

The NETL-Regional University Alliance Grid Technologies Collaborative (GTC)

An integrated industry/university/government research & development group that advances the state of the art in transmission and distribution system power electronics technologies

Mission

Become a world leader in the development, demonstration, and application of Grid-Scale Power Electronics Devices and Systems

Vision

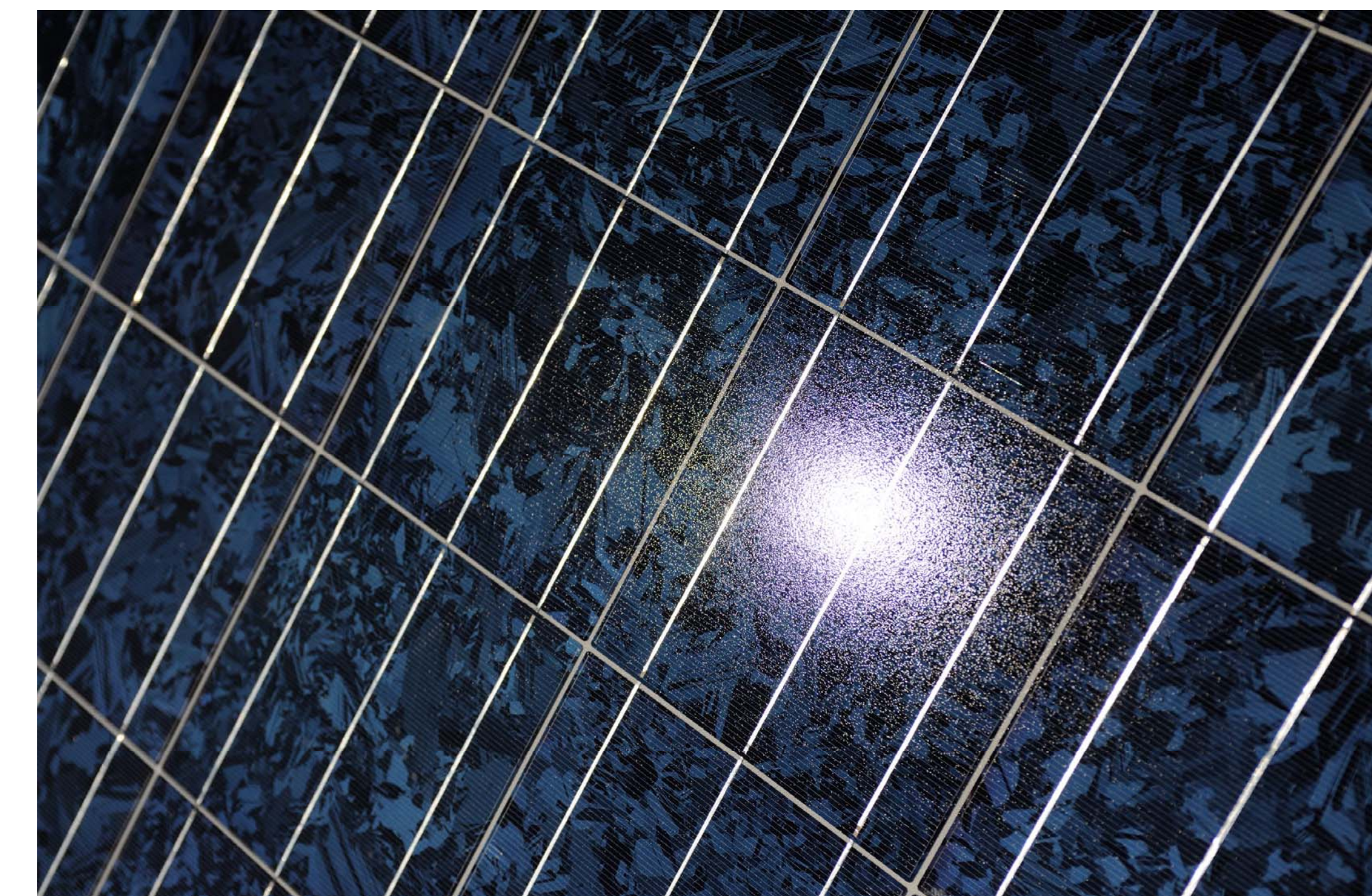
An advanced electricity transmission and distribution network that:

- Is efficient, reliable, and resilient to disruptions and other contingency events on the power grid
- Integrates clean energy generation resources, energy storage capacity, and alternate operational concepts
- Delivers the most suitable forms of electricity in the most economic manner to the end-user



2012-2013 R&D Project

The Next Generation Power Converter:
Applications for Enhanced T&D Grid
Performance and Resource Integration



NETL-RUA Members

- Five top energy research universities
- DOE national testing laboratory
- Worldwide engineering, design & construction firm
- Dedicated industry relations & program support



Carnegie Mellon



University of Pittsburgh

VirginiaTech

West Virginia University

URS