

CANADA

60 Top Nanotechnology Startups and Companies in Canada



by **Mark Dunn**
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This article showcases our top picks for the best Canada based Nanotechnology companies. These startups and companies are taking a variety of approaches to innovating the Nanotechnology industry, but are all exceptional companies well worth a follow.

We tried to pick companies across the size spectrum from cutting edge startups to established brands.

We selected these startups and companies for exceptional performance in one of these categories:

- Innovation
 - Innovative ideas
 - Innovative route to market
 - Innovative product
- Growth
 - Exceptional growth
 - Exceptional growth strategy
- Management
- Societal impact

Top Canada Nanotechnology Startups

Data sourced from [Crunchbase](#) and [SemRush](#).



Vive Crop Protection

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Vive makes effective and sustainable pesticides for organic and non-organic production.



NanoXplore

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

A graphene company, a manufacturer and supplier of high volume graphene powder for use in industrial markets.



Nanotech Security

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Nanotech Security is a public company that designs and commercializes advanced security products and devices.



Nicoya Lifesciences

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Nicoya is a nanotechnology company developing sensor products that will change the world



Edgehog

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Edgehog offers bio-inspired, nanotextured, anti-reflection glass for high performance solar panels.



Nano One

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Nano One is a Vancouver-based technology company

Alchemy

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Nanotechnology preventing critical sensor damage and blindness in autonomous vehicles



ORA Graphene Audio Inc.

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Advanced Nanomaterials for High Performance Loudspeakers



nplex biosciences

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

NPlex Biosciences develops a proteomic technology platform designed to understand, detect, and treat diseases with DNA nanotechnology.



Summit Nanotech

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Summit Nanotech is a B2B company that specializes in nanotechnology to upscale and manufacture modular commercial systems.



Carbon Upcycling Technologies Inc.

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Carbon Upcycling Technologies uses the pollution of today to build the materials of tomorrow.



Cardiol Therapeutics

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Cardiol Therapeutics develops innovative cannabidiol medicines for heart disease.

Quantiam Technologies

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Quantiam Technologies Inc. to complete a carbon capture, storage and use technology.



Sixth Wave Innovations

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Sixth Wave is a nanotechnology company that captures several verticals that can appeal to multiple industries and market segments.



QD Solar Inc.

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

QD Solar is a technology company based in Canada that develops photovoltaic cells that use colloidal quantum dot technology.



Coloursmith Labs Inc.

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Coloursmith develops breakthrough optical filtering technologies in ophthalmic devices.



Interface Fluidics

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Interface Fluidics is an international technology company offering innovative reservoir fluid analysis services.



Sona Nanotech Ltd.

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Sona Nanotech Ltd. is a nano technology life science firm.

zergo.

Zergo

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Zergo is developing a nanotechnology-based in vitro health diagnostic. First application is a urine test for helping people get pregnant.



Kraken Sense

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Kraken Sense develops an automated pathogen detection platform that includes sensors to detect bacterial contamination in real-time.



Drinkable

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Drinkable is utilizing breakthroughs in electrochemistry to provide effortless, affordable, and accurate drinking water testing.

CelluForce

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

CelluForce is into development and commercial production of Cellulose NanoCrystals (CNC), a new advanced biomaterial produced from wood.

NuVessl

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

NuVessl is a nanotechnology company that specializes in pharmaceutical, product development, and research development.



Lumiant

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Lumiant is a materials science company pioneering the thermite processing of Inorganic Synthesized nanocomposite (ISn™) materials.



Arylla

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Arylla is a company focused on making counterfeit goods a thing of the past.



Spectra Plasmonics

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Spectra Plasmonics is a drug-checking technology which detect trace amounts of dangerous substances like fentanyl.

Polyamyna

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Polyamyna is developing advanced antimicrobial technologies to combat multi, extensive and pan-drug-resistant pathogenic microorganisms.

NanoQuan

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

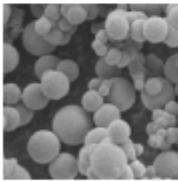
NanoQuan develops and manufactures advanced nanocomposite materials.



NanoCnet

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

NanoCnet introduces a new generation of nanomaterials for flexible transparent electrodes.



nFluids Inc.

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

nFluids manufactures high performing nanoparticles to solve a variety of problems in oil and gas and other industries.



FlexCap Energy

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

FlexCap Energy is a nanotechnology industry that provides flexible and customizable energy storage solutions for Wearable Electronics.



Acuitas Therapeutics

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Acuitas provides delivery solutions for molecular therapeutics using lipid nanoparticles (LNP).



Applied NanoTools

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Applied NanoTools is a company specializing in photonic sensors, fabrication, and optics.

Genesis Nanotechnology

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Applied Nanomaterials and Technologies: Discover, Develop, Position, Commercialize
– EXIT



Canum Nanomaterials

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Canum is a carbon nanomaterials manufacturing company.

Maieutic Enterprises Incorporated

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Maieutic is a startup comprised of engineers who are developing a revolutionary die and surface casting technology called a programmable.



Preciseley Microtechnology

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Preciseley Microtechnology is a pioneer in the design and manufacturing of MEMS products.



Ascension Sciences

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Ascension Sciences is poised to discover and commercialize compounds and techniques for the pharma and nutraceutical industries.



Graphene Leaders Canada

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Graphene Leaders Canada (GLC) Inc. is an early stage private graphene production and applications solutions company.



Nfinite Nanotech

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Nfinite Nanotechnology develops a nanocoating technology that enables the fabrication of devices such as photovoltaics, and batteries.



Sonus Microsystems

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Sonus Microsystems Inc. is the creator of a special type of ultrasound transducer fabricated with polymer materials (polyCMUTs).



Integran Technologies

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

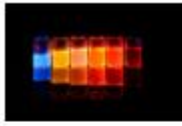
Integran is the world leader in revolutionary metallurgical nano-technologies.



Ekidna Sensing

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

Ekidna Sensing provides rapid, simple to operate, and on demand cannabinoid testing for the growing cannabis industry.



Applied Quantum

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

AQM researches, develops, and synthesizes metal-free, biocompatible silicon quantum dots and semiconductor nanoparticles.



Angstrom Engineering

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Angstrom Engineering sell industry-leading thin film deposition systems for PVD and CVD processes.

Pliant Power Devices Inc.

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Developer of lithium ion batteries designed for wearable and printed electronics companies.

Nanogenecs

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Nanogenecs builds a portable medical diagnostic platform that measures blood chemistry in minutes to deliver actionable insights.



CMC Microsystems

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

CMC Microsystems is a not-for-profit organization managing Canada's National Design Network.

Axiomm Technologies

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Axiomm Technologies is a consumption nanotechnology company.



Spectral Devices

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Spectral Devices develops and commercializes micro or nano-optical devices for compact and cost-effective multispectral imaging systems.

KPM-A

KPM-Accelerate

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

The chemical accelerator program for start-ups in advanced materials, materials transformation, nanotechnology, and energy.



Nanotechnology World Network

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Nanotechnology World Network is a nanotechnology association company located in CONCORD.

Novacam Technologies

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

novacam is based on 3D metrology systems.



Momentum Materials Solutions

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

MMS develops a carbon-membrane based filtration process to help meet the clean water and chemical separations needs of the future.

Performance BioFilaments

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Performance BioFilaments is a pioneering firm offering nanocellulose additives that helps in the performance of a wide variety of products.

NanoIntegris

NanoIntegris

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

NanoIntegris is the world's leading supplier of High Purity, Semiconducting, and Metallic Inks.



Graphite Innovation & Technologies

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

GIT is a leading Canadian materials engineering firm focused on delivering disruptive uses for graphene technologies.



SiO2

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

SiO2 is an innovative, safe and efficient ultra-thin high-performance and industrial coatings.



Divergent Rays Computing

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [Linkedin](#)

Divergent Rays Computing, a startup community, has developed a scientific image analysis platform to assist labs with microscopic exams.

SiEPIC Kits

[Crunchbase](#) [Website](#) [Twitter](#) [Facebook](#) [LinkedIn](#)

SiEPIC Kits is a Vancouver-based company that develops silicon photonics technology solutions to turn your ideas into functional prototypes.

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