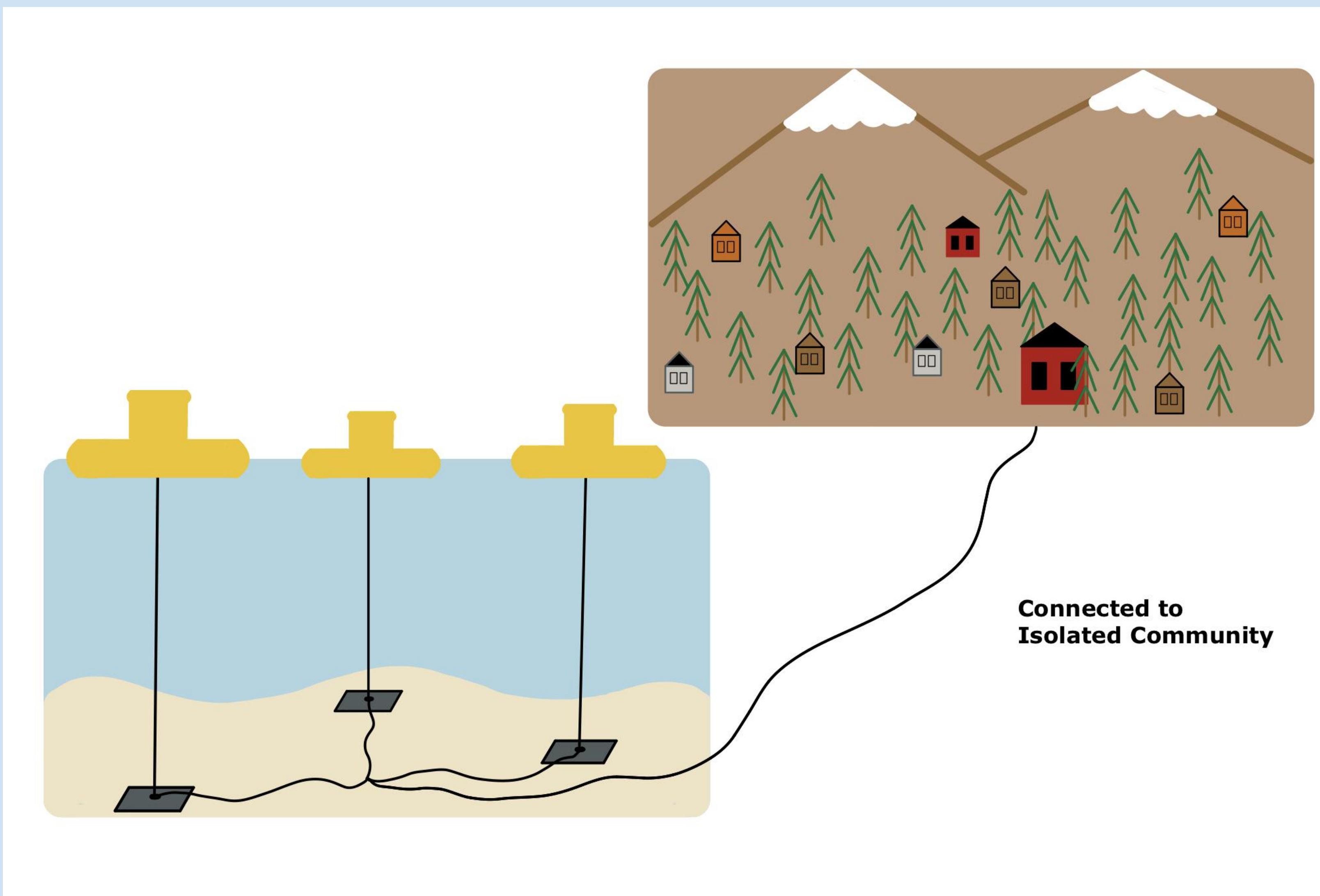


# Wave Energy for Microgrids and Isolated Communities

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## Introduction

Many remote communities currently rely on diesel generators for power generation, which have a high carbon footprint and cost, and may be unreliable if supply chain disruptions cause diesel fuel to not reach the communities on a regular basis. One specific geographical region we are targeting for initial deployment is the state of Alaska and the neighboring west coast of British Columbia, Canada, because these regions occasionally experience blackouts for hours to days at a time until they can get another shipment of diesel.



## Market Feasibility

- Microgrid market: \$8 billions → \$26 billions by 2026
- Wave energy market: \$43.8 million → \$141.1 millions by 2027

### Stakeholders

- Isolated Communities
- Microgrid manufacturers & companies
- Wave energy converter manufacturers

## Conceptual Design of Gold Wave 55

### Wave Energy Converter

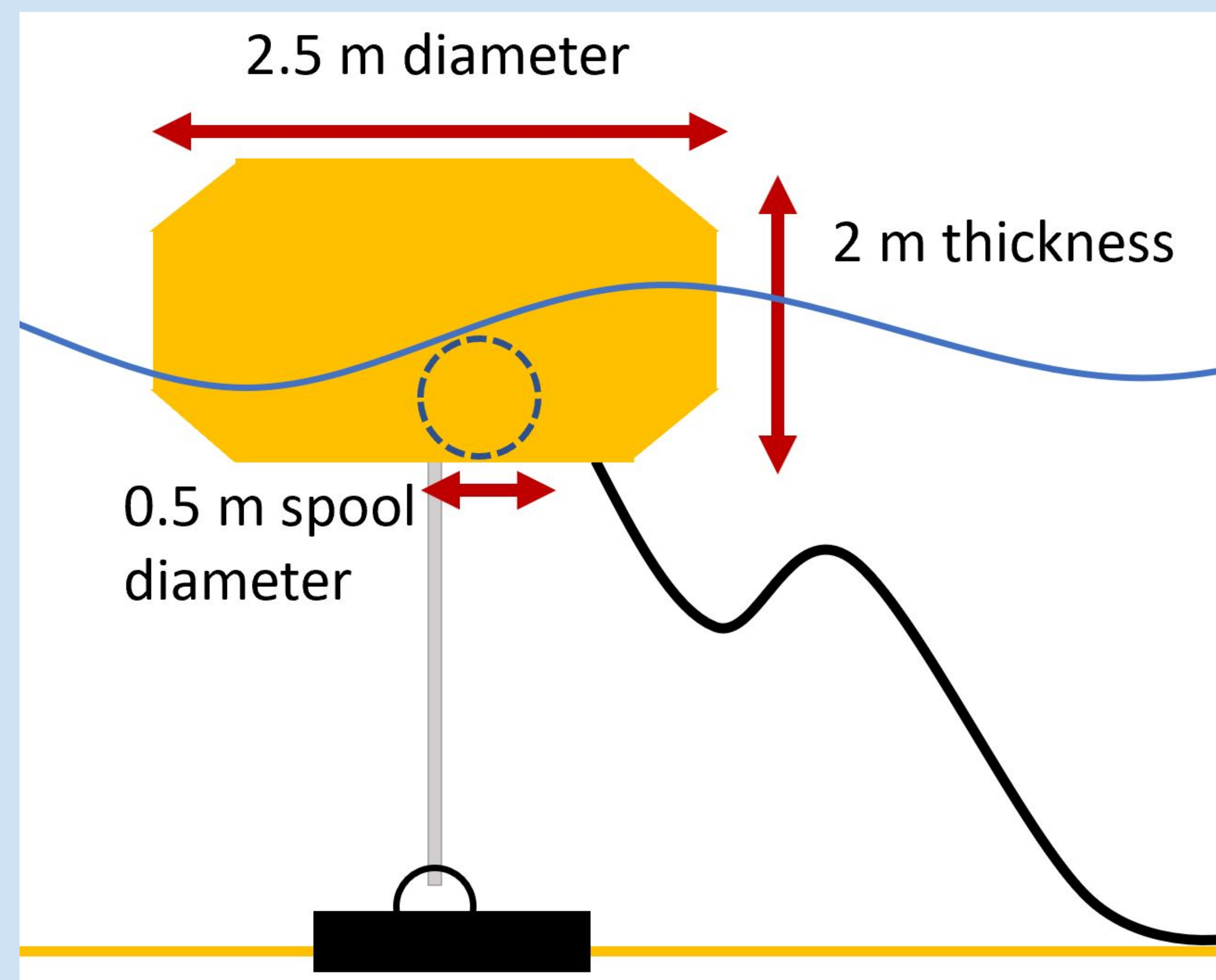
- Heaving Point Absorber
- Multiple units ensure overall system reliability

### Power take-off

- Rotary winch style ensures unit reliability

### Specs

- Rated Power: 55 kW | Avg Power NW: 20 kW



## End User Analysis

### Coast of British Columbia, Canada

- 40kW - 250kW power requirement
- 20 - 100 people per community
- Many located on islands or fairly close to the shoreline
- Currently rely on diesel generators

### Energy Product Requirements

- High reliability, Low maintenance, Robust

## Revenue Forecast

Our revenue primarily comes from either one-time purchases from microgrid or utility companies or recurring revenue through charging per kWh of power generation. After the first year of development, we expect revenue to increase exponentially as we scale and form partnerships with microgrid providers and communities.