

# 25 YEARS OF INNOVATION

- FOR THE PAST QUARTER CENTURY, INNOVATIVE IDEAS HAVE GROWN IN BRITISH COLUMBIA'S TECH SECTOR
- A SAMPLE OF THESE IDEAS AND INNOVATIONS INCLUDE:

**1993**

**FOUNDED**  
**STEMCELL TECHNOLOGIES**

It's driving life sciences research in some of the world's best labs with its cell culture media and research tools.



**1994**

**RELEASED**  
**CRYSTAL DECISIONS**

Crystal Decisions (which would become Crystal Decisions that year) releases the 3<sup>rd</sup> version of its Crystal Reports business intelligence application—a product that continues to be refined and delivered to small businesses by corporate success S&P.



**1997**

**LAUNCHED**  
**SIERRA WIRELESS**

Internet of Things pioneer Sierra Wireless launched its first cellular embedded module. It's now providing connected products and technologies across industries and the globe.



**1999**

**LAUNCHED**  
**ANGLER'S ATLAS**

The Angler's Atlas from Price Geogeo provides anglers with maps, depth charts, GPS data, and user-generated content from across the continent to help users land the big one.



**1996**

**RELEASED**  
**HAART**

Third version of HIV/AIDS treatment with the KICed triparting therapy study that led development and implementation of HAART (Highly active antiretroviral therapy).



**1999**

**FOUNDED**  
**GLOBAL RELAY**

Global Relay launches one of the first cloud email archiving services for records management. As email becomes part of daily life, Global Relay's services become a critical part of corporate life especially in the global financial industry.



**1999**

**LAUNCHED**  
**BUILDIRECT**

Technology and heavy goods supply chain developments connects contractors and homeowners with building materials in what is now the largest online marketplace for home improvement products.



**1999**

**FOUNDED**  
**ENWAVE**

Industrial scale microwave drying can dry foods more quickly than traditional technologies, and preserves more of the nutrients.



**2001**

**LAUNCHED (into Space)**  
**MDA**

A space technology company with global operations, sent its Constellation-2 into space for installation on the International Space Station.



**2003**

**LAUNCHED**  
**PYNG MEDICAL'S**

MAT Tourniquet can stop blood loss in about 30 seconds, providing significantly increased patient survivability in trauma care situations.



**2004**

**FOUNDED**  
**AVIGILON**

Introduced the first high-definition surveillance system powered with software solutions to help private and large public places safe.



**2004**

**FOUNDED**  
**SST WIRELESS**

Has had its Tire Pressure Monitoring System adopted in heavy industrial and transit systems worldwide, ensuring proper operation and maintenance of tires that reduce greenhouse gases by about two tons per vehicle per year.

**2004**

**LAUNCHED**  
**FLICKR**

Brought photo sharing and archiving online, helping photographers connect with the world.



**2005**

**LAUNCHED**  
**BROADBANDTV**

Audio and channel management and content solutions for independent content creators and media companies have made it the largest digital video property in the world behind Google and Facebook.



**2006**

**250,000<sup>+</sup>**  
**INSTALLATION**  
**CARMANAH TECHNOLOGIES**

Victoria-based Carmanah Technologies has helped bring light to places without reliable power, and helped those using power save energy with its technologies in solar power systems and equipment, solar-powered LED lighting and LED-illuminated signage.



**2007**

**DEMONSTRATED**  
**D-WAVE SYSTEMS**

5-Wave of Burnaby built the Orion, the world's first quantum computer.



**2007**

**FIRST INDUSTRIAL FACILITY**  
**OSTARA NUTRIENT RECOVERY TECHNOLOGIES**

Discovered a way to recover phosphorus and other nutrients from waste water, and sell the recovered products as fertilizer.

**2007**

**FOUNDED**  
**BIONIC POWER'S**

Kinetic Energy Harvester is a wearable knee brace that provides 10-12 watts of walking-generated power on the move power, replacing the need to carry many more heavy batteries.



**2008**

**LAUNCHED**  
**HOOTSUITE**

Social media tools changed the way the individual, organizations, and companies manage their online presence.



**2008**

**LAUNCHED**  
**TELUS HEALTH**

TELUS shifts up innovation by launching TELUS Health, which focuses on data and analytics to assist health care professionals and improve the health care system through the power of information technology.

**2009**

**FOUNDED**  
**COOLEGE LIGHTING**

Has moved LED lighting beyond the light fixture by incorporating thin, thin sheets that are flexible, fit onto flat surfaces that can be shaped into a wide range of architectural surfaces.



**2009**

**LAUNCHED**  
**SLACK**

They speak's multiplayer online role-playing game Glee's comes with realistic collaboration tools. In 2012 the game is shut down and those tools are launched as a new product—Slack. Today, it has 9 million weekly users.



**2008**

**RELEASED**  
**LCD INNOVATION**

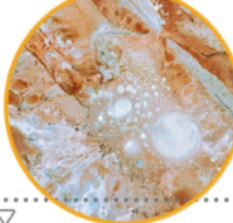
Creo of Burnaby drove innovation in digital printing and its ideas helped develop a more cost-effective and environmentally sustainable way to produce colour filters for large LCD televisions that were released by its successor, Kodak Graphic Communications.



**2010**

**FOUNDED**  
**URTHECAST**

Has made imagery of the earth's surface more accessible. The space-based high-resolution high-definition imagery provides high-resolution pictures of earth that can be used for disaster management, forestry, and agriculture.



**2010**

**LAUNCHED**  
**AWESENSE**

Combination of software and IoT devices helps power utilities worldwide identify and reduce electricity losses in the grid. Power saved is power that doesn't need to be generated.



**2013**

**FOUNDED**  
**BIOSYSTEMS**

3D bioprinting device creates customized human tissues for drug development, regenerative medicine, and disease research.



**2012**

**FOUNDED**  
**OPTIGO NETWORKS**

Makes the IoT for security, heating, lighting, or elevators in large buildings viable and cost-effective for a fraction of the infrastructure of traditional hardware.



**2013**

**FOUNDED**  
**ENTERRA**

Enterra of Langley uses food waste from grocery stores, food processors, and farms to feed the black soldier. By larvae which are then processed as feed for chickens and salmon farms—meaning that need is no longer fed to worms.



**2014**

**FOUNDED**  
**ARBUTUS MEDICAL**

Provides a sterilizable, reusable barrier for surgical drills with its Arbutus D-B Cover. This means fewer drills are needed, allowing more patients to be treated at a lower cost. It has been used in over 30,000 surgeries across 15-plus countries.

**2011**

**PLANT OPENS**  
**STRUCTURLAM**

Cross-laminated timber panels manufactured in Parksville offer an alternative to concrete that is very strong, five times lighter than concrete, and performs well in seismic areas and poor soil conditions.



**2015**

**LAUNCHED**  
**ONEFEATHER**

OneFeather of Victoria provides a web-based social-media voting system and member registration management for Indigenous communities. It's been used by dozens of First Nations since going live.



**2015**

**LAUNCHED**  
**MOLESCOPE**

Maryam Sodegh's MoleScope smartphone app and mini-microscope attachment allows people to transmit high quality photos of microscopic organisms to health care professionals.



**2014**

**FOUNDED**  
**CANADIAN AGRICHAR**

Canadian Agrichar of Maple Ridge helps improve soil conditions with its biochar charcoal made through a patented processing of wood chips, sawdust, trees, or other woody crops.



**2016**

**RECORD YEAR**  
**ELECTRONIC ARTS**

Electronic Arts of Burnaby has the biggest game of the year with FIFA 17, the best-selling game for consoles.



**2016**

**RELEASED**  
**BIOMID YARN**

Gordon Shank Consulting of Burnaby created Biomid yarn. Industrial energy yarn made from wood waste from the forest industry. Its advantage over existing products used in greenhouses is that it can be composted directly—no need to separate.



**2017**

**ON SALE**  
**ARCTIC APPLE**

Uses gene silencing to prevent the browning of their Ontario grown apples after slicing.



**2018**

**PATENT FILED**  
**CANNABIX TECHNOLOGIES**

Moving ahead in developing tools for low enhancement and the workplace to detect THC on the breath.

