



[HATCH.UBC.CA](http://HATCH.UBC.CA)



THE UNIVERSITY OF BRITISH COLUMBIA

### **A&K Robotics**

A&K Robotics has developed a navigation system that transforms manually operated industrial machines into self-driving robots. Utilizing artificial intelligence and machine learning, this technology enables robots to navigate dynamic indoor environments where GPS and other modern systems do not work. [aandrbotics.com](http://aandrbotics.com)

### **Acuva Technologies**

Acuva develops portable water purification systems that employ novel low-power UV-LED reactors. These systems allow for affordable, reliable, decentralized water purification, and are ideally suited for use in boating, remote living, and other point-of-use applications. [acuvatech.com](http://acuvatech.com)

### **AVA Technologies**

AVA is a food technology startup that makes electronic micro-gardens for home and commercial use. AVA Gardens take care of your plants for you, enabling anyone to eat better by growing their own produce straight from organic seeds. [avagrows.com](http://avagrows.com)

### **ExcelSense Technologies**

ExcelSense Technologies has developed a novel technology that allows industrial optics such as cameras to self-clean against the common contaminants in harsh industrial environments, with no scheduled maintenance necessary. The technology is entirely self-contained in the camera unit and is effective against abrasive dust, mud, oil, grease, water and more. [excelsensetechnologies.com](http://excelsensetechnologies.com)

### **Illusense**

Illusense is developing an ultra-high resolution laser-based internal oil and gas pipeline inspection technology to improve integrity management by proactively prioritizing pipeline maintenance actions. The resulting 3D data sets will allow pipeline operators to capitalize on unprecedented intelligence to enhance the understanding of the condition of their assets and deliver on their zero-leak goals. [illusense.com](http://illusense.com)

### **LET'S**

LET'S is developing Takhti, a long-range wireless server that provides web-based educational, biomedical, and socioeconomic resources in developing communities without internet connectivity, to foster growth and innovation. [lets-ica.com](http://lets-ica.com)

### **Microdermics**

Microdermics' hollow microneedle platform provides a reliable, painless, and cost-effective means of delivering therapeutics and vaccines. Whereas traditional hypodermic needles inject into the blood, the microneedles inject into the skin, eliminating the pain and bleeding usually associated with receiving an injection. [microdermics.com](http://microdermics.com)

### **Moovee Innovations**

Moovee Innovations leverages vehicle-to-everything data communications to enhance transportation safety, and crowdsources roadside and vehicular sensors to resolve congestion, under autonomous and conventional vehicle coexistent scenarios. Pilot projects include a possible autonomous shuttle service for UBC, among others. [mooveeinnovations.com](http://mooveeinnovations.com)

### **Sonic Incytes**

Sonic Incytes is developing ultra-portable ultrasound for the diagnosis of liver disease and other pressing medical conditions. Unlike current diagnostic tools, the product accurately measures liver disease safely, rapidly and affordably by quantifying tissue stiffness without medical specialist intervention, at the point of care. [sonicincytes.com](http://sonicincytes.com)

### **Tesseraz**

Tesseraz is creating a proprietary manufacturing process to produce a clear, structural polymer composite material to be used as a glass window replacement. It has significantly beneficial properties over glass in terms of its insulation abilities and durability. Sensors and electronics can also be embedded in the material for other uses. [tesseraz.com](http://tesseraz.com)

### **Vital Mechanics Research**

Vital Mechanics Research (VMR) is a software startup, with patent-pending technology for simulating the behaviour of skin-like materials and soft tissues that move in close contact. [vitalmechanics.com](http://vitalmechanics.com)

# THE RIGHT OPPORTUNITY

## Accelerating the Success of High-Tech Startups

*Dream up. Think up. **HATCH**.* Whatever phrase you choose, the truth is the same: All startups begin with an entrepreneurial idea. Yet, without the right support, success can evade even the right talent—and their world-changing solutions may simply turn back to dream. A fleeting venture.

How to ensure the right concepts become the next global startup? Consider **HATCH**, The University of British Columbia (UBC)'s technology incubator which exclusively devotes 6000 square feet of its research power to the entrepreneur. Ranked among the top 20 public research universities in the world, UBC is becoming the multidisciplinary pipeline for turning local high-tech ventures into powerful economic drivers for Canada and beyond. Already UBC has created over 180 spin-off companies.

And the right ideas just keep **HATCH**-ing.

*Powered by the Institute for Computing, Information and Cognitive Systems (ICICS)—a multidisciplinary research institute that promotes collaborative research in advanced technologies systems—in partnership with entrepreneurship@UBC (e@UBC)—UBC's venture accelerator, connecting the entrepreneurial community and building impactful ventures.*

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