



Snow-Free Solar

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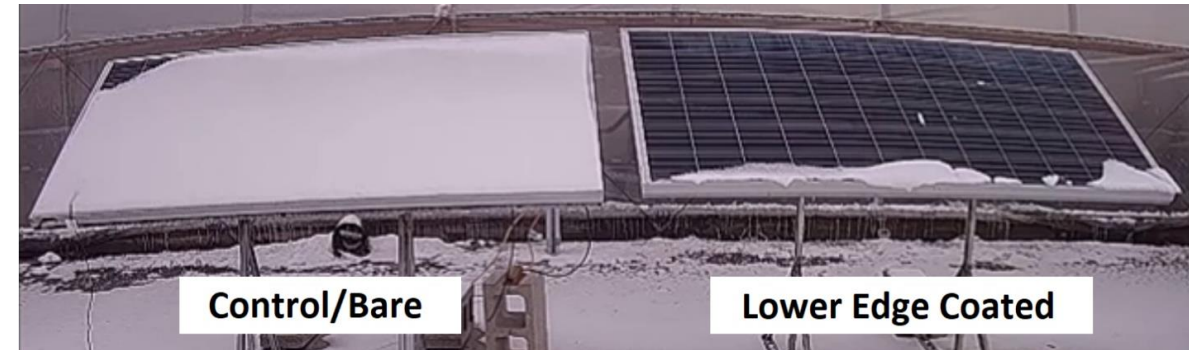
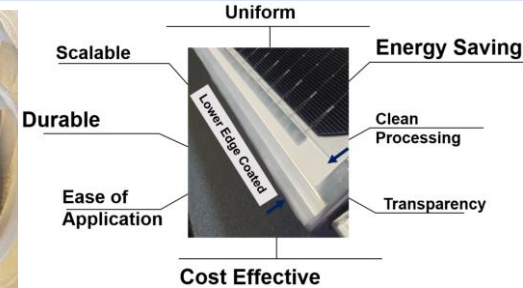
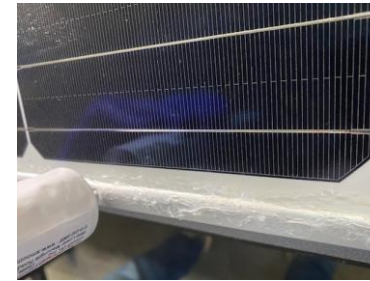
Facilitating Snow Removal from Solar Panels

Problem

Solution

- ❑ Coverage of solar panels with snow causes ~ \$ 180 M losses per year in the US (An estimate for residential and utility-scale solar).
- ❑ Solar plant operators either **DO NOTHING** or use methods that are **costly, unscalable, and inefficient** resulting in **mechanical damages** to the PV modules.

- ❑ Our team developed a durable **strip coating** that is applied **ONLY** to the **lower edge of the panel**.



Snow-Free Solar Team



- ❑ Our team is composed of knowledgeable and skillful **researchers** and **entrepreneurs** with prior success in transforming research projects to viable products.
- ❑ Our team conducted > **100 interviews** with representatives from solar industry. We learned that **ONLY** one company that has ~ **10 % market share** in the U.S. lost > **\$ 4 M per year** in winter due to snow accumulation on their solar panels.

- ❑ The strip coatings applied to the lower edge of the panels resulted in **weeks of in-advance snow removal**.
- ❑ Our solution is a game changing technology that can **save** the utility-scale solar sector > **\$40 M annually** in the US (utility-scale is ~ 30 % of the total market in snowy regions).