



ALTIUS SURYA TECH PVT LTD

COMPANY BROCHURE



Experience the
Sun Anytime,
Anywhere



**We are a solar
innovation
company
specializing in
products to boost
efficiency.**



Contact Us

T 172 Concorde Silicon Valley, Neeladri Road
Electronic City Phase 1, Bangalore, Karnataka
India 560100

Email id 1: latav@altiusurayatech.in or

Email id 2: knvishwanath@altiusuryatech.in

Main Tel: +91 7022409311

Alt: Tel: +91 8296484957



WHO WE ARE

We are a group of motivated professionals to bring new ideas for solar projects and sustainable environments.



Altius Surya Tech Pvt Ltd

AI for Renewable Energy Optimization
Bangalore, India

T172 Concorde Silicon Valley, Newtadi Road,
Electronic City Phase 1, Bangalore 560100, India

Contact: via Vidwanath | Tel: +91 7022409311 | Email:
info@altsuryatech.in

1ST LIVE

09:27:50
am

10 Jul 2026

Full-Stack AI Platform for Renewable Energy Optimization

From industrial data ingestion to AI recommendations and measurable benefit realisation across solar pumps, PV assets and renewable energy systems.

[View AI Platform Dashboard](#)

[Company Overview](#)

OUR PRODUCTS SERVICES

1 → IOT GATEWAYS & ENERGY OPTIMIZATION

Commercial-ready hardware designed to bridge industrial field assets with cloud networks.

- Base Gateway: RS-485/232 Modbus RTU extraction over Wi-Fi/Cellular for VFD and telemetry streaming.
- Advanced Gateway: Base model plus SSL/TLS encryption and reverse communication to write from the AI engine onto VFD performance optimisation

2 → AGRICULTURAL PROJECTS

- AI Kit for Solar Pumps (Off and On-Grid): This innovative AI kit optimizes solar pump systems for both off-grid and on-grid configurations, dramatically enhancing water flow and overall system performance.
- Optimizing Agro-Machinery: Enhance the operational productivity and daily yield of your agricultural machinery with our cutting-edge, retrofittable optimization solutions designed for maximum field efficiency.
- Solar-Powered Sprayers: Specialized, high-efficiency crop sprayers powered directly by portable solar units to ensure clean, sustainable, and low-cost maintenance for crops and large-scale farms.

3 A → SOLAR PLANT-UTILITY & INDUSTRIAL CAPTIVE- O&M

Maximize generation efficiency. Our multi-modal platform uses a custom YOLO AI engine to detect hidden panel defects, track real-time environmental soiling, and deploy predictive, data-driven cleaning cycles. This service includes hi-tech robotic cleaning. It automatically applies severity scoring to eliminate operational guesswork, helping to unlock up to 20% in recovered net revenue for a standard 10 MW layout.

3B → AI + DRONE AUTONOMY

Formal alliance with Marcg Drones & Innovations to deliver closed-loop, automated solar asset maintenance.

- Autonomous Inspections: Pre-programmed UAV (Unmanned Aerial Vehicle) fleets replace manual ground checks to scan gigawatt-scale assets effortlessly.
- Airborne Edge-AI: Custom YOLO models run directly on drone hardware for real-time thermal hotspot classification during flight.
- This service includes hi-tech robotic cleaning.

4 → SUN SIMULATORS

IEC-Compliant LED Sun Simulators

- The Technology: State-of-the-art, highly customizable LED-based solar simulators engineered specifically to bridge the technology gap in precise PV cell and panel testing.
- The Milestone: Our high-accuracy Minimum Viable Product (MVP) has been successfully built and validated, offering advanced, scalable testing configurations for manufacturers, research labs, and industrial compliance setups.

