LAUNCH ALASKA

Lunch & Learn Presentation

March 21, 2023

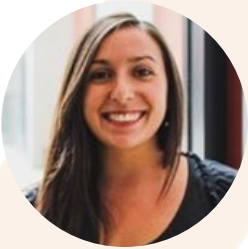
LAUNCH ALASKA

Founded in 2016 in Anchorage, Launch Alaska is a nonprofit organization on a mission to **accelerate the energy transition and decarbonize the globe, starting in Alaska.**

We cultivate partnerships to connect **climate tech companies** and **customers**, catalyze Alaska's **clean energy economy**, and build a regenerative future for all.

LaunchAlaska.com

Board of Directors



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CIRI
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COOK INLET TRIBAL COUNCIL People. Partnership. Potential.
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KUNA ENGINEERING
LOMASHBURY & ASSOCIATES
WM WASTE MANAGEMENT
WESTERN SARE Sustainable Agriculture Research & Education
Zender Environmental

The Challenges

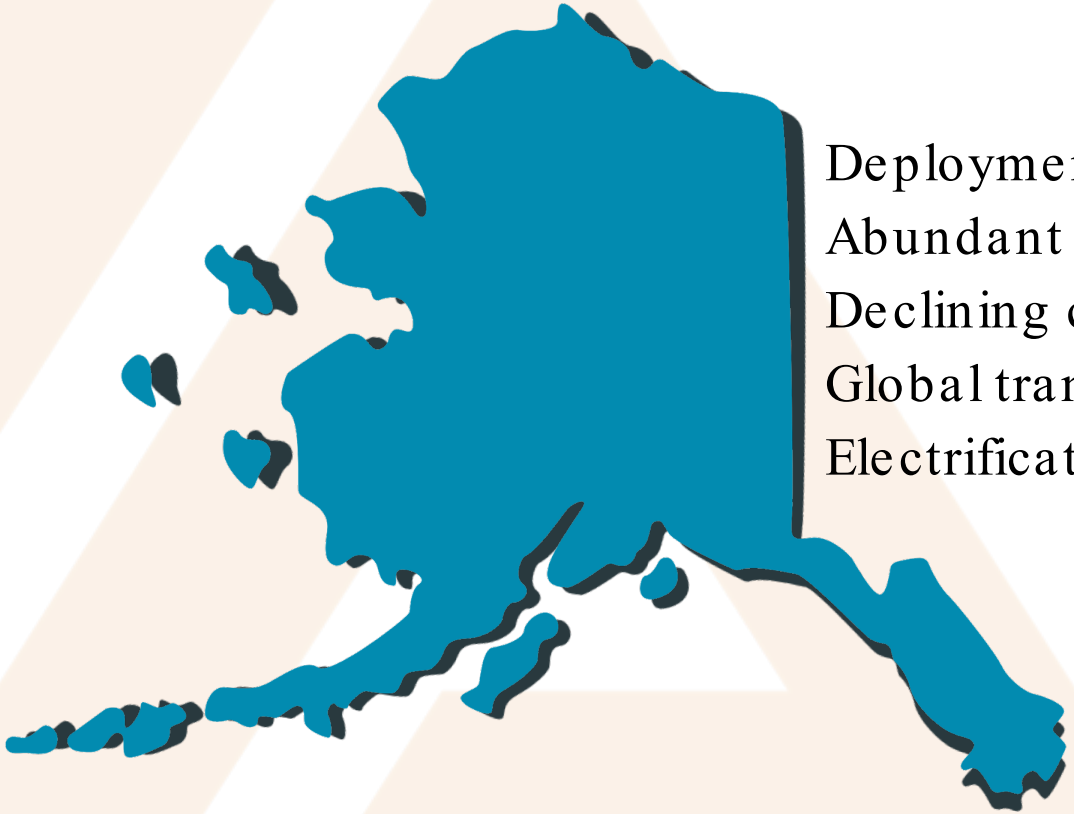
Climate change

Local economic headwinds

2nd highest cost of energy in the U.S.

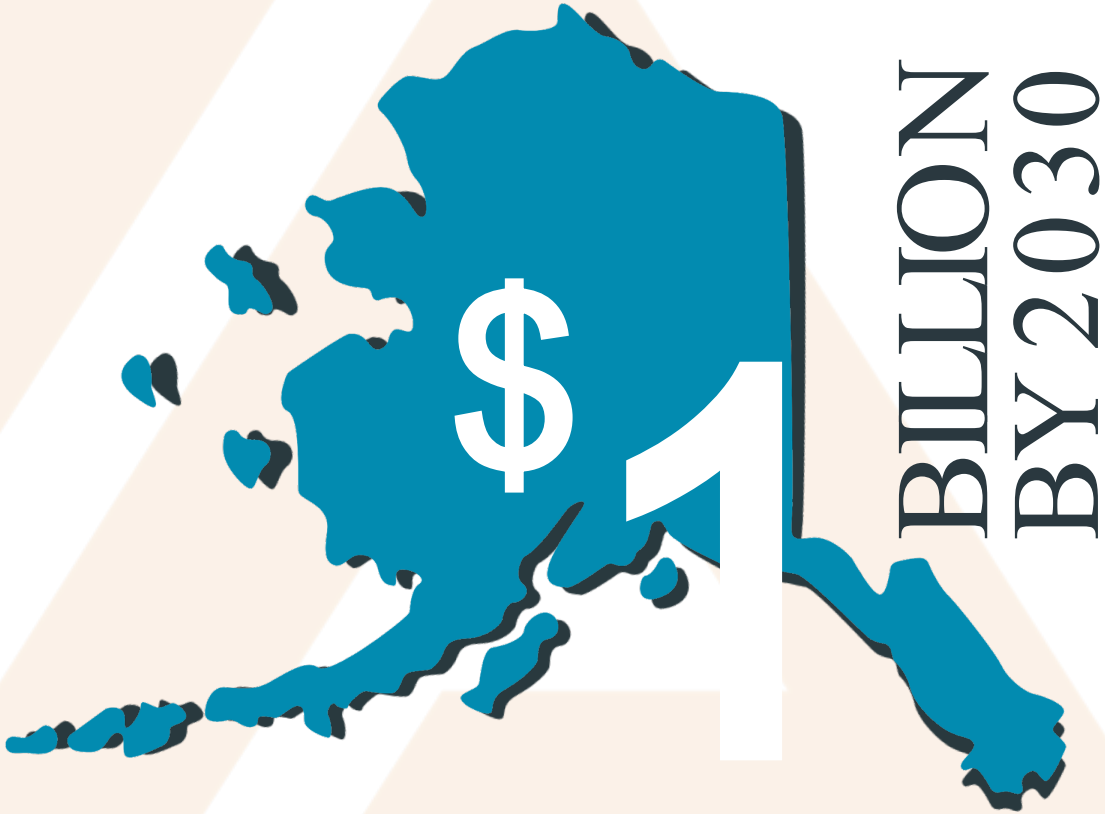
Remote and isolated market

Opportunity

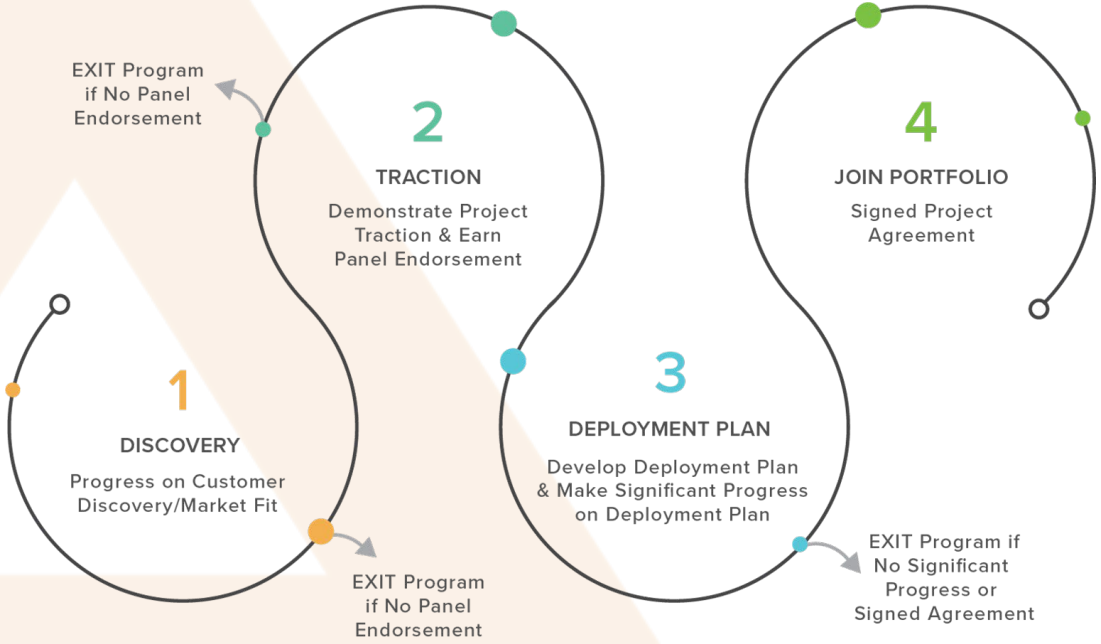


Deployment destination
Abundant natural resources
Declining cost curves
Global transition
Electrification of everything

Our Objective



Tech Deployment Track



Technology Areas

Energy

- Clean Energy Generation Solutions: solar, nuclear, wind, thermal, ocean and hydro, waste-to-energy
- Grid Management and Resiliency
- Microgrid Technologies
- Long Duration Energy Storage
- Hydrogen
- Demand-Side Management and Energy Efficiency
- Battery/Solar Panel Recycling
- Biofuels

Transportation

- Autonomous Vehicles
- Unmanned Aerial Vehicles
- Electric Transportation
- Last Mile Transport
- Shipping and Logistics
- Mobility
- Aviation
- Maritime
- Alternative Fuels

Industry

- Industrial Internet of Things
- Robotics and Automation
- Carbon Tech
- Hydrogen
- Low-Footprint Industrial Processes
- Alternative Fuels
- 3D Modeling
- Augmented and Virtual Reality
- Predictive Maintenance
- Permafrost Management and Ice Engineering

Launch Alaska Portfolio

Q1 + Q2, 2022

27 Active Companies

13 Average Employees

$2M Total Value of Project Commitments

50 Net Jobs Created

10K mt CO_2 GHG Emissions Reduction
(all products and services sold in Q1-Q2, 2022)

Portfolio Companies

Energy

BOXPOWER

BLUE PLANET ENERGY

CalWave Power Technologies

GREENSPARC

VECKTA

RADIANT

60 HERTZ

Transportation

AMPAIRE

signol

Industry

AQUACYCL

Aquagga

BIOMASS CONTROLS PBC

Blue Ocean Gear

ecoSPEARS INNOVATION THAT CLEANS THE WORLD

Kartorium

KEMA

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DOE Announces $43 Million To Speed Up The Energy Transition Across The US
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Arctic Road Rally aims to show electri vehicles' potential in Alaska
August 15, 2022 by Tim Ellis, KUAC - Fairbanks
A truck makes its way south on the Dalton Highway near Coldf
Energy Desk)
Ten electric vehicles set out Friday from Fai
Dalton Highway and back. The Arctic Road
of electric vehicles to operate in the far no
Organizers say the rally also will showcase EV technology
the vehicles to drive anywhere on the state's road system.
AlaskaBusiness
AEA Invests in Houston Solar Farm
NOV 15, 2022 | ENERGY, NEWS
Construction began in August at the site in Houston of a 45-acre solar farm.
AEA
The board of the Alaska Energy Authority (AEA) approved a $4.9 million loan toward construction of an 8.5 MW solar array in Houston, which would be the largest utility-scale solar farm in Alaska.
State Support
The project is being developed by Energy 49, a spinoff of Renewable IPP, which owns and operates a solar farm in Willow. At 1.2 MW, the Willow facility was the largest solar array in the state when it was built in 2018. The Houston project, which began construction this fall, will cover 45 acres with ballasted bi-facial photovoltaic panels, providing enough electricity for approximately 1,400 homes. Matanuska Electric Association has committed to purchasing all energy generated at the solar farm.
The financing from AEA comes from its Power Project Fund (PPF).
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Kotzebue Electric Association

Project Summary

Launch Alaska's work with KEA encompasses several projects focused on enabling a transition to 100% clean energy generation. Efforts focus on the technology required to successfully transition to clean energy, and identifies business models, commercial agreements and financing structures to accelerate the community's energy transition.

Community Benefits

- Improved power system resilience
- Decreased greenhouse gas emissions
- Decreased diesel reliance
- Increased cost savings
- Stable energy prices

PARTNERS

Kartorium

60 HERTZ

Port of Alaska

Project Summary

Launch Alaska is supporting the Port of Alaska in developing the Port of Alaska Power Plan, including a solar + storage microgrid that will improve the reliability and security of port activities, reduce power costs and greenhouse gas emissions, and enable future electrification and automation of port operations.

Community Benefits

- Protect critical infrastructure
- Support disaster recovery preparedness
- Strengthen national security
- Provide energy cost savings

How to Get Involved

PARTICIPATE IN TECH DEPLOYMENT TRACK:

Refer a startup, share your Alaska expertise by participating as a panelist, or participate another way: **LaunchAlaska.com/TDT**

SUBSCRIBE TO OUR NEWSLETTER

Join our digital network to receive the latest project and program updates, climate tech news, and thoughts from our team: **LaunchAlaska.com/Email-Signup**

DONATE TO LAUNCH ALASKA

Gifts from our community help support Launch Alaska programs and projects, which we leverage to benefit all. **LaunchAlaska.com/Donate**

LAUNCH ALASKA

Thank You!

Isaac Vanderburg- isaac.vanderburg@launchalaska.com
Penny Gage- penny.gage@launchalaska.com