FREDERICTON
NEW BRUNSWICK

Staying Ahead of the Curve

Regional Opportunities & Highlights

One of North America's most digitally advanced cities and twice named one of the world's most intelligent communities, Fredericton's track record for fostering successful ICT start-ups, attracting global ICT leaders and helping home-grown businesses succeed is internationally recognized. The region's ICT-driven economy is home to renowned researchers, globally recognized research institutes, acclaimed educational institutions, and game changing spin-offs from UNB's plethora of cutting-edge research projects. Today a Canadian leader in cybersecurity, big data, biotechnology, GPS signalling and avionics, Fredericton remains focused on building internationally recognized ICT capacity and a pool of talent with the right skills to excel in emerging technologies.

Home to **70%** of NB's ICT Industry

Lowest cost gigabit connectivity

Knowledge Park 30 knowledge companies. 800 employees.

Fredericton's Q1 Labs & Radian6: Canada's Two **Biggest Exit Deals** in 2011

Cyber Security International Leadership

UNB Fredericton is home to:
- Canada's largest network security lab
- Canadian Institute for Cyber Security
- Cyber Security Centre of Excellence
- Two Security Research Chairs

Siemens "Smart" Choice

Siemens, an international technology leader, chose Fredericton's Living Lab product development environment to build its smart grid model, establish its world leading pioneering Smart Grid Centre of Competence and, its Smart Grid Innovation Network (SGIN). Siemens is also partnering with UNB to conduct leading edge smart grid related research with real world applicability.

Your Location Advantage

- Among top ten lowest cost locations in Canada and US (KPMG 2014)
- Canada's lowest-cost gigabit connectivity
- 60+ research organizations and chairs
- Canada's 4th highest university-educated labour force
- Talent pipeline fed by approximately 400 Computer Science and Engineering graduates/year
- Provincial capital offering ready access to key decision makers

What We Do For You

- One stop shop for support & services
- Quality building and facility options
- Recruiting and training help
- Pro bono start-up office space
- Financial incentives and innovation funding
- Growing pool of investment funds
- Program accelerating commercialization
- Support during growth and expansion

Cyber Security
- **UNB:** International Leader
- Graduates ensure **Cybersecurity Talent Pool**
- **IBM /UNB Partnership** resulted in $4M in funding
- **Canada's largest** network security lab

Big Data
- **NB+:** Improving NBers' products and services through **Big Data**
- UNB home to **NB-IRDT**
- **Over $16.8 M invested** in Digital Infrastructure and Big Data research at UNB in last 5 years
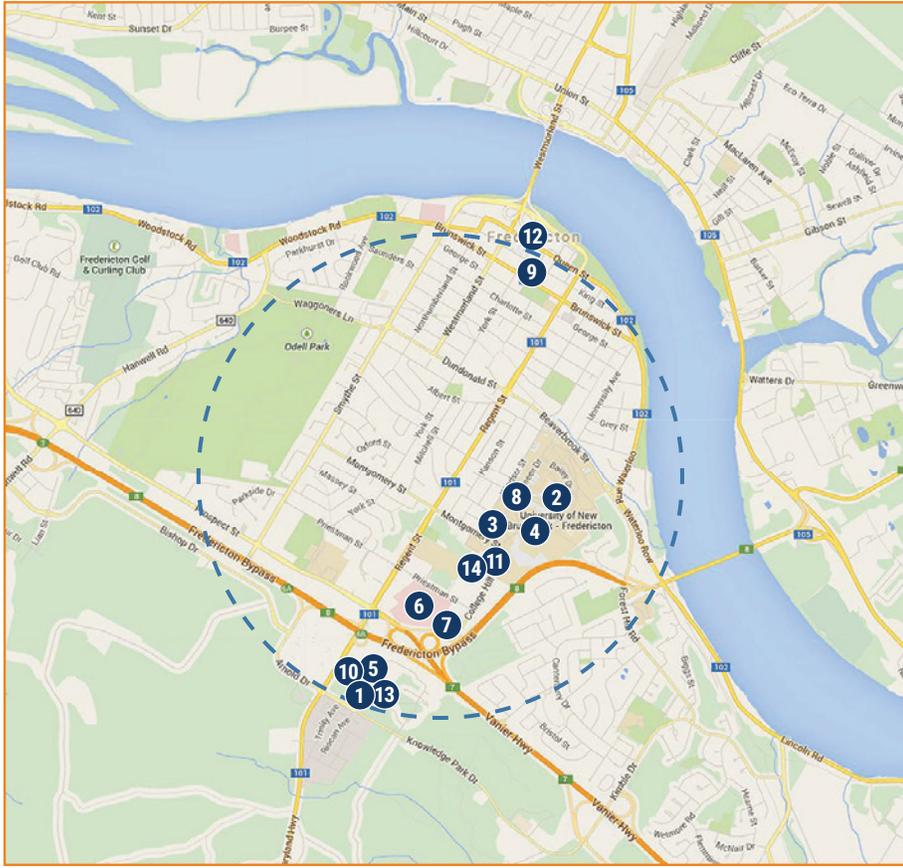- **Cisco Chair for Big Data** discovering meaningful patterns from internet-of-things (IoT) data

Geomatics, GPS, Avionics, Space
- **UNB/NASA Partnership** tackling GPS signal distortion
- UNB: one of world's largest group of experts in **Planetary Geology and Impact Cratering**
- Development of **Remote Sensing Technologies** that can be controlled from space
- **Unmanned Vehicle Advances** applicable in multiple industries
- **Mobile Technology Innovation** supported by world-leading GPS expertise

ignite
FREDERICTON
Fuelling Entrepreneurs

Fredericton's Innovation District

— — — Innovation District (2km radius)

UNB Fredericton conducts 75 per cent of all funded research in New Brunswick

70% of NB's Knowledge Industry

60+ Research Organizations and Chairs

1. Knowledge Park & Planet Hatch
2. University of New Brunswick
3. St. Thomas University
4. New Brunswick Community College
5. New Brunswick Health Research Foundation
6. Dr. Everett Chalmers Hospital
7. Stan Cassidy Centre for Rehabilitation
8. National Research Council (NRC)
9. New Brunswick Innovation Foundation (NBIF)
10. Hugh John Flemming Forestry Centre
11. Research and Productivity Council (RPC)
12. E-Novations (goFred)
13. Ignite Fredericton
14. BioNB

Innovation is in Our DNA

A sampling of innovative start-ups:

Eigen Innovations — *Unlocking application-specific solutions through **Data from the Factory Floor***

Sentrant Digital Advertising Integrity — *Preventing online fraud through dynamic behavioural signatures combined with **Botnet Security Intelligence***

SimpTek Technologies — *Reducing overall **Power Consumption** and shifting usage to different times of the day*

KnowCharge sustainable performance made simple — ***Anti-static Packaging** for the electronics industry*

SMARTSKIN — *Increasing **Efficiencies in Packaging Lines** by understanding the forces exerted on containers*

RESSON AEROSPACE — *Transforming the agriculture industry by **Optimizing Crop Production***

LUMINULTRA microbial monitoring — *Helping industry understand and control **Microbiology in Water** and fluid processes*

onelobby — *Modern, efficient **Event Management** task software.*

introhive — *Bringing **Relationship Intelligence** to CRM with data automation*

zaptap — *Leveraging the latest in mobile technology to deliver an **Unparalleled Customer Experience***

UNB
EST. 1785

Cutting Edge ICT Research

UNB's close knit community is a catalyst for research that is uniquely collaborative and multidisciplinary. Among ICT research highlights:

- Developing advanced data mining
- Developing state-of-the art infrastructure for confidential record linkages
- Advanced geomatics big data image processing
- Internationally recognized cybersecurity advances
- Enhancing GPS signalling by mitigating space and atmospheric events

...and much more

ignite FREDERICTON
Fuelling Entrepreneurs

ignitefredericton.com • (506) 444-4686
adam.peabody@ignitefredericton.com