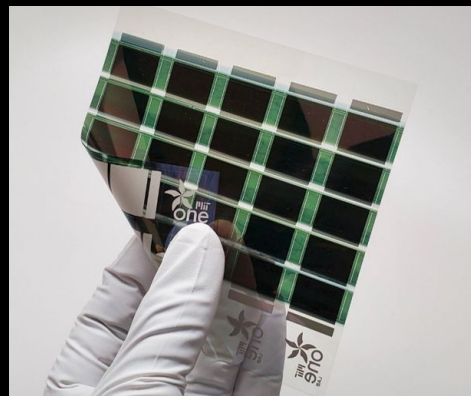


ACTIVE SURFACES

ULTRALIGHT FLEXIBLE THIN-FILM SOLAR FOR THE BUILT ENVIRONMENT

Target segment: Low-load commercial warehousing and community solar



Our thin-film flexible technology will unlock terawatts of dual land use solar deployment

Compared to conventional solar panels

- 120x lighter
- Significantly lower BOS and labor costs
- Competitive LCOE at scale
- Flexible form factor allowing new applications
- Mechanically flexible for rollable deployment

Compared to other thin-film and perovskites

- 20%+ efficiency
- Significantly lower module cost
- Glass-free, flexible packaging
- *Single junction* vs Tandem
- *Solution processing* vs Vacuum
- *Built Environment* vs Utility Scale



Co-founded by **Dr. Richard Swartwout** (MIT PhD) & **Shiv Bhakta** (MIT MBA/MS) in 2022 at MIT

Significant momentum to date

- Raised \$5.6M from top VCs, CVCs, and family offices
- Founders featured on Forbes 30 under 30 and TedX
- 1 JDA, 2 pilot partnerships, and 2+ LOIs under discussion
- Pilot scale in-house R&D manufacturing capabilities

Innovation are IP protected (6 patents)

- **Manufacturing:** High speed roll-to-roll slot die allowing manufacturing cost reduction at scale
- **Packaging:** In-house substrates enabling thinner durable packaging and limited delamination
- **Materials:** Perovskite chemical, solvent and passivation with high efficiency (MIT record: 25.2%)

WE NEED YOUR HELP TO DERISK, PILOT, AND SCALE!

TECHNOLOGY GOAL: Demonstrate an efficient (>18%), low upfront cost (<\$0.5/W), economic (\$0.2/kWh) lightweight (200W/kg), mechanically flexible perovskite module

