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
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.
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.
Questions?