



Commercializing UAF Innovation: A Win-Win for Alaska

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Technology Transfer Is Part of UAF's Educational Mission

Knowledge

- Publish data and research
- Educate students and the public

Technology

- Transfer of intellectual property to developers is technology commercialization

Transforming Research into Technology



- Innovate
- Protect IP
- License IP
- Build startups

UAF Structure for Commercializing Technology



Researchers innovate

OIPC protects IP



NIC licenses IP
(Separate 501c3)



NTV builds startups
(Separate C-Corp)

OIPC

The role of the Office of Intellectual Property and Commercialization (OIPC) is to:

- engage inventors,
- perform initial due diligence, and
- protect intellectual property

The
United
States
of
America



The Commissioner of
Patents and Trademarks

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this 5,860,492

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which the earliest application was filed, subject to any statutory extension.

J. Todd Johnson

Acting Commissioner of Patents and Trademarks

Mayorie V. Turner

Attest



Therapeutic Hypothermia After *Hypoxic-ischemic encephalopathy* (HIE) (the cause of cerebral palsy)



<http://resus.me/ikar-neonatal-cooling-guideline/>

Office of
Intellectual Property
and Commercialization

OIPC builds bridges between UAF researchers and industry partners to develop the Alaskan economy. We support faculty, staff and student inventors throughout the intellectual property protection and licensing process.

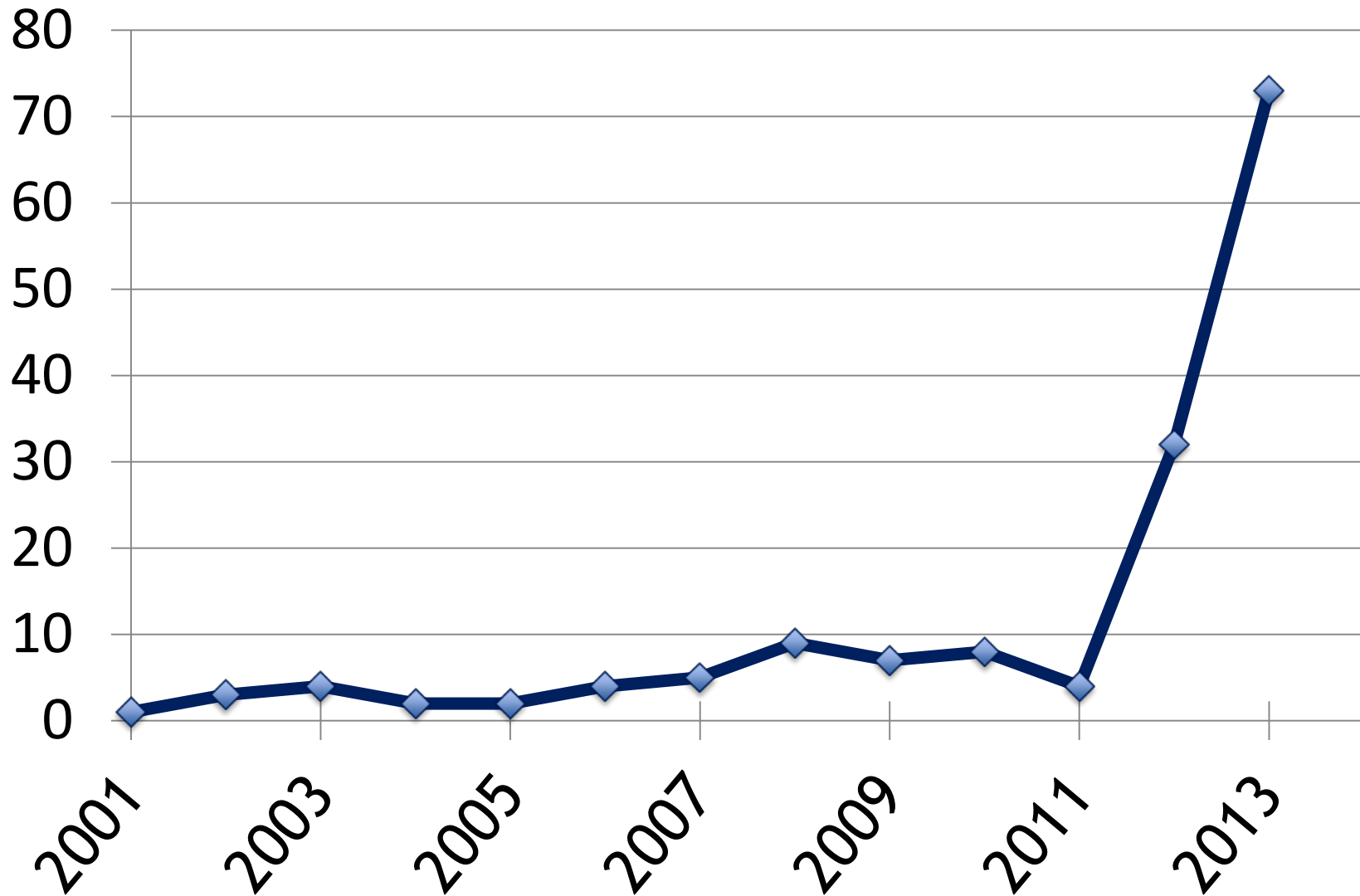
Alaska's Innovation Pipeline

If you have questions regarding an invention, please contact us at UAF-OIPC@alaska.edu or visit our website at www.uaf.edu/oipc



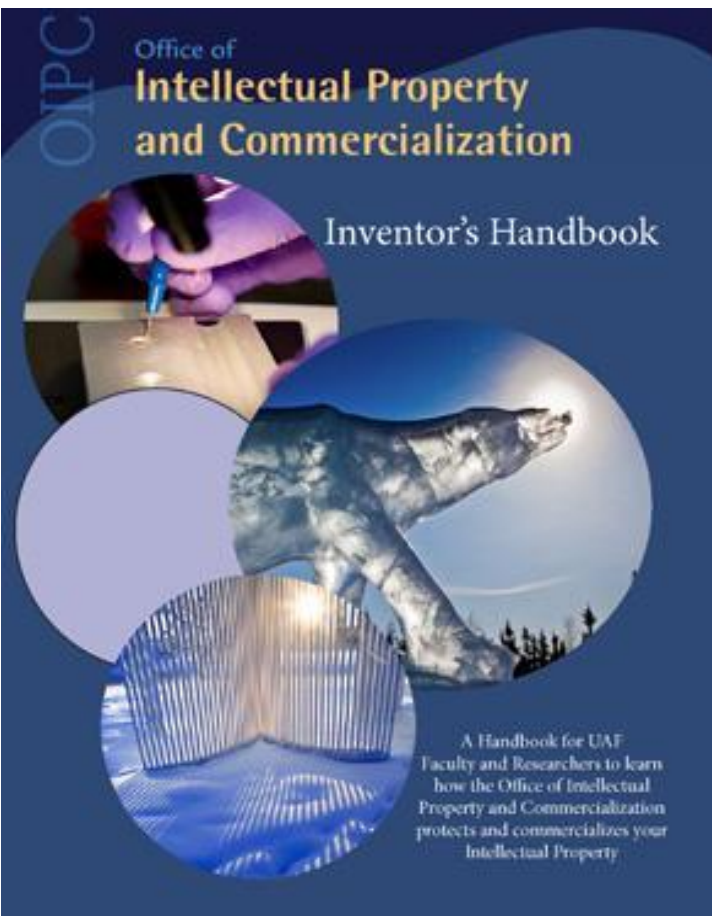
The Fairbanks Regional Economic Partnership gathers legislators, UAF inventors, and UAF staff to discuss how the University can engage on economic issues.





Inventor Support

- Review grant contracts and MTAs for IP
 - 69 in 2013
- Execute non-disclosure agreements
 - > 55 in 2013
- File patents
 - 7 last calendar year
- Assign non-commercialized inventions back to inventors
 - 25 last year
- Develop conflict of interest plans for inventors creating startups



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Memorial Hospital and
Denali Center



Dan White
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Associate Vice Chancellor
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Director, and INE Director



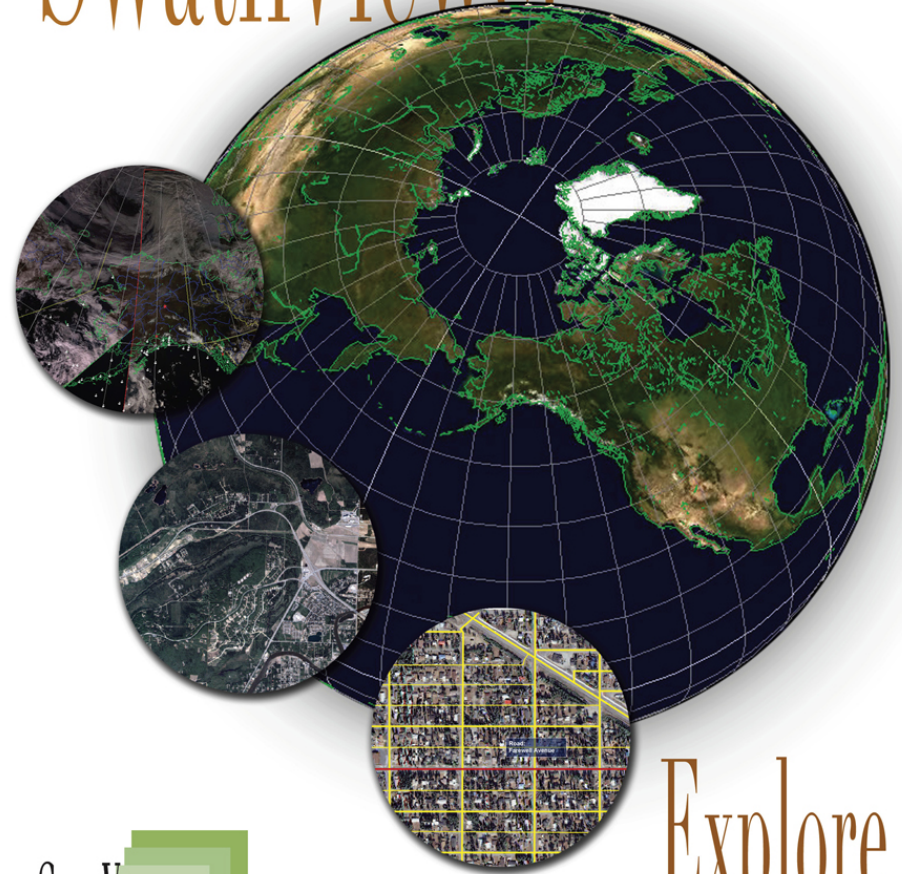
John Zarling
Treasurer
UAF Engineering Faculty,
Retired



John Burns
Board Member
Former Alaska Attorney
General,
Owner, Burns & Associates,
PC

- Patents and software licensed
- Licensing can expand existing businesses

SwathViewer™



SwathViewer™
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Explore.

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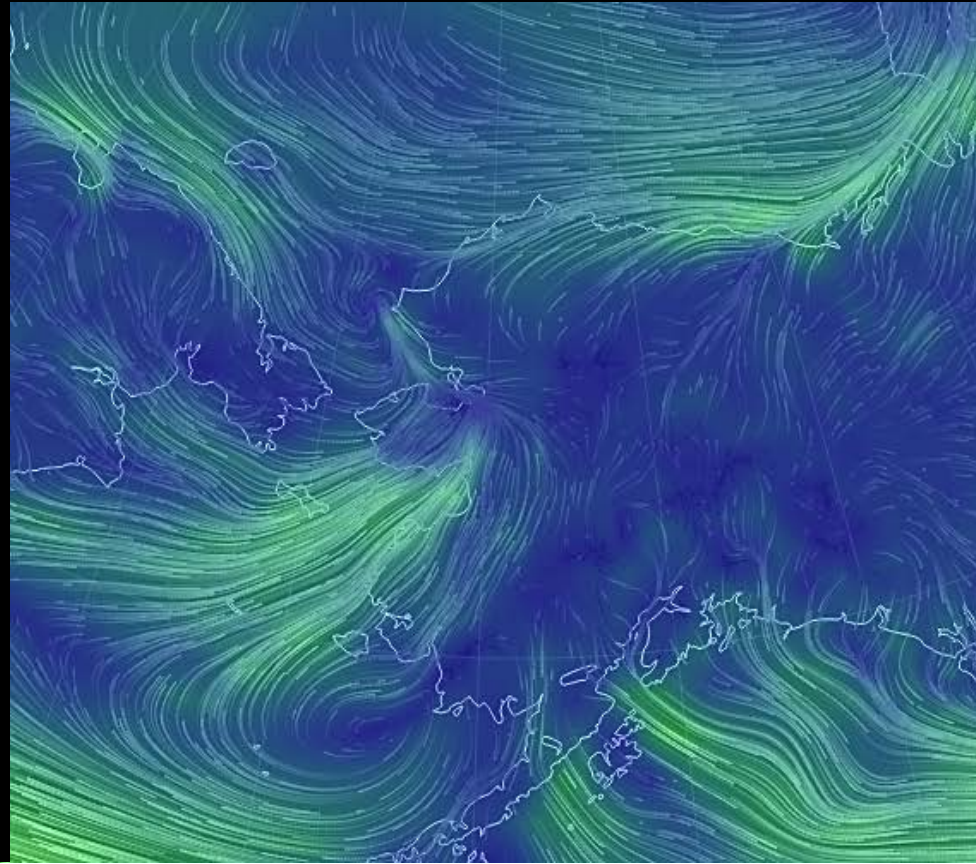


NTV builds startups
(Separate C-Corp)

NTV

Accelerating Startups in the Far North

Nanook Tech Ventures (NTV)
is the nation's northernmost
startup accelerator
program.



www.nanooktechventures.com

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Tools to assess transportation safety and eruption scenarios.

Volcanic ash poses a significant risk to global & regional commerce. V-ADAPT, Inc. has developed web-based software tools and proprietary methods to help the airline, shipping, and insurance industries manage the risks associated with volcanic ash.



First startup for NTV
www.vadapt.net



NTV takes inventors from a research concept...



CONTROL SYSTEMS

Unbase is a drone control system in a box. This system unlocks the use of low-cost drone technology for scientists, hobbyists, and companies alike.

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FOR EASE OF USE**

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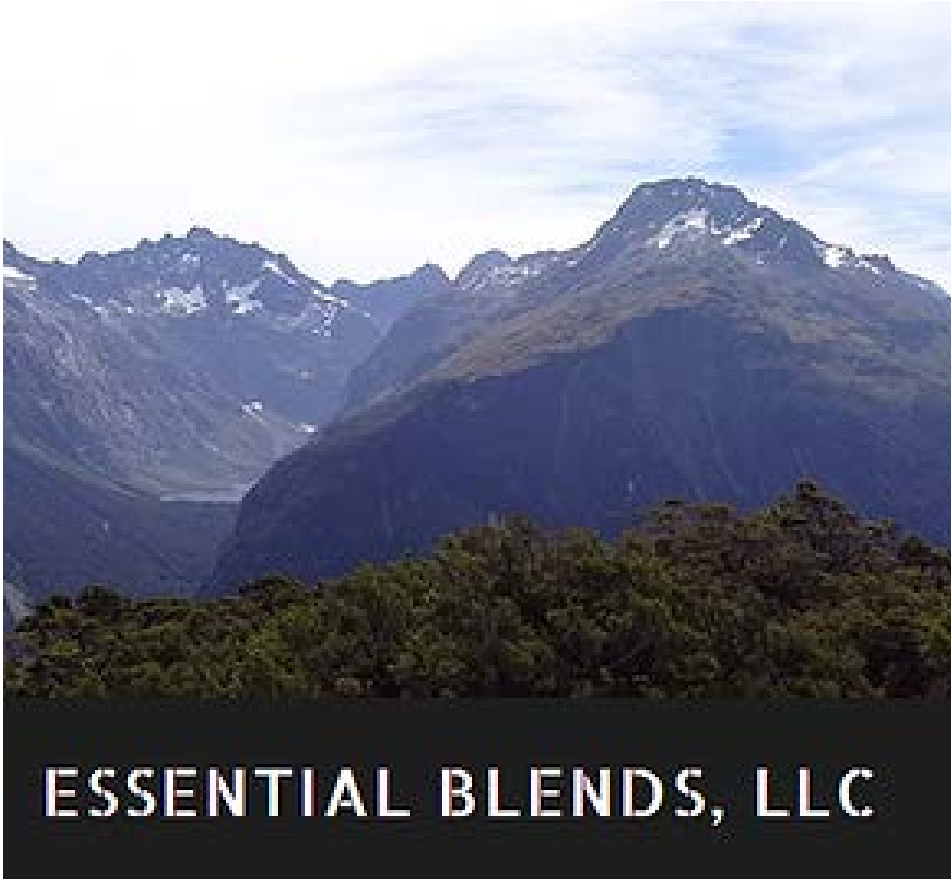
[VIEW MORE](#)

**ORDER
NOW**

...to starting an Alaskan business based on their research and inventions.



There are several companies in the innovation pipeline. Several are launching startups to build new technology under SBIR and STTR grants right here in Alaska.



Faculty have [moved to Fairbanks](#) due to the unique start up opportunities provided by OIPC/NIC/NTV.

Investment and Fund Management



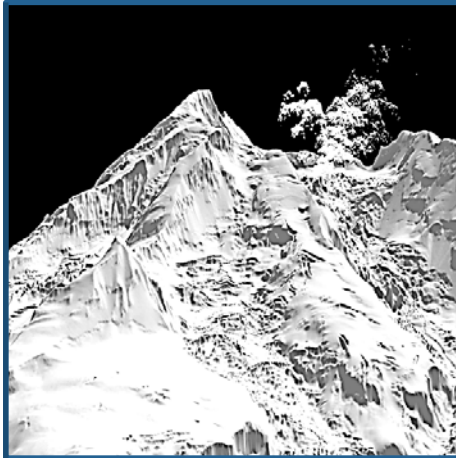
Summary of Success

- UAF OIPC
 - over 130 invention disclosures in the past 2.5 years
- NIC
 - Licensed more than 37 pieces of technology
 - 36 of which are to companies doing business in Alaska
- NTV
 - Created two startups that are licensing technology
 - Four upcoming startups working on technology under SBIR or STTR grants

Economic Impact

- Companies get access to better technology
 - Their businesses become more efficient
- Consumers get better, low cost products
- The best talent moves to/stays in Alaska
- Keep money in our state
 - Alaskan investors can invest in Alaskan businesses
- Create high-tech, competitive jobs in Alaska
 - Eight have stepped into private business with conflict plans

We are Alaska's Innovation Pipeline

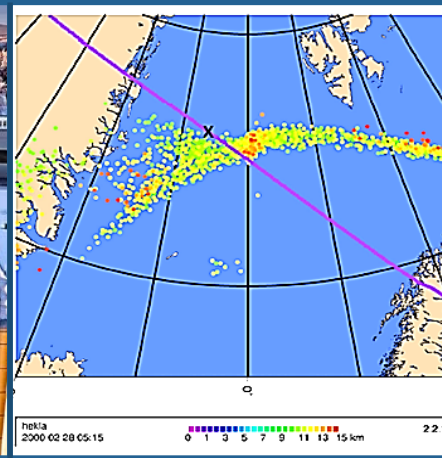


Solve real
problems



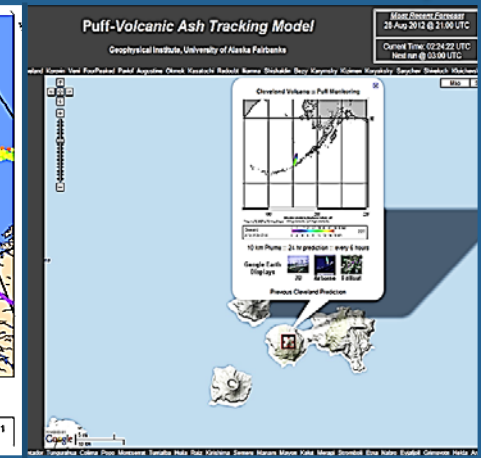
Protect
intellectual
property

OIPC



License
technology

NIC



Create
startups

NTV



THANK YOU

Office of Intellectual Property and Commercialization

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www.uaf.edu/oipc