**Project features**

**Solar Energy Efficiency Improvement**

\* Utilizes a hybrid system of chemical energy conversion and thermoelectricity for efficient solar energy conversion.

\* Overcomes limitations of conventional photovoltaic cells, providing reliable and steady power output.

**Reducing Environmental Impact**

\* Offers a clean alternative to traditional energy generation, avoiding environmental damage during extraction and use processes.

\* Preserves terrestrial ecosystems and biodiversity, meeting SDG 15: Life on Land.

**Promoting Innovation and Infrastructure Development**

\* Supports SDG 9: Industry, Innovation, and Infrastructure by increasing technological progress and advancing sustainable energy infrastructure.

**Improving Energy Accessibility**

\* Increases solar energy system efficiency could lower overall solar power costs, underpining SDG 7: Affordable and Clean Energy.