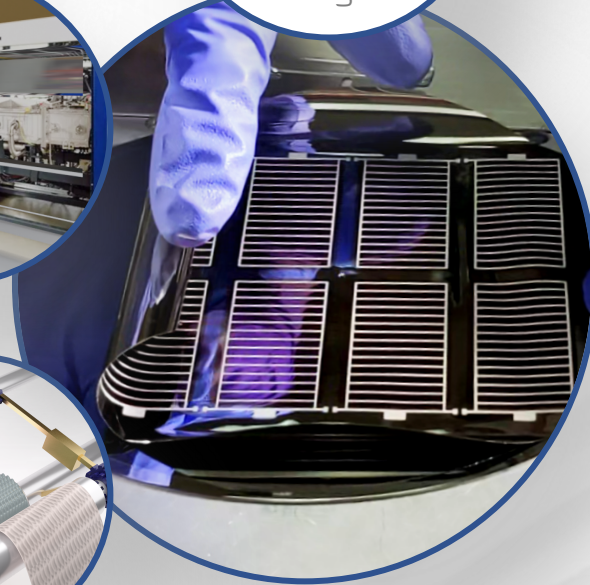
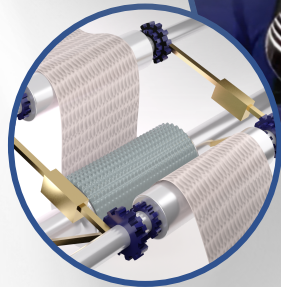


Commercially Scalable, High Efficiency, Flexible Crystalline Silicon PV

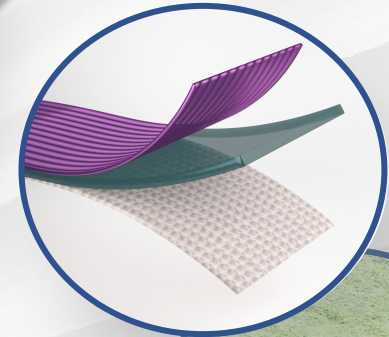
Technology Summary

Pacific Integrated Energy, Inc. (PI Energy) will develop ultra-thin, flexible crystalline PV that leverages high volume equipment used in the TFT market. The technology enables low-cost installation of flexible solar PV for the Vehicle Integrated PV market (VIPV).



Technology Impact

This project paves the way for low-cost manufacturing of thin-film, non-toxic, c-Si solar cells to wrap around buildings and vehicles. The technology will offset needs for grid charging of EVs and expand access to renewable energy.



Proposed Project Goals

- Demonstrate process in a working prototype
- Demonstrate the integration of light absorber in the prototype
- Demonstrate a completed integrated device

Takeaway Flexible, non-toxic, scalable solar PV will allow new markets for VIPV.