



FEDERAL CAPABILITY STATEMENT

COMPANY OVERVIEW

PiSquareKu LLC is a solar panel recycling company that was founded with the goal of creating sustainable solutions for the renewable energy industry. The company's innovative technology enables it to recycle 100% of solar panels and transform the materials into valuable resources for the lithium-ion electric vehicle battery industry. As the demand for renewable energy and electric vehicles continues to rise, the production of lithium-ion batteries will require significant resources, including silicon, which is a crucial component of the battery's anode. PiSquareKu LLC has a proprietary process to extract and refine silicon from recycled solar panels and convert it into silicon nanowires, nanoparticles, and nanopowders, which have significant applications in lithium-ion battery manufacturing, improving the battery's performance, durability, and overall efficiency.

CORE COMPETENCIES

- **Technical expertise:** We have an extensive understanding of the technical aspects of solar panel recycling. Our scope includes knowledge of the materials used in solar panels, the manufacturing processes, and the potential for hazardous waste. We have expertise in handling, processing, and separating the different materials found in solar panels to ensure that all materials are recycled and reused effectively.
- **Research and Development:** Any company that can recycle 100% of solar panels must continuously research and develop new processes, equipment, and techniques to stay at the forefront of the industry. We will test and evaluate new recycling methods and technologies, including those that have yet to be widely adopted.
- **Sustainability:** Sustainability is an essential competency for any solar panel recycling company. We are deeply committed to minimizing our operations' environmental impact and aim to achieve a net-zero carbon footprint. This endeavor can be achieved by adopting renewable energy, reducing waste and emissions, and implementing environmentally sustainable practices.





CORE COMPETENCIES CONT.

- **Compliance:** Compliance with relevant environmental, health, and safety regulations is essential for PiSquareKu. We stay current with all government regulations to ensure our business complies with all relevant laws and policies.
- **Marketing and Customer Service:** We have a strong marketing and customer service strategy to educate potential clients about the benefits of solar panel recycling and offer top-notch customer service to build and maintain lasting relationships.
- **Financial management:** PiSquareKu will manage the costs associated with operations, research and development to ensure it can operate sustainably over the long term.
- **Teaming and subcontracting:** PiSquareKu will identify potential teaming partners and subcontractors and will develop effective strategies for working with them.

WHAT SETS US APART FROM THE COMPETITION?

Currently, there are several companies that recycle solar panels. Most of these companies use traditional methods to recover materials such as glass, aluminum, and silicon. Recycling solar panels into nano silicon with applications for EV batteries is a relatively new process, and only a few companies specialize in this process. We have the innovative technology to recover nano silicon and a zero landfill approach to our recycling strategy. That means we can recover the remaining commodities and have the technology to produce silicon nanoparticles, nanowires, and nanopowders. Using newly developed technology, our carbon footprint to produce nano silicon is less than 1/5th of the traditional nano silicon production methods.

NAICS CODES

423930

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221114

541620

541690

CERTIFICATIONS

Texas VOB