

The Energy Venture Investment *Summit*



THURSDAY, FEBRUARY 17
11:50 AM (MT)

UPLIFT SOLAR



HAYNES BOONE





Beyond the Limits of
Yesterday's Power Electronics



Energy Venture Investment Summit

Feb. 16-17, 2022 • Boulder, Colorado

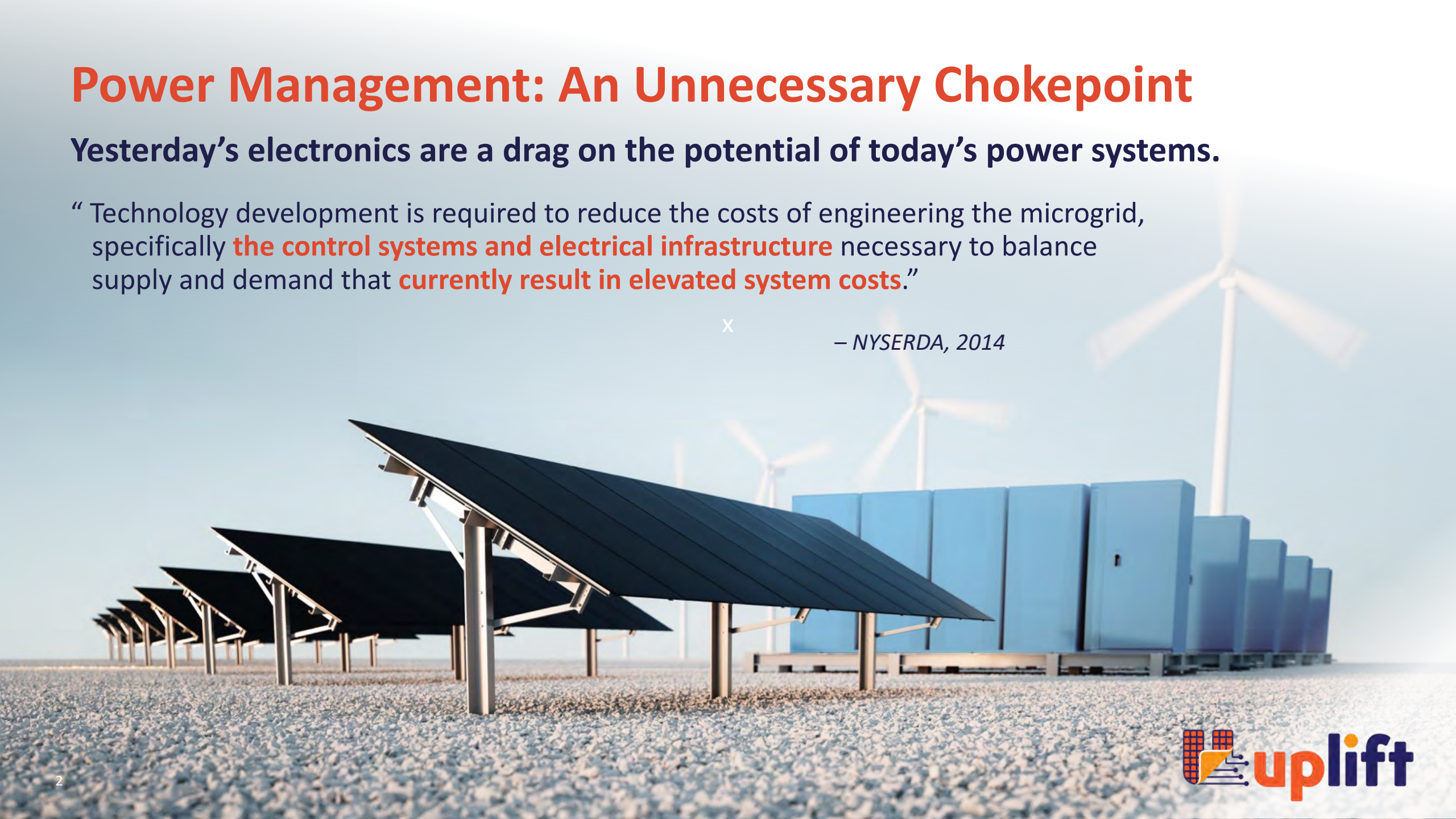
Power Management: An Unnecessary Chokepoint

Yesterday's electronics are a drag on the potential of today's power systems.

“Technology development is required to reduce the costs of engineering the microgrid, specifically **the control systems and electrical infrastructure** necessary to balance supply and demand that **currently result in elevated system costs.**”

X

– NYSERDA, 2014



Solution? Uplift Inside

Distributed power electronics, engineered once, custom-defined for the upstream generation.

- *One power management method configurable for a broad range of solar, batteries, and micro-wind applications*
- *Mesh-networked power conditioning = more power*
- *Integrated intelligence and communications = simpler, easier to install*
- *Software-defined for updating and system changes*
- *Compact, lightweight, heat-tolerant, high reliability*

PATENT #
US20210083581A1

Methods and
Systems for Power
Management



Uplift Inside Energy Storage: Ashlawn Vanadium Redox Flow Batteries

Integrated. Lightweight. Durable.

**Uplift's electronics convert
Ashlawn's complex power
management into a simple,
scalable solution.**

*Uplift eliminates the large
and hard-to-install
electronics cabinet*

- *Power conversion for multiple battery stacks*
- *Charge management for battery back-up*
- *Motor control for pumps*
- *Reading/reacting to > dozen sensors*
- *Communications for data and alarms*
- *Remote command for energy delivery schedule*
- *Software updates over the air*
- *Scalable for manufacturing*
- *Easier, modular installation of battery system*
- *>50% cost reduction in BMS*



Uplift Inside Solar Panels: Merlin's Solar Battery Trickle Charger

With Uplift inside, a battery charging “kit” becomes a single panel with an app.

- *External charge controller embedded in solar panel*
- *A single panel now charges multiple battery types, simplifying manufacturing and inventory for product line*
- *Easily configured by customer with mobile app*
- *More power from panel, including uneven light/shade*
- *Power electronics “drop in” to panel manufacturing with minimal process change*
- *Better customer experience*



Our Market Potential – Enabling These and Other Innovations that Deliver Power Anywhere

“Uplift will give us an inside track to an additional \$3-5 billion of serviceable available market.” -



\$1B

PORTABLE & MILITARY



\$1.5B

BUILDING INTEGRATED PV (BIPV)



\$1.6B

EV CHARGING CANOPIES

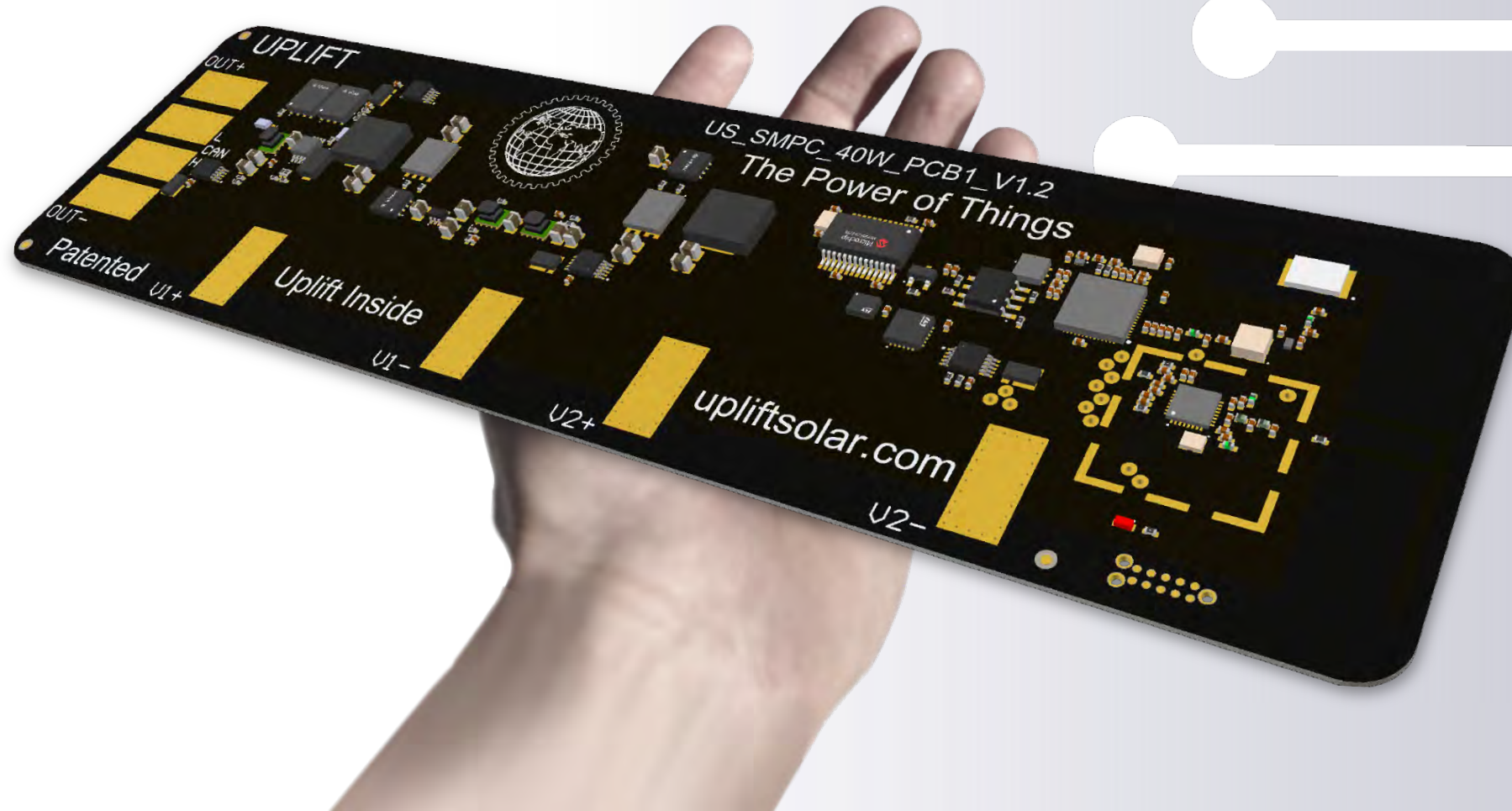


\$3B

TRANSPORTATION

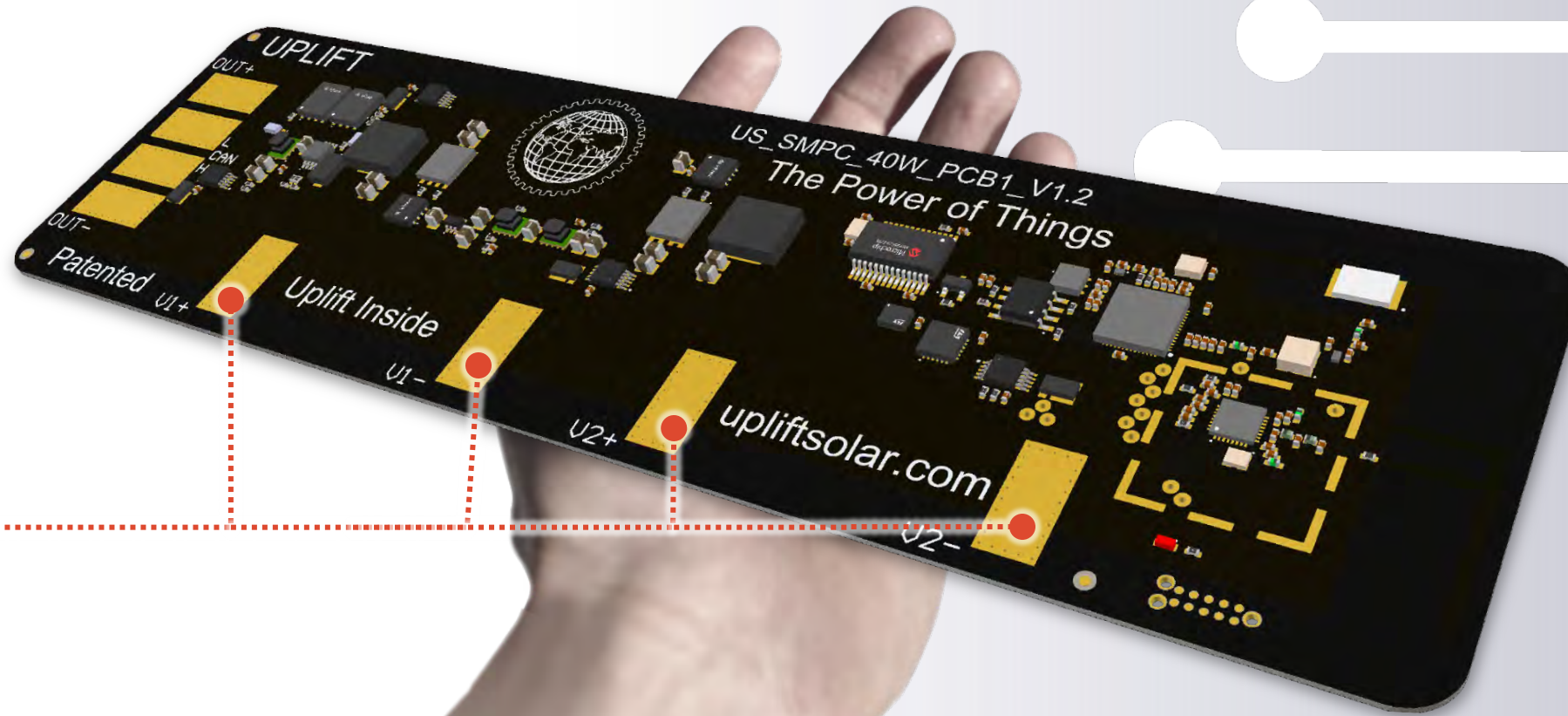


Our Unique Technology at Work



Our Unique Technology at Work

High-frequency, multiphase conversion distributes heat and lowers our component costs



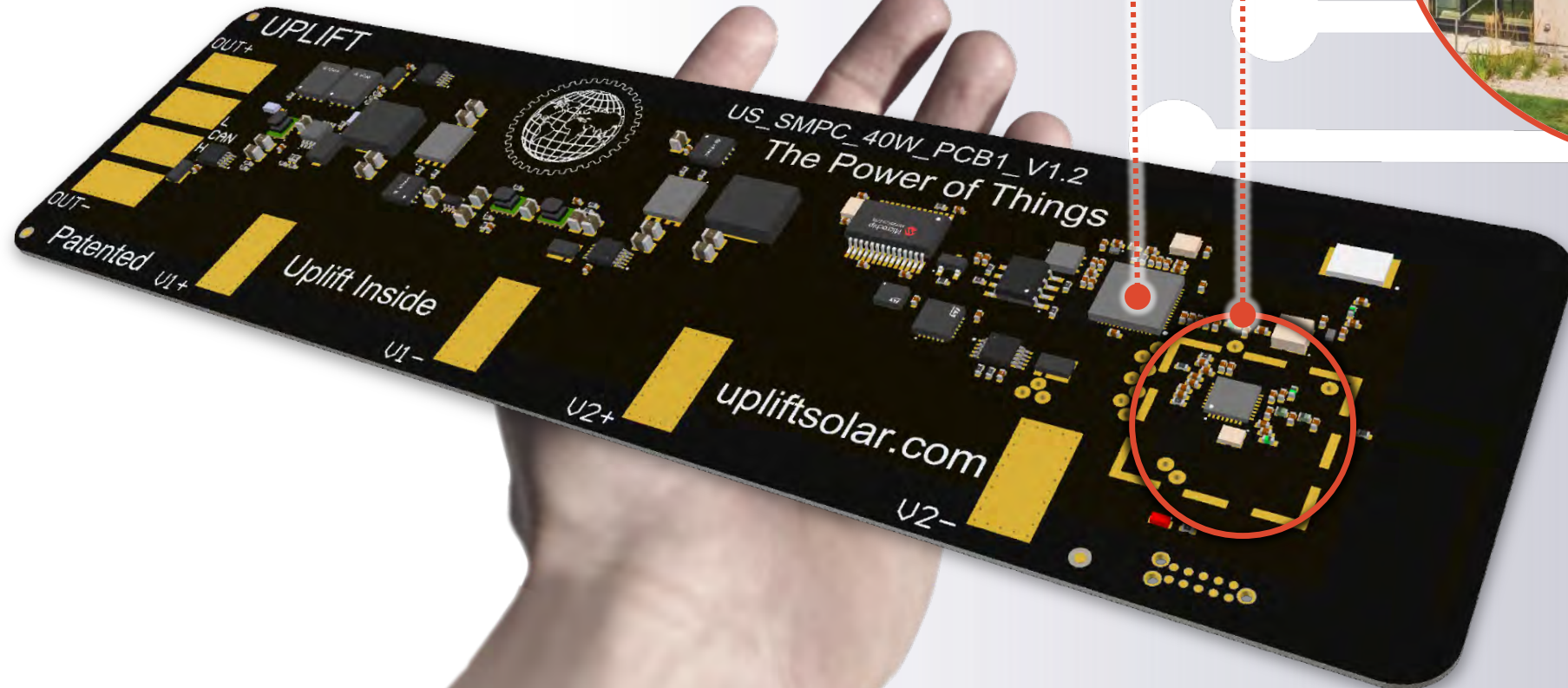
Our Unique Technology at Work

Thinnest-in-class + high-heat tolerant components beat the toughest integration and reliability challenges



Our Unique Technology at Work

Microprocessor + Bluetooth + GPS is a brain trust that provides customizable, updateable intelligence



Competitive Advantages:

We do everything THEY do, MINUS the complexity.



TigoTM
energy

ENPHASE

solaredge

DC Optimization
Communication



DC Optimization

Communication

Interoperability

Compatible with any innovation

Enhance user experience, sell more units

Scalable for large-volume manufacturing

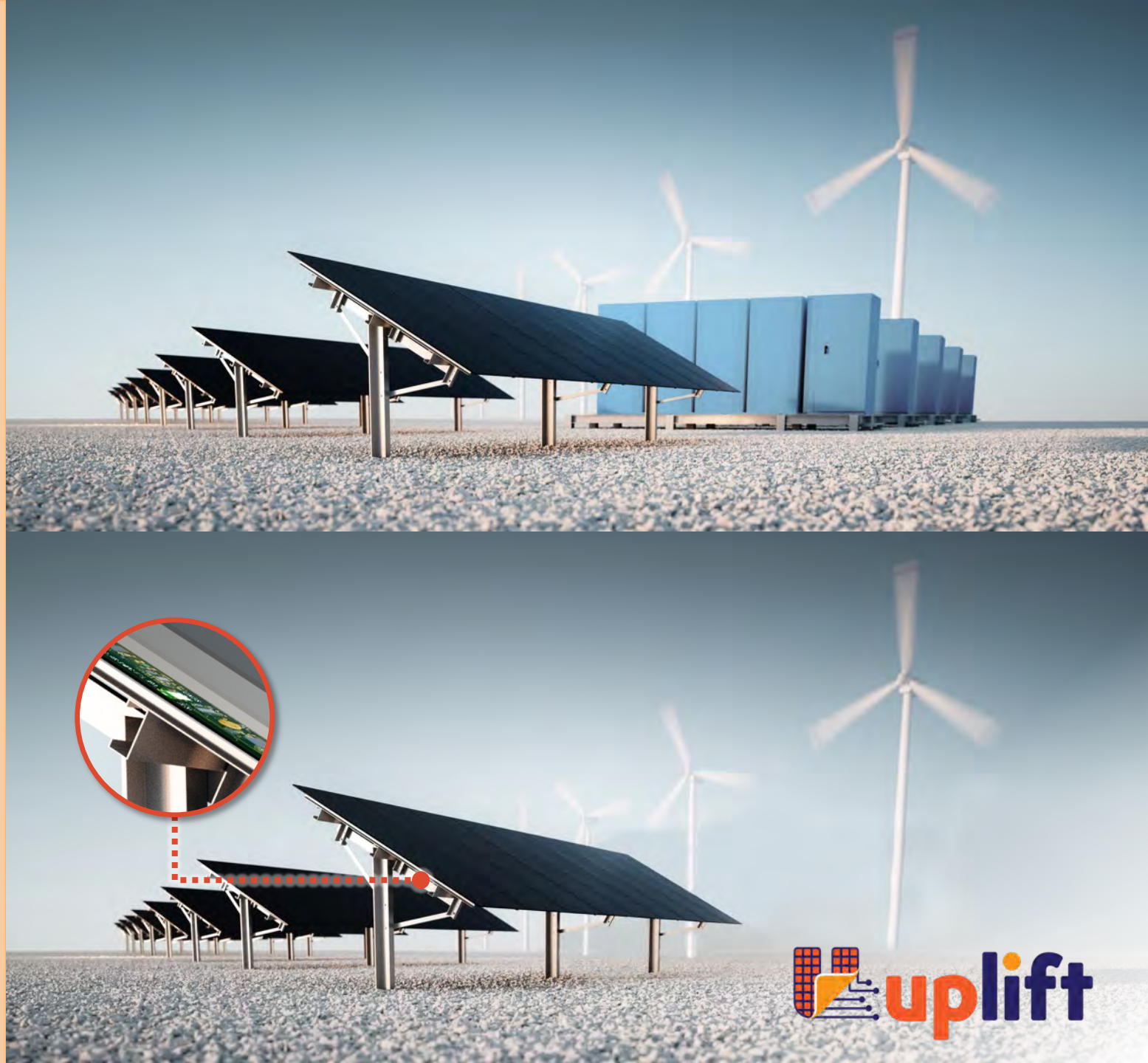
Adaptable to next gen products or product lines

Manufacturer captures more value from power ecosystem

Valuable data streams

Uplift Inside

Lifting the clean
energy
transition
beyond the
limits of
yesterday's
power
electronics.



The Uplift Solar Executive Team



Darius Roberts, CEO

- 15 years in software programming of complex business logic
- Senior/supervising programmer at Boeing and for FCC Broadband auctions



Eric Becnel, CTO

- MS, Aerospace Engineering and Advanced Heat Transfer
- Principal in two firms responding to aerospace engineering and manufacturing challenges (1 exit)



Lauren Rosenblatt, COO and General Counsel

- 15 years in electricity, incl. markets, regulation, policy, generation, transmission, delivery, utility service, energy service, and new technologies (FERC and Berkshire Hathaway Energy)
- 20+ years in regulated markets (finance and electric)

Board of Advisors

Chris Cook
Co-founder, SunEdison



Luis Morales
Former Executive, Enphase
(Strategic Accounts)



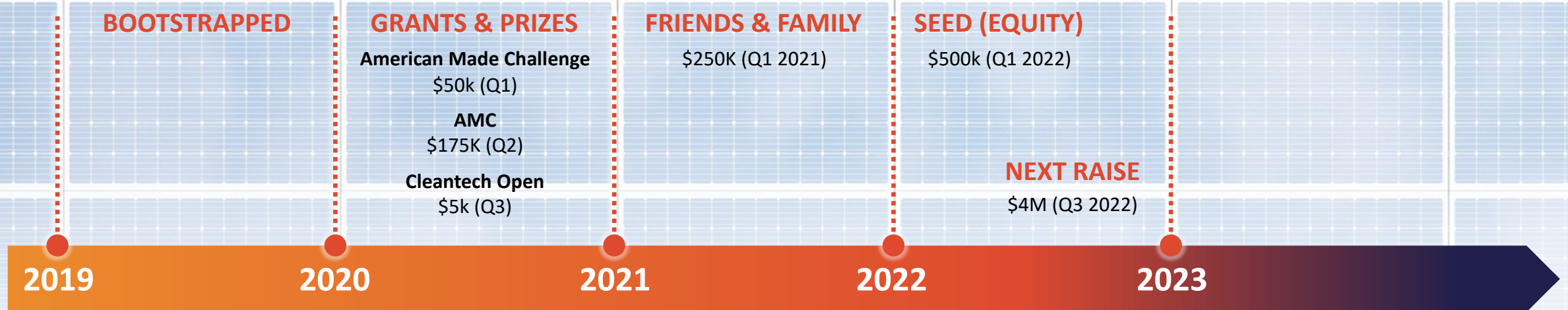
Mike Norton
Former VP, PosiGen



Sass Peress
Former CEO, iSun



Market Strategy | Milestones



PRODUCT DEVELOPMENT

- Prototype Development
- Patents
- Incubators
- Pilot Installed
- International Patents
- Customer Traction



MARKET INTRO

- Expand Team
- Establish Partnerships
- Marketing/Customer Acquisition
- Revenue

GROWTH

- Solar Roofing
- Other Residential
- Batteries (various)
- Global Reach

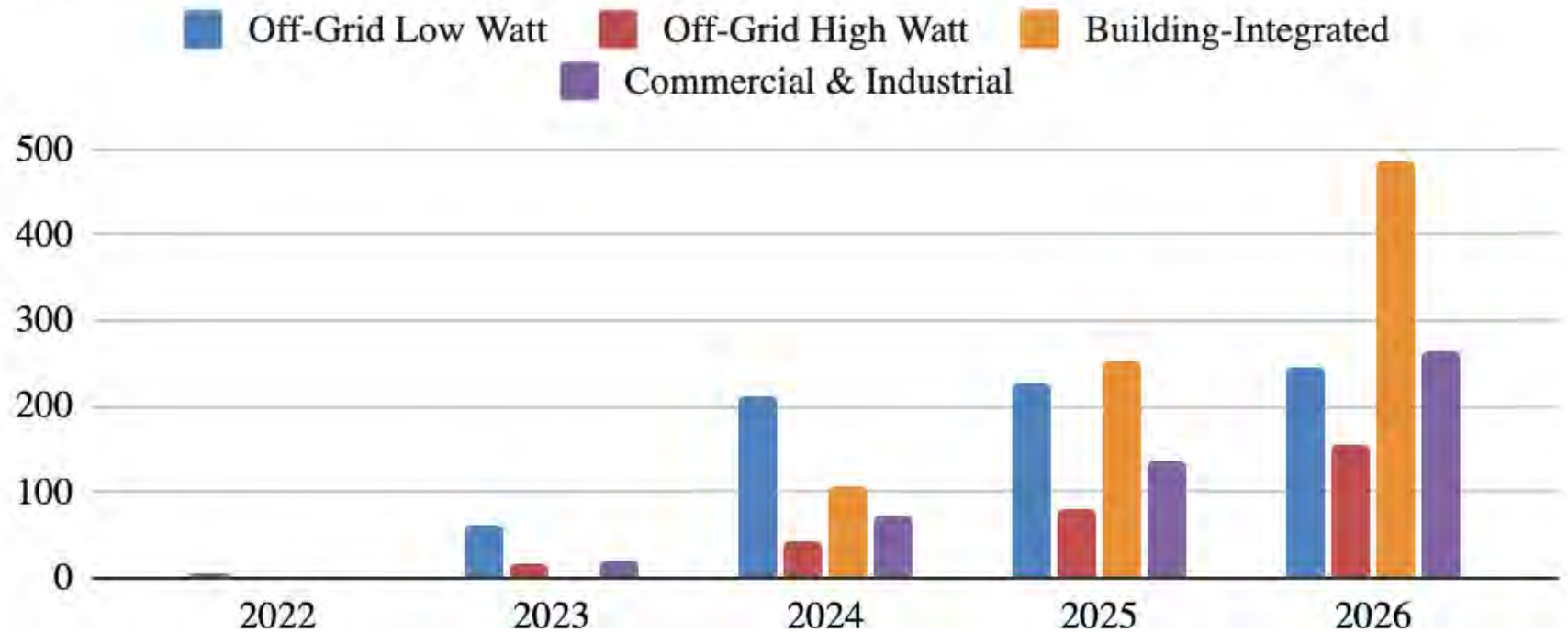


Growth Projections

4 Solar Products

Growth Projections (for 4 Solar Products)

Thousands of Units Shipped



Accelerate the Energy Transition with Uplift

Seeking a lead investor for next raise in mid-2022 (\$4M).

Rapid prototyping for growing customer base, with contract manufacturing = lean, capital light operation serving multiple verticals.

Investors earn a return from B2B sales of units or IP license at high margins and/or high volumes.

Uplift is synergistic with a clean tech portfolio that includes innovations in generation and energy storage.

Thank You

If you would like schedule a follow-up meeting, please contact either one of us:

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Lauren Rosenblatt, COO

lauren@upliftsolar.com

