

AeroSun™ Energy
--- Power from Sun and Wind ---

AEROSUN ENERGY PRIVATE LIMITED

Power from Sun and Wind.

COMPANY PROFILE | 2026

REGISTERED OFFICE
D. No. 11-184, Gollavanigunta, T.N. Pallem, Tirupati, Andhra Pradesh – 517501, India

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COMPANY OVERVIEW

About AeroSun Energy

AeroSun Energy Private Limited is an Indian renewable-energy company focused on developing and delivering practical clean-energy solutions using solar and wind power.

Our business vision is to make renewable energy more accessible, adaptable and useful for households, agricultural operations, commercial establishments and remote communities.

We aim to combine renewable-energy products, customised system design, engineering, equipment integration and technical services to address different energy requirements.



LONG-TERM DIRECTION

Customized small wind generators, solar power systems and integrated solar–wind hybrid solutions.

PURPOSE

Vision & mission

Cleaner power, made practical.

Two commitments guide the platform: a long-term direction and the work required to move toward it.



OUR VISION

To become a trusted renewable-energy solutions company by promoting accessible, reliable and sustainable energy technologies for a cleaner future.

OUR MISSION

- Promote adoption of solar and wind energy.
- Develop customised solutions for different power requirements.
- Explore innovative small-scale wind-generation technologies.
- Integrate solar, wind and battery storage systems.
- Support agricultural, residential and commercial energy needs.
- Build reliable customer, manufacturer and technology relationships.
- Contribute to environmental sustainability through renewable-energy adoption.

One platform. Multiple energy needs.

Hybrid systems bring generation, conversion, storage, and insight into one coordinated offer.



HYBRID GENERATION

Solar panels with vertical-axis wind turbines.

SMART CONVERSION

Smart inverters and IoT monitoring connect generation to insight.

OPTIONAL STORAGE

Battery storage supports different energy requirements.

FLEXIBLE SITES

Homes, businesses, public spaces, highways, and industrial sites.

BUSINESS AREAS

Solar energy solutions

Solutions intended for homes, businesses, industry and agriculture.



- Residential rooftop installations
- Commercial rooftop installations
- Industrial solar applications
- Agricultural solar pumps
- Off-grid solar power systems
- Solar battery storage
- Solar energy feasibility and consultation

BUSINESS AREAS

Wind energy development



PROPOSED PRODUCT DIRECTION

Customised small wind generators in a proposed capacity range from 100 W to 10 kW.

INITIAL ENGINEERING FOCUS

3 kW hybrid vertical-axis wind turbine (VAWT), combining Savonius and Darrieus rotor concepts.

- Customised power capacities
- Investigation of low-wind-speed performance
- Permanent-magnet generator integration
- Mechanical and electrical system optimisation
- Performance monitoring and testing
- Farm, rural and distributed-energy applications

Development remains subject to engineering validation, prototype testing and applicable certification.

BUSINESS AREAS

Solar–wind hybrid energy

A customised system concept combining renewable generation and storage.



SYSTEM ELEMENTS

Solar PV generation

Wind generation

Energy storage

Suitable power electronics

POTENTIAL APPLICATIONS

- Farms and agricultural operations
- Remote buildings
- Small businesses
- Rural facilities
- Off-grid applications
- Commercial energy systems

Final configuration depends on site conditions, load requirements and technical feasibility.

Who we are

AeroSun Energy is developing integrated solar–wind systems that adapt to different sites and customer needs.



ONE SYSTEM

Two renewable sources.

INTELLIGENT CONTROL

Inverters, battery options, and IoT monitoring.

MANY APPLICATIONS

Residential, commercial, industrial, and public infrastructure.

TECHNOLOGY

Development approach

A structured process from customer requirements through support.



01 Understand
Customer energy requirements

02 Evaluate
Site and environmental conditions

03 Design
A suitable system configuration

04 Source
Reliable equipment and manufacturing partners

05 Integrate
Selected system components

06 Inspect & test
Applicable inspections and performance testing

07 Document
System performance

08 Support
Technical support and maintenance arrangements

For wind-energy products, engineering validation and prototype testing are essential before commercial performance claims are made.

COMMITMENTS

Quality & safety

Intended practices for renewable-energy products and installations.

- Equipment specification verification
- Supplier qualification
- Material inspection
- Electrical safety checks
- Mechanical inspection
- Installation quality control
- Commissioning documentation
- Warranty and service coordination



Products and installations will be subject to applicable technical standards, statutory requirements and manufacturer specifications.

OFFERINGS

Products & services



Residential solar

Rooftop solar systems

Commercial solar

Business and commercial rooftop systems

Agricultural solar

Solar-powered agricultural applications and pumps

Off-grid solar

Independent solar electricity systems

Wind energy

Small wind-generator development and proposed product range

Hybrid energy

Solar, wind and battery integration

Energy consultation

Site assessment and renewable-energy feasibility

Energy storage

Battery-based storage integration

MARKETS

Industries & customer segments

- Individual homeowners
- Industrial facilities
- Farmers and agricultural businesses
- Rural communities
- Small and medium-sized enterprises
- Remote and off-grid facilities
- Commercial establishments
- Renewable-energy project developers
- Educational institutions





PARTNERSHIP

Why work with AeroSun Energy?

Renewable energy, engineering and partnership in one coordinated offer.



DUAL SOURCES

Solar and wind energy focus
Solar–wind hybrid system development

CUSTOMISED SOLUTIONS

Customised renewable-energy solutions
Customer-oriented project planning

ENGINEERING INNOVATION

Interest in innovative small wind generators
Engineering-led product development

PARTNERSHIPS & APPLICATIONS

Agricultural and rural energy applications
Manufacturer and technology partnerships

We aim to establish long-term relationships with customers, suppliers, installation partners and technology developers.

PROPOSED REVENUE MODEL

Start with projects. Build recurring value.

Begin with assessments and smaller installations, then expand recurring service revenue.



01. ASSESS

Paid site assessments and engineering design.

02. INSTALL

System sales and installation.

03. MAINTAIN

Maintenance and service contracts.

04. MONITOR

Recurring IoT monitoring subscriptions.

05. SCALE

Larger commercial and infrastructure projects.

06. PARTNER

Equipment supply and installation partnerships.



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Let's build a cleaner and more sustainable energy future together.

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THANK YOU

AEROSUN ENERGY PRIVATE LIMITED

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Clean energy. Smart technology. Sustainable growth.

> *Ideation-stage positioning; revenue streams and performance claims are future-facing and do not represent existing sales or completed installations.*

