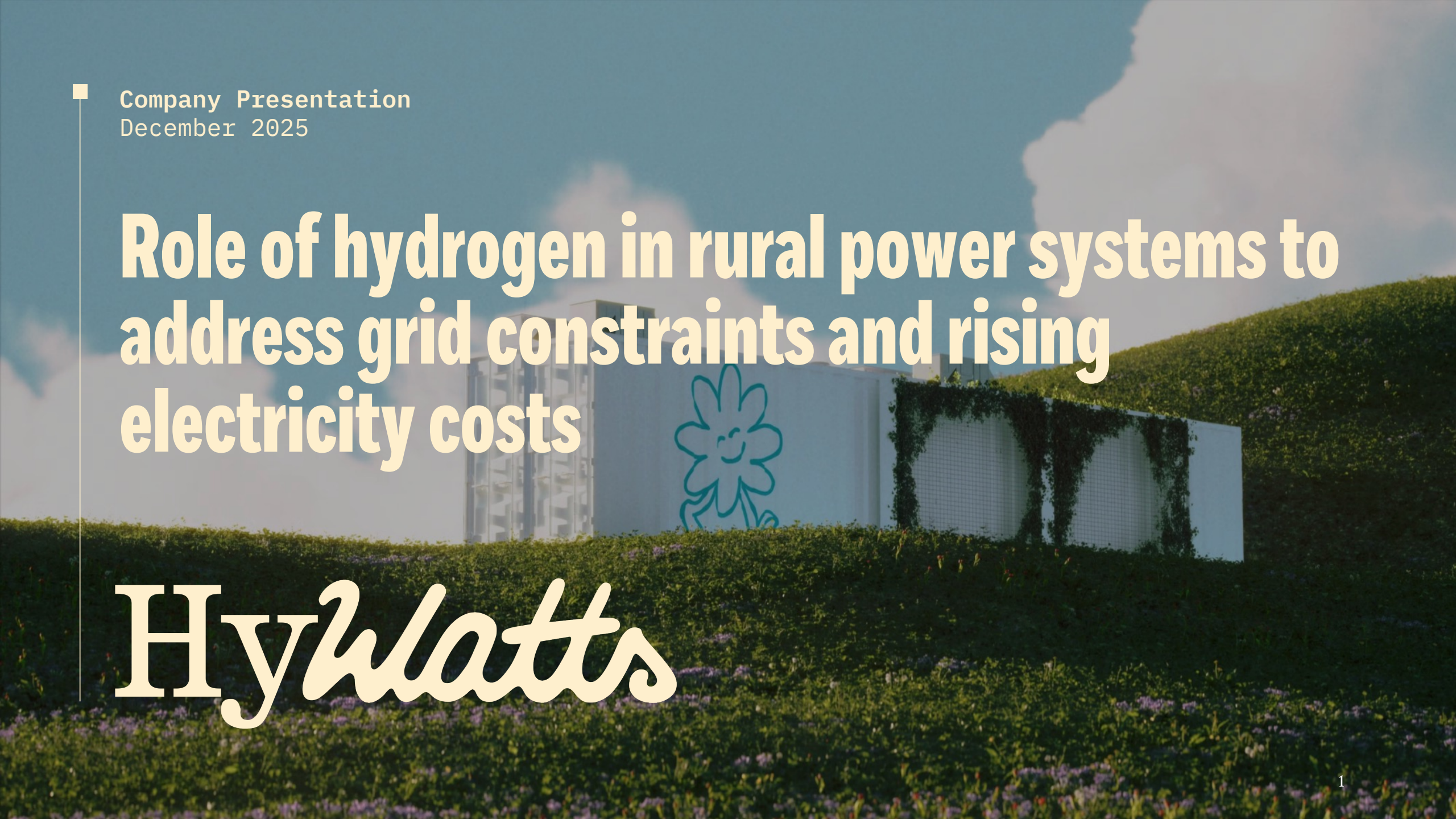
Company Presentation
December 2025

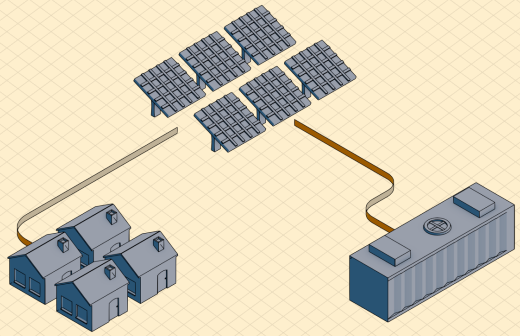
Role of hydrogen in rural power systems to address grid constraints and rising electricity costs



Hywatts

Hywatts

A low-cost, modular, hybrid energy solution for the electrification era.



Founders with a proven ability to scale advanced energy systems.

4 patents filed

2 upcoming system deployments

$5m deployment contract value

Backed by:

ground up

BUILDTECH VC

climate capital

BEYOND EARTH VENTURES

techstars_

Aloniq

↳ Problem

The current grid simply can’t keep up.. Access to power is becoming...

Unreliable & Costly

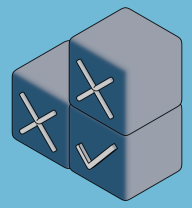
Electricity costs are increasingly high and unpredictable.

Slow

It takes years to upgrade or install new grid connections.

Limited

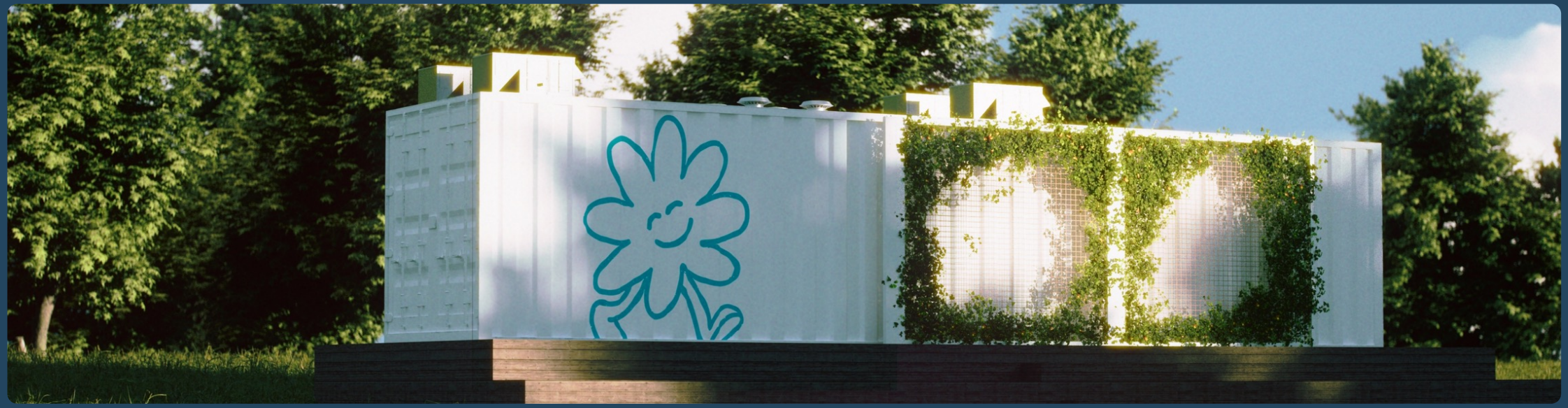
There are few cost-effective options for storing surplus energy.



↳ Solution

That’s why we created the Power-Plant-In-A-Box™

A modular and cost-effective hybrid energy platform powering the AI & electrification era.



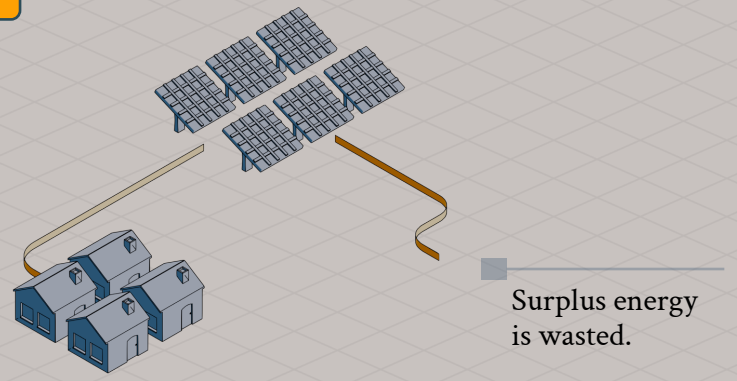
↳ Product

Don’t waste surplus energy – reuse it.

The Power-Plant-in-a-Box™ converts and stores surplus energy for reuse. Unlike battery storage systems, it delivers **reliable, cost-effective electricity for multiple days,** even when renewable sources aren’t generating enough.

Traditional systems

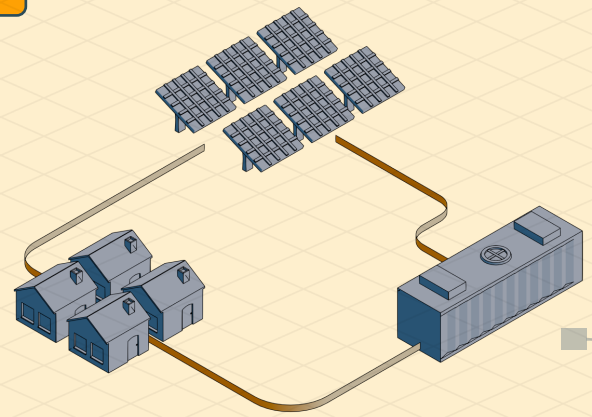
ENERGY WASTE



Surplus energy is wasted.

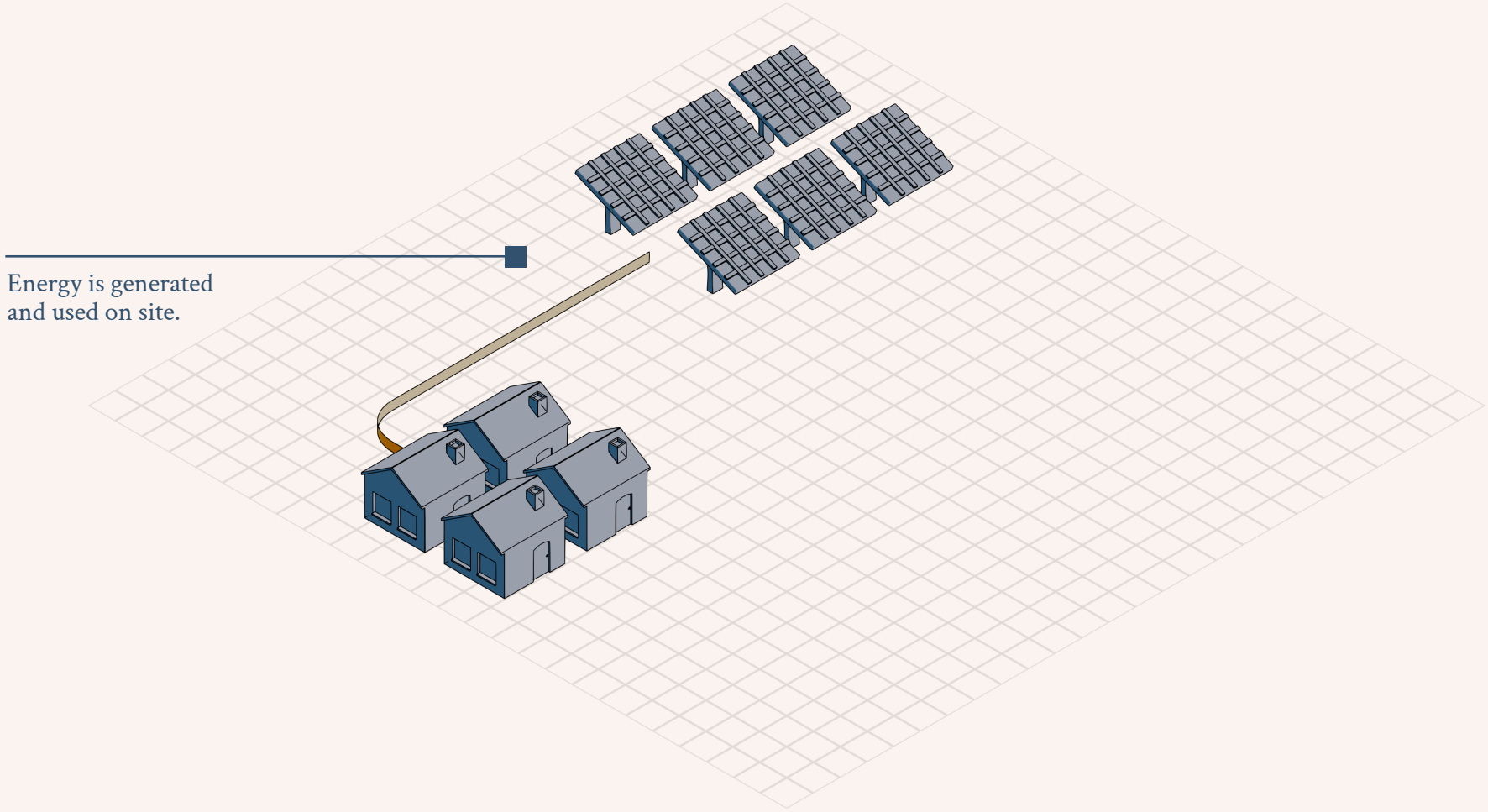
Power-Plant-in-a-Box™

ENERGY REUSE



Surplus energy is stored and used when needed.

How it works – an always-on, turnkey solution.



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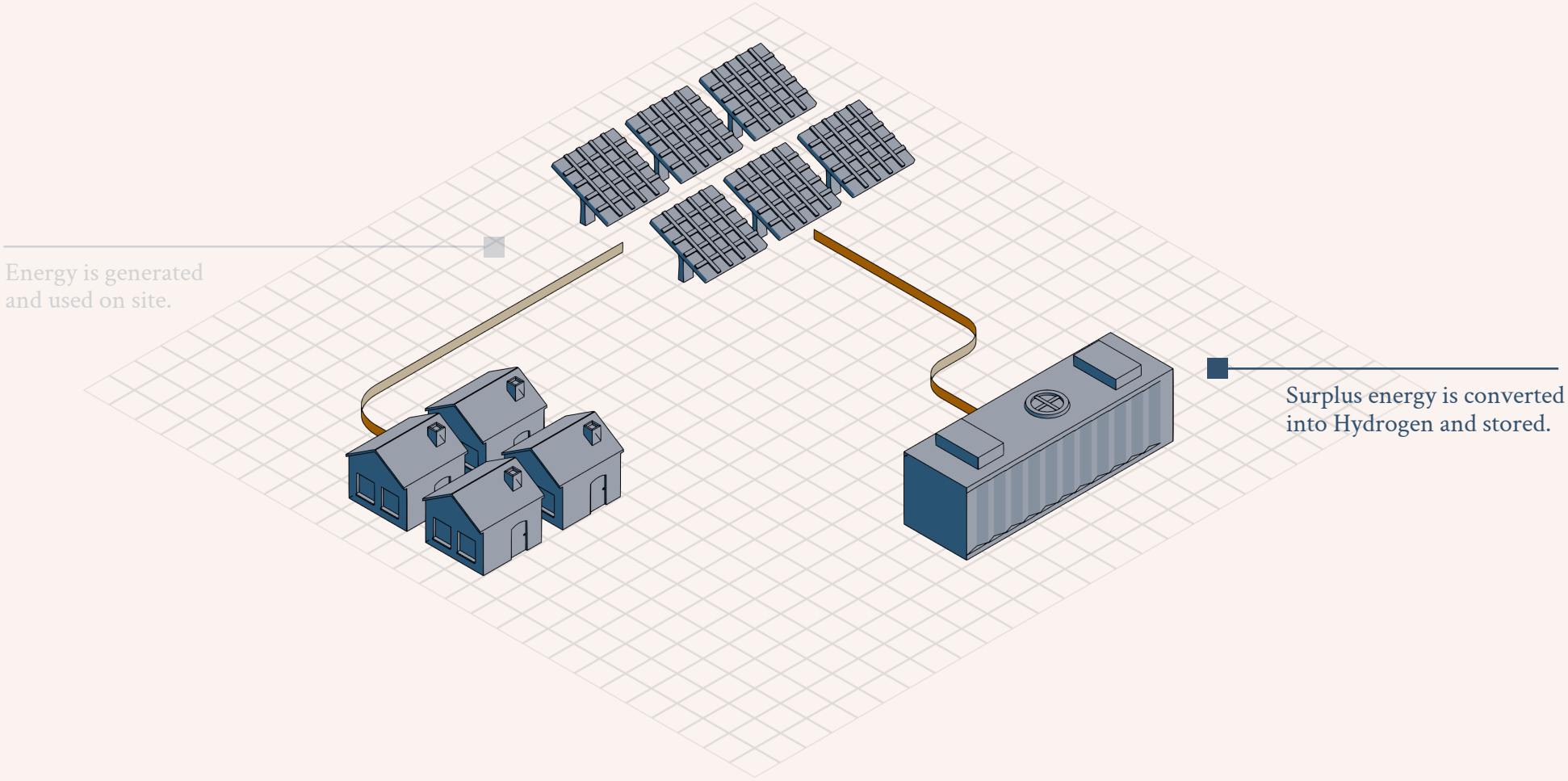

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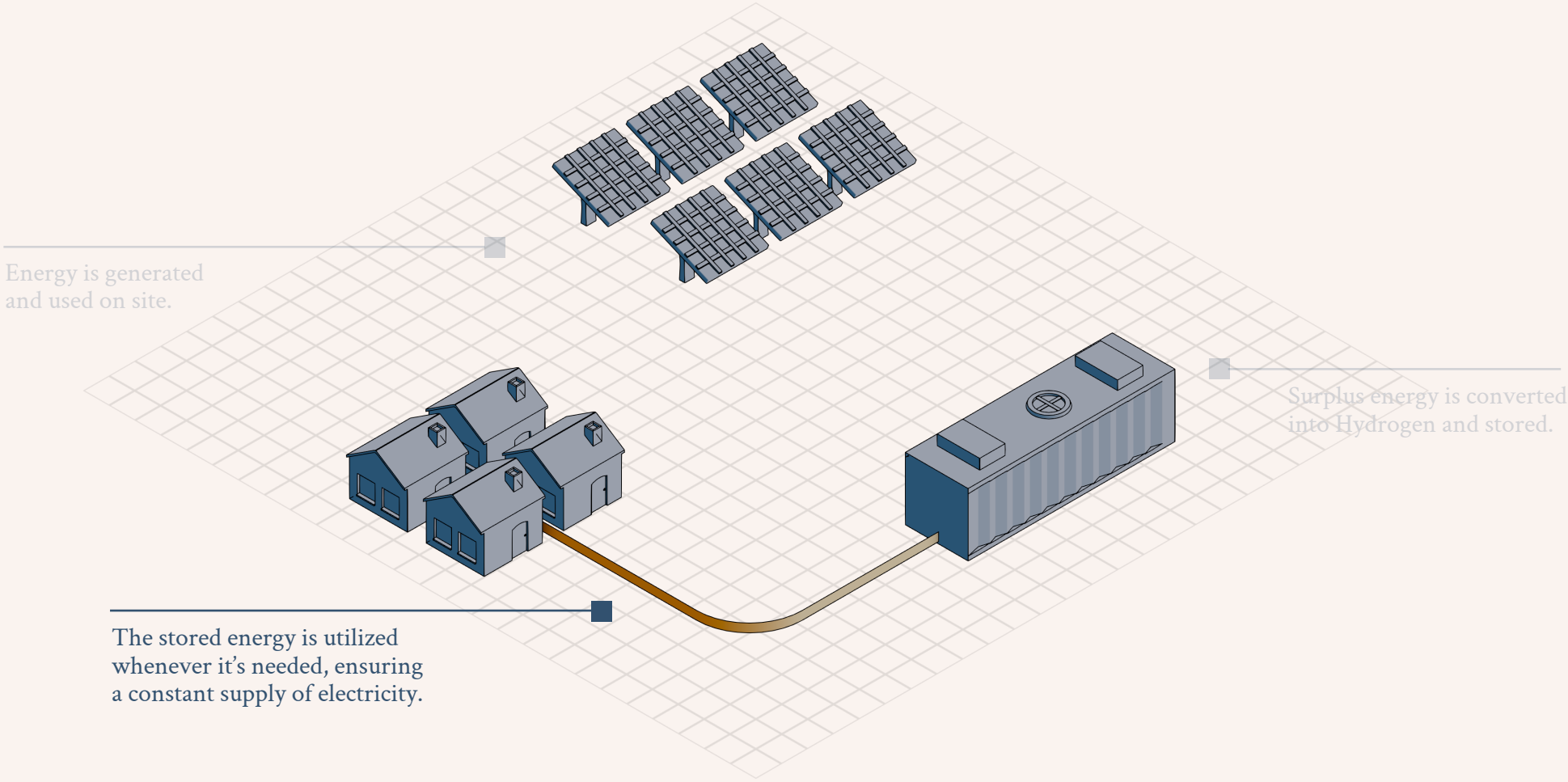


↳ Value Proposition

We unlock energy resilience & grid independence on sites where it would be otherwise non-viable.

Housing Developments

On or off-grid power supply flexibility for communities of all sizes – with a very small footprint

EV Charging Stations

Quickly power EV charging stations with or without an existing grid connection

AI Data Centers

Constant supply of reliable power for data centers and other mission-critical facilities

HyWatts can power a 200-home community for nearly half the cost of batteries...

Comparison for 200 Homes

30 kWh per home, plus community needs and EV charging

PRICE BREAKDOWN	HYWATTS SYSTEM	LITHIUM BATTERIES
Solar Panels, 2.3MWp	$2.35M	$2.35M
Hydrogen Energy Conversion System	$1.46M	-
Lithium Buffer Battery	$1.43M	$8.42M
Auxiliary Components	$0.26M	$0.54M
Total Price	**$5.5M**	**$11.3M**
Price/kWh	**12¢**	**31¢**

↳ Case Studies

EV Charging Hub

1.44 = 30+

mwh per day — cars per day

$4.2M

entire contract

26¢

per kwh vs. 55¢ without HyWatts

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

↳ Case Studies

172-household Community

30 = 100%

kwh per home per day

of the avg. home's daily energy demands

$1.7M

Phase 1 contract

25¢

per kwh vs. 47¢ without HyWatts

Boyd & Associates

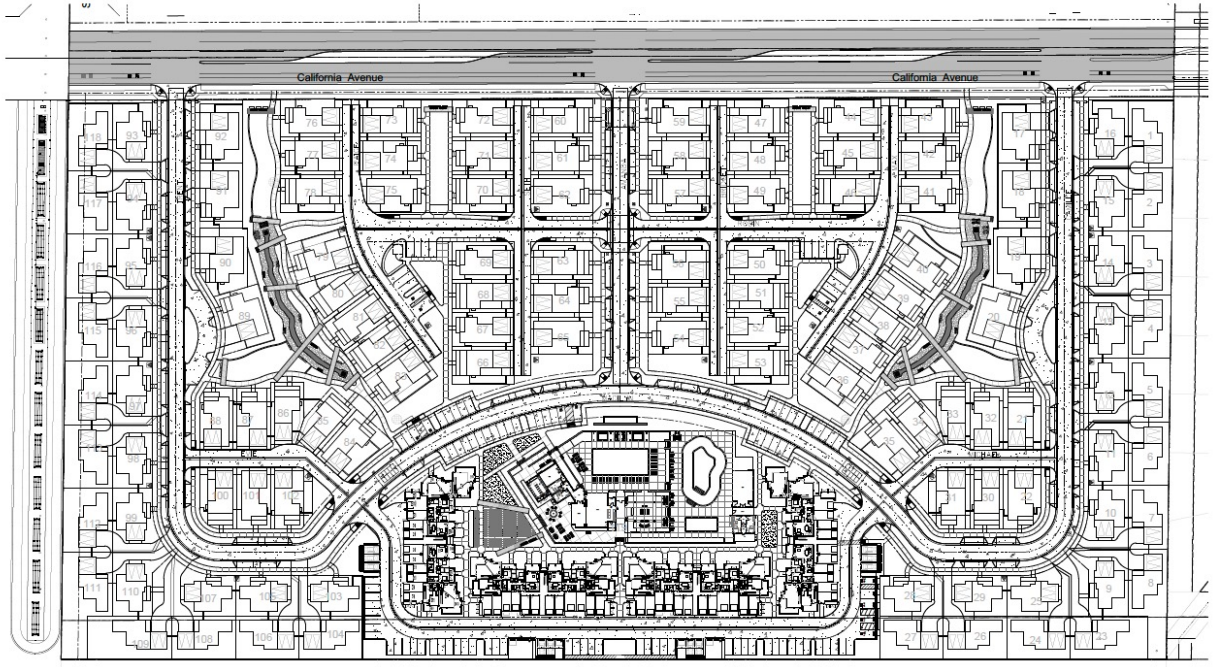
Kerman Project – 172 Household Community

Option A1: Entire Community Partially Grid Connected

Component of Power-Plant-in-a-Box™	Description
Hydrogen Gaseous Storage	40.7 MWh (2718 kg) 10 x 40 ft tube skids
Hydrogen Energy Conversion Unit	Power Rate 300 kW H2 Production Rate 1.36 kg/hr 1 x 40 ft container
Lithium-ion Buffer Battery	5 MWh / 2.5 MW 1 x 20 ft container
Footprint	**0.43 acres***

*** incl. access road for fire trucks**

To the community: 2.5MW, 4.2MWh a day
25-year Power Service Agreement
Phased Deployment of the Power Plant



OUR VISION

Become the next-gen utility, delivering cost-effective, reliable power anywhere the grid falls short

Alex Ivanenko
Founder & CEO
ai@hywatts.com

Thank you.

Hywatts