



# Powering the grid transition



# Our Vision

Accelerating  
the transition to the  
clean electric grid  
by providing local,  
scalable, fuel-flexible  
power



# About Mainspring

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## Delivering a new category of power generation

Stanford University origins, now commercially scaling

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## Proven solutions

Local, dispatchable, clean, firm power at utility scale with industry-leading reliability

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## Blue-chip customers

Fortune 500 companies and leading utilities

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## Experienced energy-focused team

Leaders from SunPower, Tesla, Honeywell, Invenergy, and Alliant Energy

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## Strong financial backing

Investors include Khosla Ventures, Bill Gates, AEP, Lightrock, and NextEra



# Solving top challenges to get to the net-zero grid

## Capacity



Rapidly add capacity to enable electrification and grid expansion

## Resilience



Deploy locally to defend against grid outages and extreme events

## Long-Duration Firming



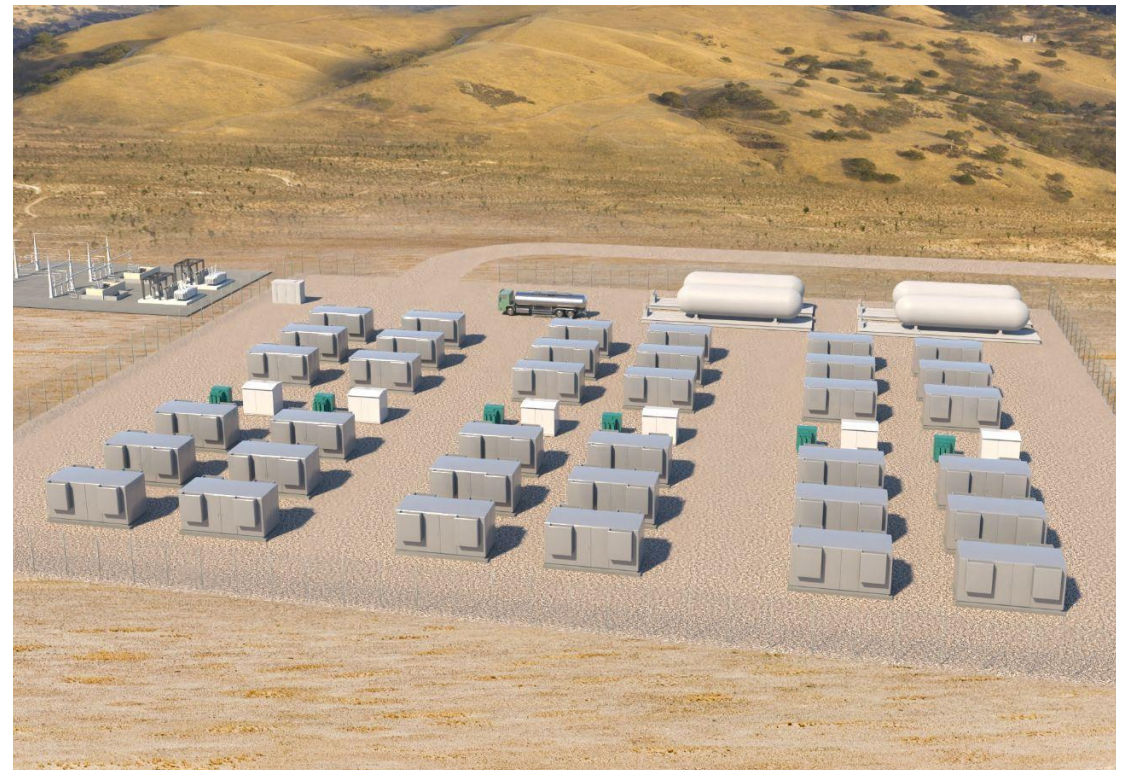
Ensure power supply across days, weeks, and seasons

# Local, scalable, fuel-flexible power

## Commercial Behind-the-Meter



## Zero-Carbon Grid-Scale Capacity



*Rendering of 9 MW ammonia storage project*

# Ultimate flexibility in power generation



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## Any Fuel

Software control of every reaction means seamless change from hydrogen, ammonia, RNG, natural gas, and others

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## Any Scale

Scalable from behind-the-meter applications to grid-connected utility projects

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## Any Time

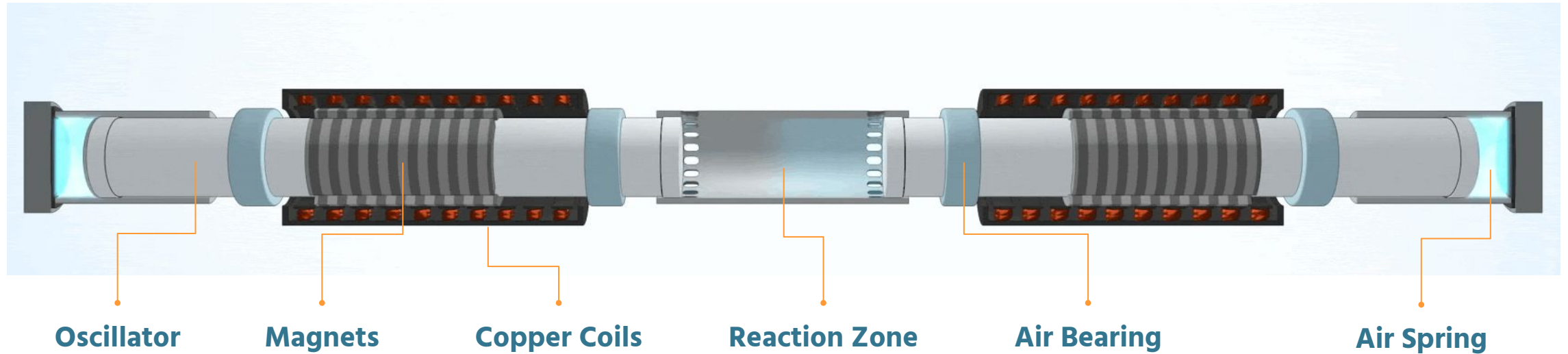
Firms the grid with fast-ramping, dispatchable power to compensate for increasing levels of weather dependent resources

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## Anywhere

Mobile and modular. Easy to permit, install, and interconnect.

# Software drives core flexibility and performance



**Dispatchable**

**Fuel Flexible**

**Ultra-Low Emissions**

**High Efficiency**

**Low Maintenance**

**High Reliability**

Video: [mainspringenergy.com/technology/](https://mainspringenergy.com/technology/)

# Delivering power for trusted top-tier partners

## \$150M NextEra Financing Agreement

“Mainspring is able to integrate clean onsite generation with both renewables and the grid and we're pleased to support bringing this innovative product to market.”

**John Ketchum**  
*NextEra Energy President and CEO*



## In-Field Power Generation Experience

20+  
Years  
Core  
Run Time

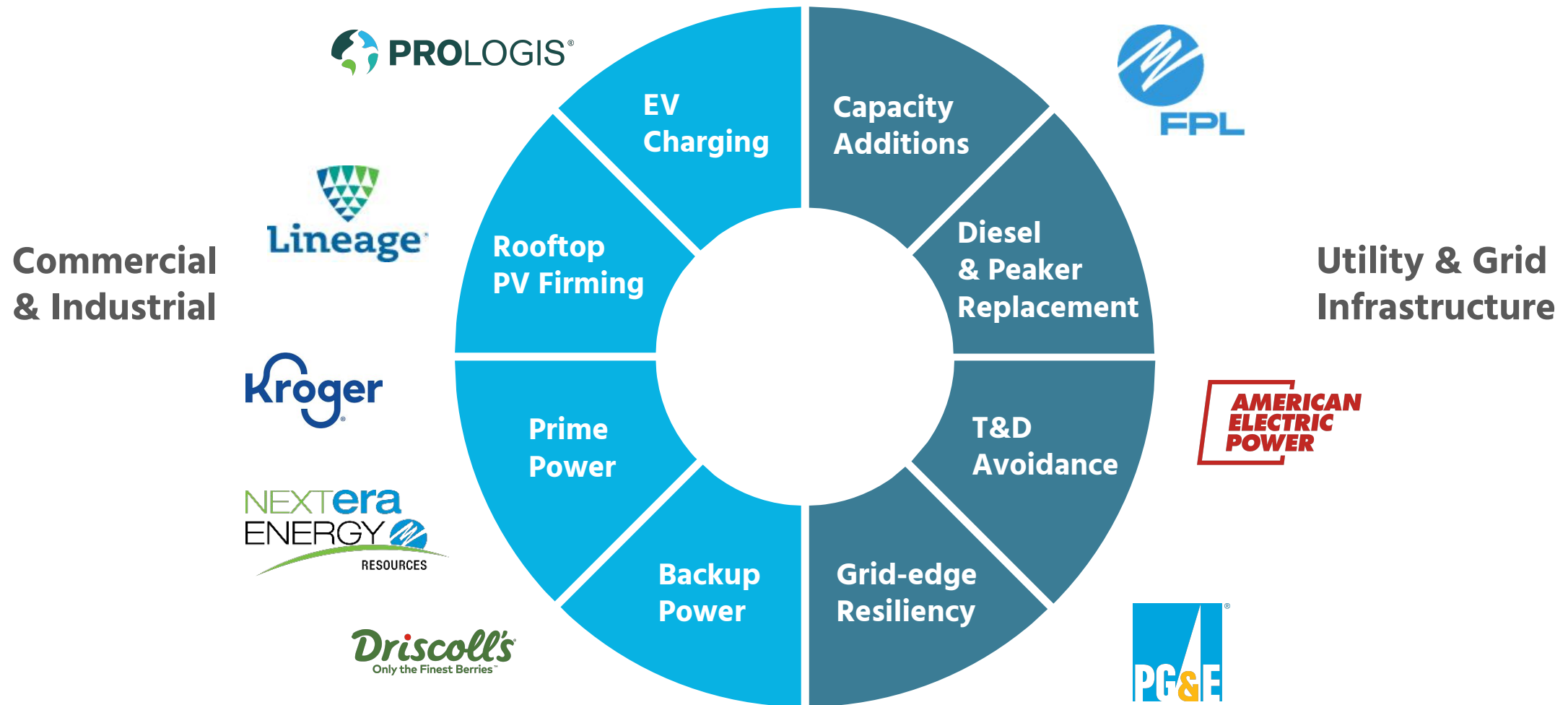
3+  
Years  
Customer  
Operation

Availability  
Beats  
Industry  
Averages<sup>1</sup>





# Clean firm power for a broad range of needs



# Lineage pairs Mainspring with rooftop solar



- Installation of 3.3 MW solar array and two Mainspring Linear Generators for firming
- Reached deal to deploy up to 150 Mainspring units across 50 US facilities (2022-24)

“Mainspring’s technology will help support our move to net zero carbon energy, improve energy independence, and buffer our growing use of solar power, while offering the potential future use of zero carbon fuels like green hydrogen and others.”

*Chris Thurston, Director of Energy & Sustainability, Lineage Logistics*



*The Lineage Logistics cold storage facility in Colton, CA*

# Clean, onsite EV fleet charging



- Speeds power build-out for EV expansion
- Builds local resilience
- Incentivizes investment in EV fleets
- Fuel-flexibility reduces risk
- Local installations reduce grid congestion

*Mainspring delivers Prologis cost savings over traditional generators AND a path to clean fuel alternatives while shrinking the time to power from more than 2 years to 8 months.*



*Rendering of 9 MW truck fleet EV charging microgrid*

# AEP avoids transmission constraints



- Perfectly sized, easily permitted projects
- Lower cost, longer duration than batteries
- Island-mode capable, clean-fuel ready
- Mobile and seasonal deployment options
- Accelerates electrification for EVs, buildings

“We are very interested in the scalability of Mainspring's flexible platform and its potential use in a variety of applications from customer-resiliency projects to grid-scale power plants.”

*Carlos Casablanca, Managing Director, Distribution Planning and Analysis for AEP*



# Yolo County, Calif. runs 100% landfill biogas



- Municipal solid waste landfills are the 3rd largest source of human-related methane emissions in the U.S.
- Fuel-agnostic linear generator can convert variable biogas to electricity onsite

“We are excited to partner with Mainspring and continue to demonstrate production of renewable electricity using a new and innovative technology that has the potential to increase efficiency of electricity production and reduce air emissions.”

*Ramin Yazdani, Director of Integrated Waste Management, Yolo County*



# Diesel replacement at data centers

- Offers clean reliable power to data centers constrained by diesel to meet carbon goals
- Avoids power delivery delays
- Offers fuel flexibility - no other tech can run on hydrogen and ammonia, saving space and cost
- Long duration resilience that can't be met with batteries





**Thank you**