

# Photovoltaics 4.0 and Sun trackers

Integrating a diagnostic device like **CleverDx** alongside a **solar tracker** can offer several advantages for system performance, maintenance, and overall efficiency. Here are some **key benefits**.

## **Continuous system optimization**

Information provided by our solution **Photovoltaics 4.0** can be used to continuously adjust the solar tracker, **maximizing efficiency** in solar energy capture. This ensures that solar panels are always **oriented most efficiently toward the sun**.

## **Rapid detection of issues in solar panels**

Our **CleverDx** can quickly identify any issues or malfunctions in the solar panels. This is crucial to minimize downtime and ensure optimal performance.

## **Automatic adjustments to the tracker**

Integrating Photovoltaics 4.0 and sun trackers enables automatic adjustments to **optimize solar tracking without manual intervention**, enhancing operational efficiency.

## **Prevention of future issues**

Our **plug and play device anticipates** and **diagnoses** potential problems before they become serious failures. It truly contributes to **long-term issue prevention, reducing repair costs, and improving system reliability**.

## **Real time performance analysis**

The ability to conduct real-time analysis of system performance, both of the tracker and solar panels, allows for informed decision-making regarding system maintenance and operation remotely **from your mobile device**.

## **Efficiency in maintenance**

The capability to diagnose specific issues facilitates a more efficient maintenance approach. **Operators can promptly address identified problems**, reducing downtime and improving operational efficiency.

## **General improvement in energy efficiency**

The combination of continuous diagnostics in real time with Photovoltaics 4.0 and dynamic adjustment of the solar tracker can contribute to a general improvement in the energy efficiency of the system, resulting in **increased electricity production over time**.



**Clever solar devices**