



5) The Team:

- Fortune500 Management
- Publicly traded company CEOs, CTOs and CFOs
- Proven Entrepreneurs
- Acclaimed PV Research Professors
- Wyoming Talent

1) The Problem:

Lack of Solar Development in Wyoming

2) Why:

Lack of transmission lines and stringent federal permitting requirements

3) The Solution:

Leverage our quantum-dot-doping technology and tax benefits to attract datacenter companies to Wyoming, directly connecting the datacenters to our 500+MW solar facility on private land; bypassing grid connectivity and federal land permits.

4) The Technology:

Quantum confined semiconductor nanocrystals, or so-called quantum dots, are utilized to produce large jumps in the efficiency of photovoltaic cells. Our Partner Research Groups at the University of Wyoming have discovered that adding small amounts of manganese increases the current produced by an average of 300% (up to 700%), while working with new perovskite semiconductor CsPbBr_3 materials for solar cells. Work was funded and supported by the U.S. Department of Energy, as part of the Experimental Program to Stimulate Competitive Research (EPSCoR).