics with higher degree of variability of electrical signal range. Complete end-to-end solutions provide quality data from controlled scientific studies, for use in industries requiring higher precision in electronics for automation, and greater accuracy in training artificial intelligence models.

Technology

Studio 1 Labs developed proprietary sensing technology. The scientific validation is through clinical testing of a Class II medical device as a functional bed sheet made of fabric sensors that monitor vital signs, location, and movement. The functional bed sheet consists of a network of sensors that communicate with each other and measure external force variability at each sensor. The sensors are able to measure variability in electrical signals giving a higher degree of data range, where other conventional devices are limited to binary output that cannot measure range.

The sensing technology is internally developed and completely owned by the company.

Primary Market

Long-Term Care (2015): China \$2.5B, USA \$15.6B, Canada \$4.07B

Highest cost for patient care is nursing and personal care with routine monitoring and documentation still currently consisting of manually performed tasks.

With automation, local and remote patient monitoring and documentation will reduce costs to institutions allowing the opportunity to absorb offsetting costs with a solution that has simple integration for elderly users, and easy implementation to institutions with minimal training needed.

Vertical Industry Expansion

Through scientific validation in clinical controlled settings, data quality will have higher validity of data sets for artificial intelligence modelling, which will then be transferable into industries for financial prediction models, smart shelving for inventory tracking, and the next generation of AI through robotics automation with the sense of touch.

Competitive Advantage

Electronic textiles is a global emerging industry. Studio 1 Labs is a global contender in this field with superior range of electrical sensing capability, clinical grade data quality, and cost much lower over existing solutions.

Revenue Model

Studio 1 Labs will have three streams of revenue:

- 1) Medical device, health care patient monitor (functional bed sheet)
- 2) Health monitoring (web and mobile software application), and
- 3) Health informatics, enterprise value of data.

Business Model – B2B2C

Institutions => Patients => Customers

Institutions: Government per-diem funding for patient care and reimbursement of clinical tests (ex. Sleep apnea testing, pulmonary function tests),

Patients: Institutions will release monitoring system for patients being discharged to take home, or provide monitoring system for patients awaiting care in an institution,

Customers: Direct consumer sale with optional continuous monitoring with clinical grade reports.