

OIPCO

Office of

Intellectual Property and Commercialization



The Role of Research in Economic Development

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Economic development

Licensing of technology/processes/plants

Intellectual property protection

Inventions with commercial potential

Research



Economic Development



- ▶ **When an Alaskan company licenses new technology it gets a competitive advantage...**
- ▶ **It can increase its revenue.**
- ▶ **It can create new, sustainable jobs.**

- ▶ **When an Alaskan company licenses new technology consumers get products and services that are:**
 - ▶ better quality;
 - ▶ lower cost; and/or
 - ▶ more efficient.

- ▶ **When an Alaskan company licenses new technology it builds a strong relationship with the University that:**
 - ▶ Leads to the company having access to cutting edge research. This leads to better technology, more competitiveness in business, and better products.



Research to Inventions



- ▶ The University of Alaska has over 50 research centers that span a wide variety of fields, including, but not limited to agriculture, biology, computing, fisheries, ocean science, geophysics, mineral science, energy, and engineering.
- ▶ These research centers have produced many new technologies.
- ▶ Viable technologies are protected and commercialized.
- ▶ Research is done on technology owned by others. In many cases the value of improvements are shared.



Inventions to Businesses



▶ The Role of OIPC

- ▶ The best way for university research to be valuable to a company the intellectual property must be protected and available to be licensed by the business.
- ▶ OIPC was established to streamline the process from invention to commercial licensing.

▶ The Role of the Nanook Innovation Corporation (NIC)

- ▶ NIC was established to work directly with businesses licensing university inventions.

▶ The Role of Nanook Tech Ventures (NTV)

- ▶ Create and support start-up companies.
 - ▶ Hold equity in companies.
 - ▶ Manage consulting contracts.
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OIPC's Process:



Step 1: Applied and Basic Research and Development

- ▶ Faculty perform \$114 Million in research annually.
- ▶ Invent potentially ~15 technologies annually with commercial potential.

Step 2: Consultation with the OIPC

- ▶ OIPC assess whether intellectual property exists, and determine the scope of the intellectual property.
- ▶ OIPC, in conjunction with the business sector, determines whether the invention has commercial potential.

Step 3: Assignment to NIC for commercialization

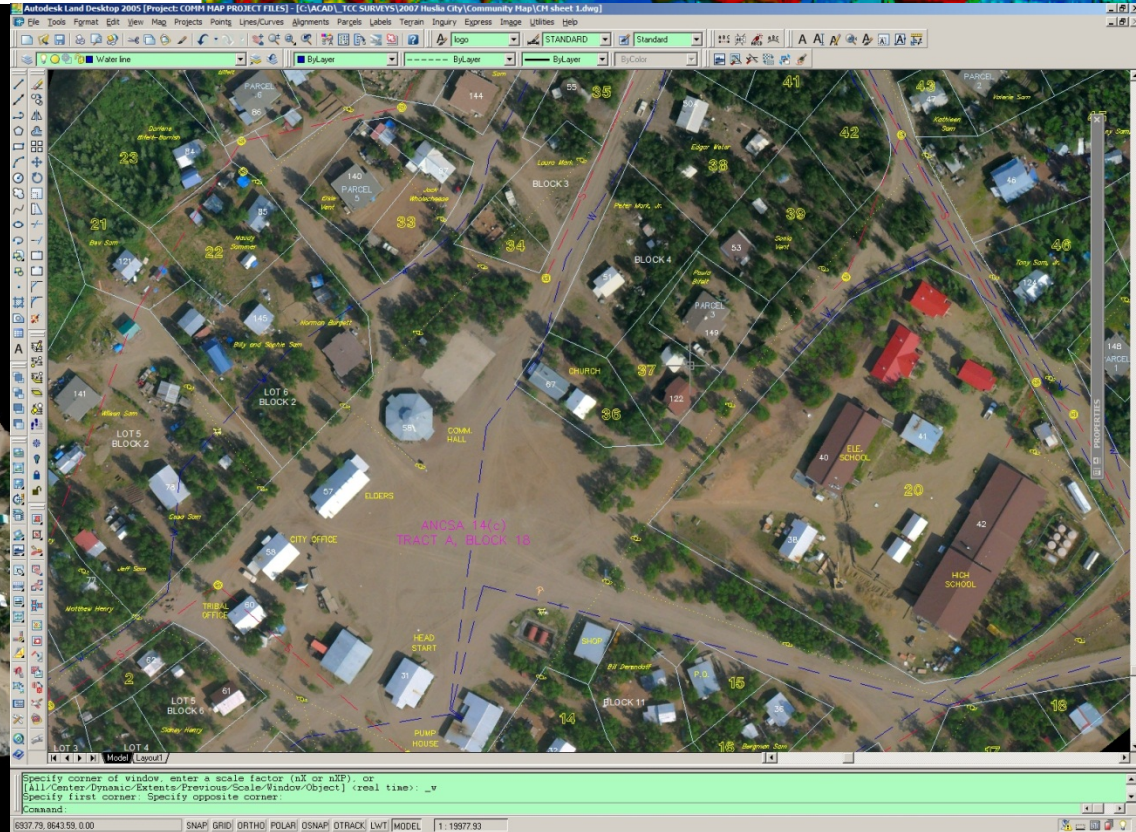
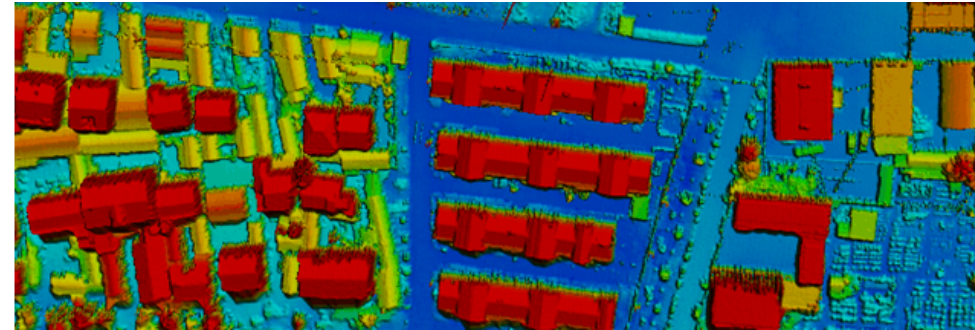
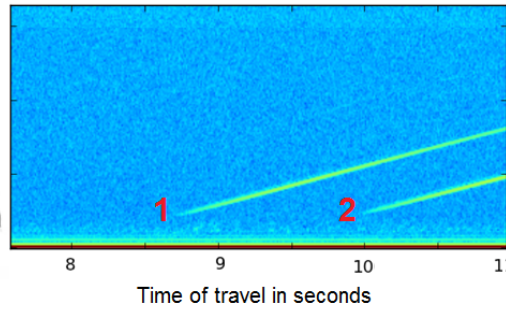
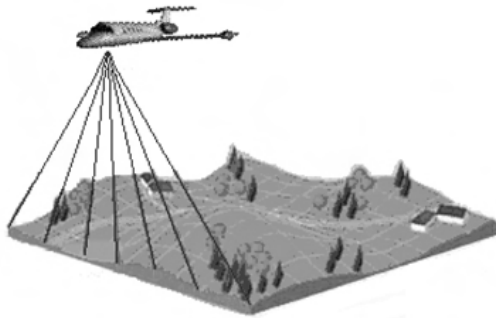
Step 4: Assignment to NTV for business creation



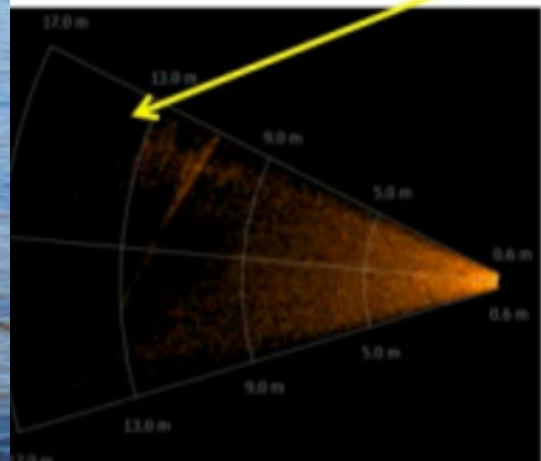
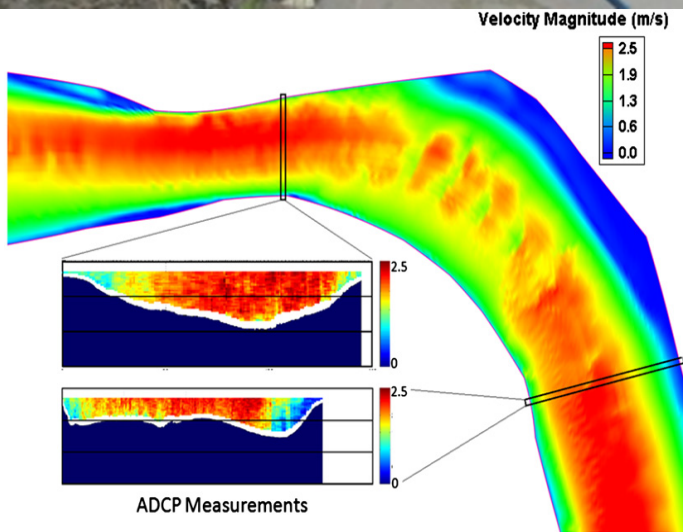
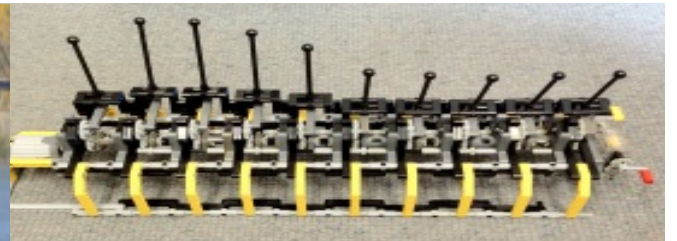
UAF's Technologies Can Manage Risk to the Aviation Industry from Volcanic Ash



UAF Technologies Are Useful Tools for Infrastructure Assessment & Monitoring



UAF Technologies Are Useful For Implementing Hydrokinetic Devices



How you can help



- ▶ Research →→→ Economic development
- ▶ Support small businesses through:
 - ▶ Mentoring and coaching
 - ▶ Networking and establishing corporate relations
 - ▶ Connecting financial resources
- ▶ Help us connect research with local and regional businesses who may be interested in new, competitive technology.



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Questions?



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If you have any comments or questions, please contact:

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