Ahead of the Curve

Investing in Canada’s Digital Future | June 2023
Canada’s Superclusters

- Digital Technology
- Protein Industries
- Advanced Manufacturing
- SCALE AI
- OCEAN
We unlock the potential of Canadians to lead and succeed in the digital world through a powerful combination of co-investment, cross-industry collaboration, IP creation and digital talent development.

1200+ Organizations
Diverse Expertise
Industry: Startups, SMEs, Large, Multinational
Research: Universities, colleges, institutes, Government, Not-for-profits
Collaborative innovation, co-investment and the customer voice drive results and adoption

1. Demand based R&D and Collaborative Innovation:
   Diverse parties: academia, industry leaders, SMEs, public sector develop solutions together better than any single organization could alone.

2. Accelerating development through Co-investment
   A co-investment approach de-risks and accelerates the pursuit of breakthrough digital technology and Canadian-owned IP.

3. Driving Digital Adoption through customer voice
   The ‘customer voice’ is at the table. Accelerated adoption unlocks opportunities for customers, providers and community.
A new digital innovation approach: Design thinking meets cross-industry collaboration and co-investment

We employ a new innovation model that is led by industry and connects innovators, academia and customers to commercialize research and create and keep Canadian-owned IP.
Our approach is working

New Digital Projects

88

More than 85 cross-industry collaborations in digital R&D and talent development projects

Investing in Canadian SMEs

70%

70% of investments are benefitting Canadian SMEs - supporting new IP, market expansion and scale-up

Industry-led Investments

$389 million

Leveraged industry investment in R&D with $389M in project investments ($220M industry investment)

As of March 31, 2023
A snapshot of our impact

- **162** products & services in development
- **20,000** expected jobs created by 2028
- **34** SMEs scaled
- **$3.7B** in potential revenue for Canadian businesses (next 5 yrs)
- **7,000** learning & development placements
- **40%** of teams exploring international opportunities
- **695** anticipated IP assets

As of March 31, 2023
Accessible, relevant, effective digital health

**Autism Sharing Initiative**
The first global network for sharing genomics and biomedical data to accelerate research to develop personalized treatments for individuals with autism.

**Wellbeing.ai**
Developing a ‘digital brain’ to understand human interactions to deliver an immersive and personalized wellness coaching experience.

**Telewound Care**
Best-practice wound management across the care continuum.
Environmentally sustainable approaches to natural resources

Protecting our Oceans
Using machine learning, artificial intelligence and data visualization to identify, track and apprehend illegal fishing vessels that threaten our global fisheries and marine ecosystems.

Mining Microbiome Platform
The world’s first open data ecosystem in microbiome-based resource exploration, extraction and waste remediation.

Precision Crop Health
A non-pesticide approach to managing crop disease through computational biochemistry, genomics, machine learning, computer vision and robotics.
Improving the competitiveness of Canadian industry

**Digital Aviation Records**
A platform and ecosystem for digitizing paper-based records and support digital records for airframes and parts.

**Forest Machine Connectivity**
Automating and optimizing the timber harvesting supply chain using a network of ‘smart’ devices.

**Scaling Safe Food Delivery**
An end-to-end eGrocery Management solution to ensure food security for Canadians and improve food supply chain management.
Preparing Canadians for the future

Canadian Tech Talent Accelerator
Providing in-demand tech skills to 3,900 underemployed youth across Canada.

Digital Lift
Creating a system for rapidly skilling talent into careers in technology.

Athena
Creating responsive and flexible training programs to broaden diversity in AI talent.
Canada-Wide
Global Impact
digitalsupercluster.ca
info@digitalsupercluster.ca
the-digital-technology-supercluster
@DTSupercluster