



Ocean Renewable Power Company

Producing baseload renewable electricity from rivers and tides

March 2024



Patented technology, proven through 17 successful deployments since 2007



Who we are

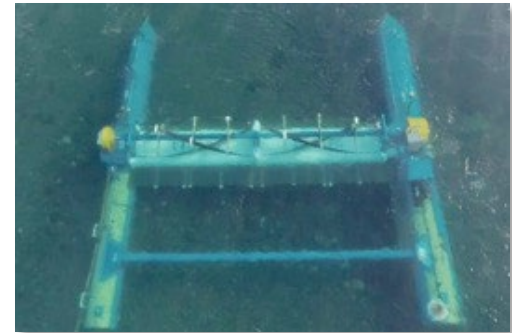
- Founded in 2004. Headquartered in Portland, Maine, USA.
- 45 employees; subsidiaries in Canada, Ireland and Chile

What we do

- Convert kinetic energy in water currents into clean, predictable, affordable sources of renewable electricity
- Provide smart microgrid solutions powered by ORPC power systems

ORPC's objectives

- Develop clean energy solutions for remote communities and critical infrastructure
- Create local jobs for installing and maintaining equipment



RivGen[®] energy production potential *in a typical river*



One RivGen[®] powers
(200 to 600 MWh/year)



2 to 6 public buildings
(7,200 sqft - 15 kWh/sqft)

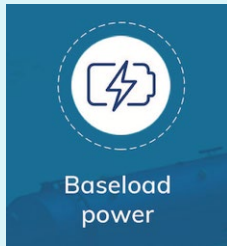


9 to 27 houses
(22 MWh/year)



25 to 75 times around
the world in Tesla
(31 kWh/100 miles)

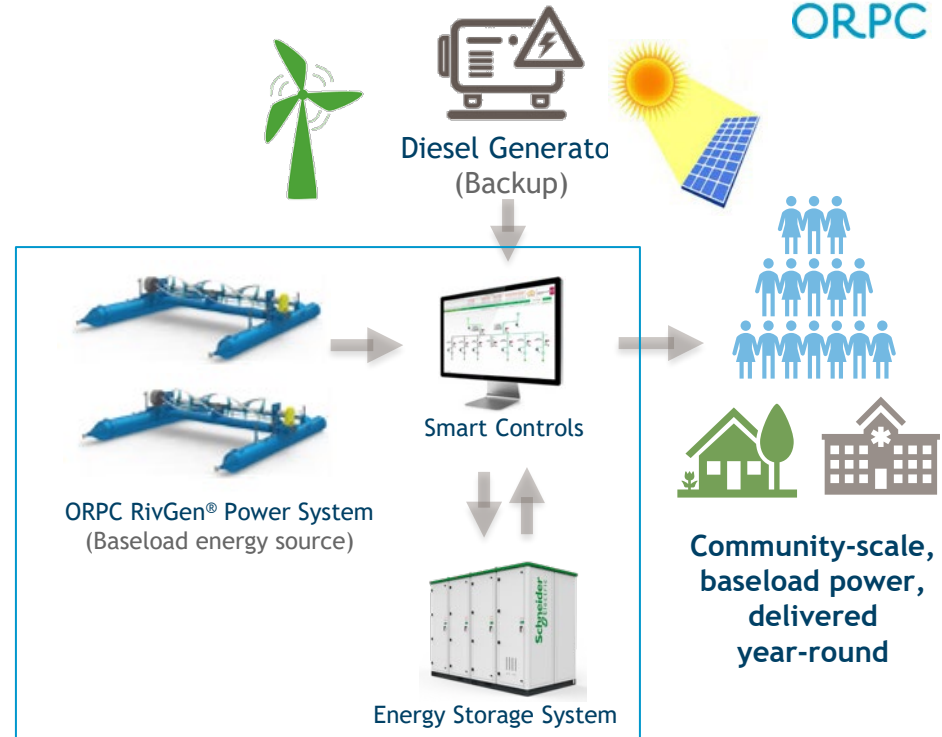
Benefits



Baseload renewable energy from free-flowing rivers and tides



- A RivGen-powered smart microgrid can relegate diesel generators to backup only.
- RivGen provides constant, predictable power (baseload).
- Energy storage and smart controls, coupled with RivGen baseload power, improve the value proposition of intermittent sources like wind and solar.



ORPC's RivGen®-based Microgrid Solution

Remote Communities

Relegating diesel generators to backup power



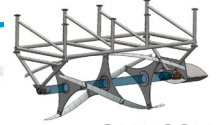
ORPC's RivGen® Power System can combine with batteries to provide baseload renewable electricity. Will allow Igiugig, AK to run with diesels off 60-90% of the time.



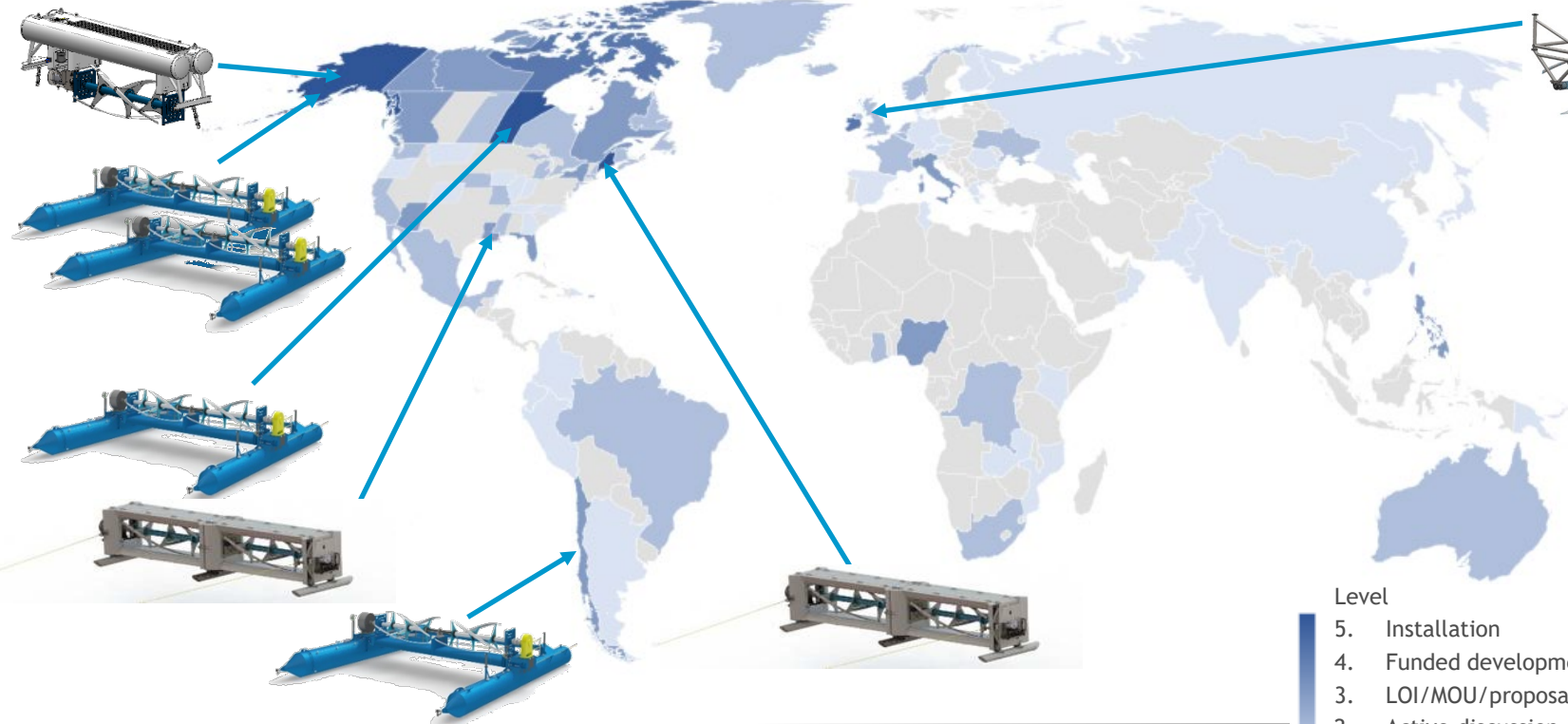
Microgrid and energy storage system developed with Schneider Electric

In 2024, ORPC will deploy at least 4 additional devices including in Chile and with Shell

Tidal turbines will be deployed in N. Ireland and potentially Cook Inlet, AK



CRIMSON
& X-Flow
Projects



Level

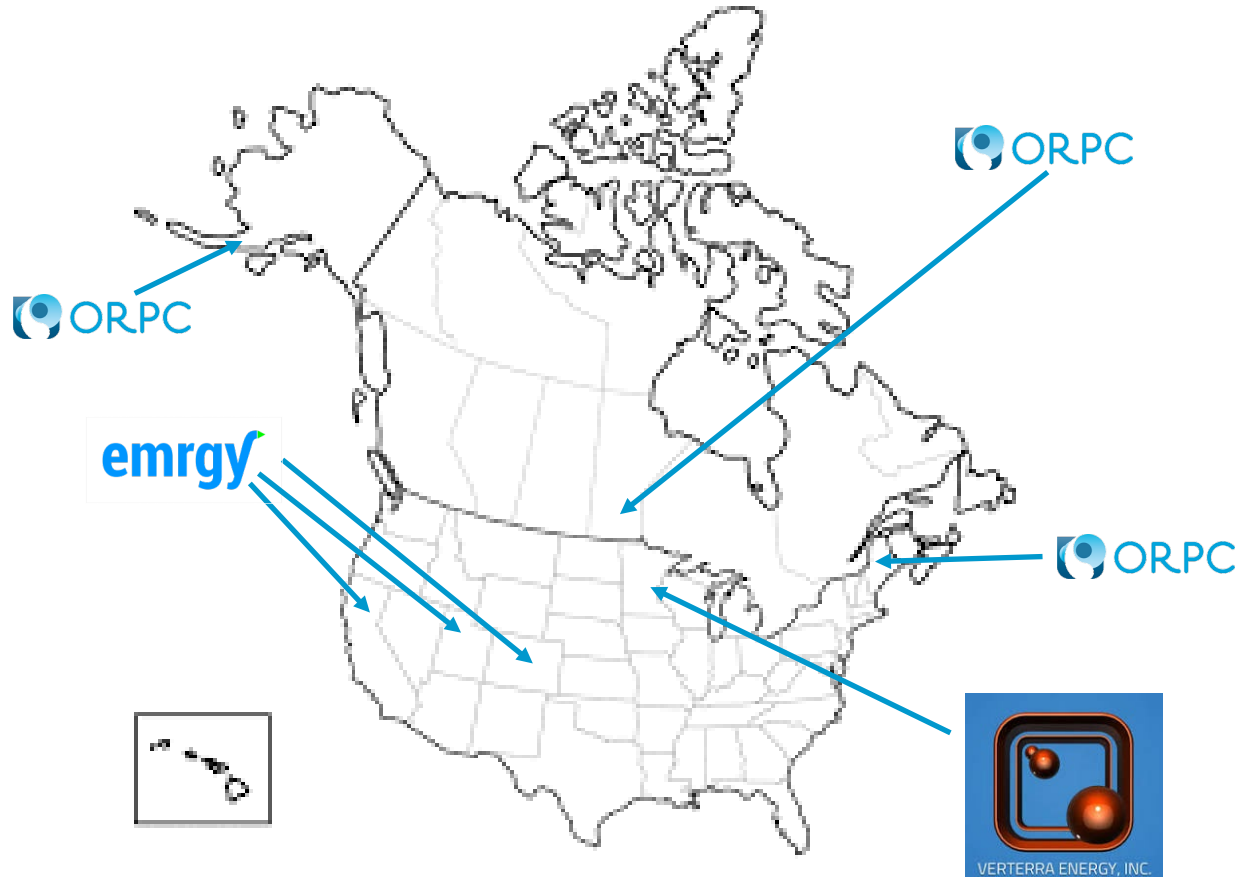
- 5. Installation
- 4. Funded development project
- 3. LOI/MOU/proposal or partnership
- 2. Active discussion
- 1. Inquiry

Outreach from over 50 countries



Global River Market Landscape

Recent North American river-based activity



North American Competitors Not Deployed



Recent global river-based activity



Guyana



France



Chile



DRC

Thank You

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