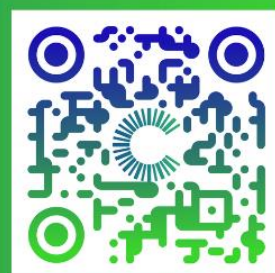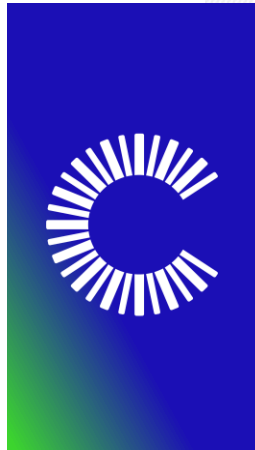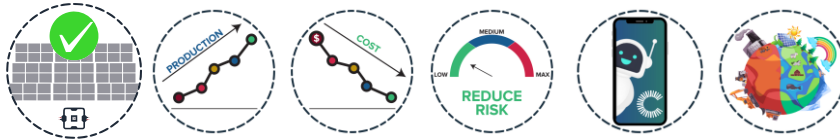# Clever solar devices
About Us

cleversd.com
info@clevesd.com
+34.644.677.311

Our Purpose

We digitalize the photovoltaic industry for a sustainable and safer energy for all contributing to a better planet.

Our Benefits

Recover up to 12% of your energy production, cut maintenance costs up to 70%, and mitigate labor risks and CO2 emissions, helping to reach the H2030 and H2050 horizons.

KNOW EXACTLY WHAT is happening to each module with our Clever Dx device, **WHERE** are the defective modules, and **WHICH type of issue** and **Degradation level** they present, **automatically, in real-time and remotely.**

The REAL-TIME AND AUTOMATIC DIAGNOSIS **detects 100% of the PV issues,** provides up to a 70% cost reduction, and up to a 12% increase in production, reducing the operator's risks. Moreover, we help with the same production plants to reduce greenhouse Gas emissions by up to 60 million tons per year globally.

What is Photovoltaics 4.0?

Clever Dx is an Intelligent Digital Twin of a solar PV Plant that helps you improve business decisions and the prioritization of O&M tasks. Easy and comprehensive data in a wisp.

Our proprietary platform (SaaS) receives the highest quality data for analyzing the health of the solar plant from our small "plug-n-play" device, the size of a credit card, that continuously collects data from the IV curves of the PV modules, and then our unique Artificial Intelligence algorithms and Machine Learning translate the information into simple and thorough data.

This is what we call Photovoltaic 4.0; we SIMPLIFY through digitizing processes that are currently done manually and with indirect measurements, which require estimations (thermographs or production-based data).

We use Artificial Intelligence and Deep Learning to transform the best quality data for diagnosis (IV Curves) into comprehensive information that is easy to use in business and operational decision-making.

The Problem we Solve

Photovoltaic installations of all kinds are only as good as their weakest modules and require regular maintenance.

Drone thermography, string or invertor level monitoring platforms, and other INDIRECT measurements only provide an ESTIMATE of the potential problem's location; a manual inspection is always necessary to confirm the problem's identification.

OUR SOLUTION: KNOW EXACTLY WHERE are the defective modules, WHAT is the problem automatically, and the level of degradation in JUST 3-Clicks from your mobile device.

Clever Dx and our unique artificial intelligence algorithms diagnose for you! simplified and comprehensive information, reports, alarms, and maps so you know exactly the type and seriousness of the failure, and the most important thing is where exactly the faulty PV modules are installed— all of it from your phone!

Artificial Intelligence-based analytics for decision making

Individualized and automatic diagnostics at module level with the highest precision (IV curves of each module)

Analyze your business with real-time reporting

3 Clicks

Your fleet in your pocket

Remote trouble-shooting

Our Team

Our team of experts, with vast experience working for technical giants, is the driving force behind Clever. We firmly believe that our solution is a revolution for the PV industry.
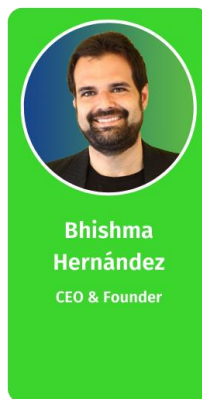
Senior Core Team

Tech companies background

International experience

5 languages

Team management and training experience

United by the motivation and belief that our solution is an industry game-changer
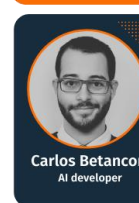
Bhishma Hernández
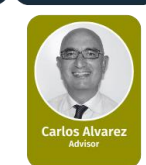CEO & Founder

José Luis Sevillano
CDO

Alexandra Pradas
CMO

Carlos Betancort
AI developer

Beatrice Bocolea
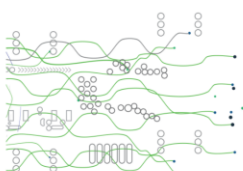Marketing Jr.

HR & Admin

Finances

Tony Alvarez
Advisor

Carlos Alvarez
Advisor

Pau Molinas
Advisor

OUR VISION

Be the most valuable and innovative AI platform for Solar PV plants. Create technology to make life easier and green energy more accesible to everyone.

OUR MISSION

Create and handle Deep Data to enhance and improve PV production plants. Enrich WW renewable energy management thru Artificial intelligence.
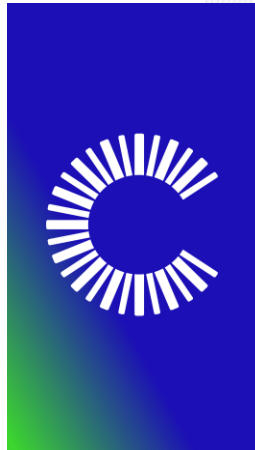
Our Compromise

Two of our main principles are the preservation and sustainability of the environment and natural resources through the use of renewable energy.

We contribute to six Sustainable Development Goals, helping improve operators' day-to-day lives and creating a more efficient energy system for everybody by digitalizing the PV industry through innovation and contributing to reach the goals of Horizon 2030–50.

The EU Impact Forecast has recognized our solution as having a Valid, Positive, and Significant impact.

Our Achievements & Partners

6 large utilities are already using our product (Repsol and Ferrovial among others), and we have letters of interest from recognized companies in the sector.

We have obtained the CE mark; we are closing partnerships to penetrate the Commercial/Industrial segment.
We are recognized in the photovoltaic and innovation communities, such as AWS and Infineon, by the ClimAccelerator and more recently have been certified as a Solar Impulse's Efficient Solution.

6
BIG UTILITIES
POC CUSTOMERS

POC installations in: Spain, Italy and Greece

NEW
PARTNERSHIPS
PENETRATE C&I

Partnerships in the works to penetrate industrial segment.

BIG
AWARDS & RECOGNITIONS

Our solution is being recognize d both in national and international Innovation and PV communities

The UNEF awarded us with the Startup of the Year award, and we received the Seal of Innovative Startup from the Spanish Government, the Piosphere 2022 award for the best Spanish Startup from the German-Spanish Chamber of Commerce, and more recently, Galp's Startup: The Future Global Open Innovation.

More about Us

Find more details in our website:

info@cleversd.com | +34 644 677 311