

About Astronergy





Operation

As a green manufacturing enterprise, Astronergy implements low-carbon actions through every PV module, practices green behaviors through every employee, and guides our partners in the PV industry chain to build a sustainable ecology together.



Customer

Astronergy always puts customers' needs first and focuses on communication and cooperation. We are constantly looking for new ways to better serve our customers with more convenient services and sustainable products.



Astronergy uses large-size wafers for all of its modules and actively promotes the use of thinner wafers, fluorine-free backsheets, etc., to continually improve module efficiency and reduce the carbon emissions and energy consumption of ASTRO N series modules.



Employee

Astronergy is deeply committed to employee welfare and implements various initiatives in recruitment, training and corporate culture, emphasising equal opportunities and respecting employees from different backgrounds.

International Initiatives

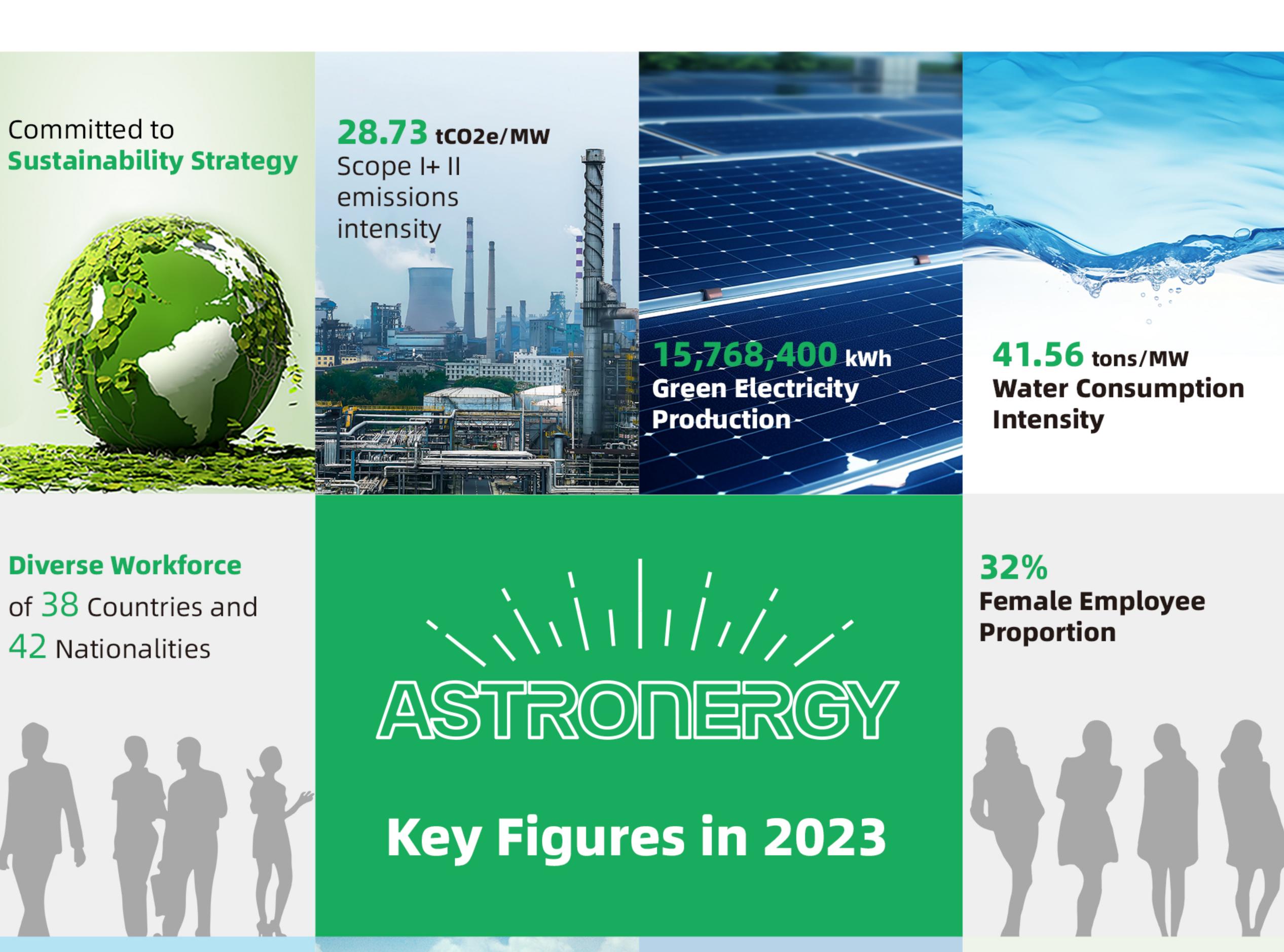
















Certification



Low Carbon Footprint Certificate granted by Certisolis



ISO14067 Product **Carbon Footprint**



GOLD Rating by EcoVadis



Greenhouse Gas Emissions Verification Certification (ISO 14064-1:2018) granted by BSI



UL EPD









Carbon Neutrality

Sustainability Strategy

2035 Year

100

Bio-power Plant Collaborations

40%

Female Employee Proportion

100%

Operate With Renewable Energy 1,000

Employees Gain Support For Their Continuous Education

30%

Female Senior Management Staff Proportion

100%

Key Suppliers Attain Iso 14001/45001 Certification

10,000

Farmers Gained Help For Income Increase

30%

Female Technician Proportion

90%

Product Recycling Rate

Landfill Waste

Zero Carbon Factories

100%

Key Suppliers Conduct Due Diligence And Environmental & Social Impact Assessment

100%

Executive Pay Linked To ESG Performance

2028 Year

1st

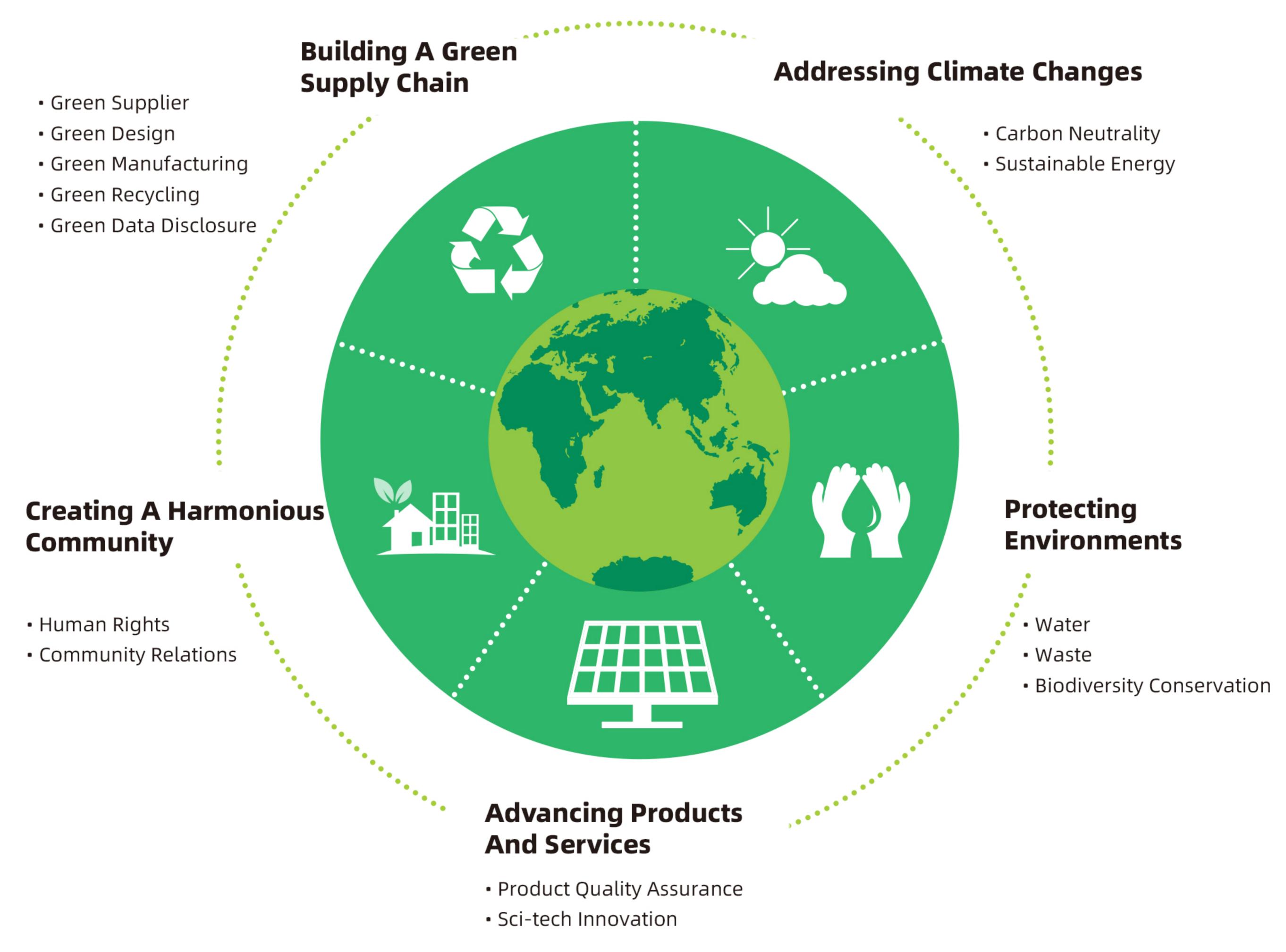
Zero Carbon Factory

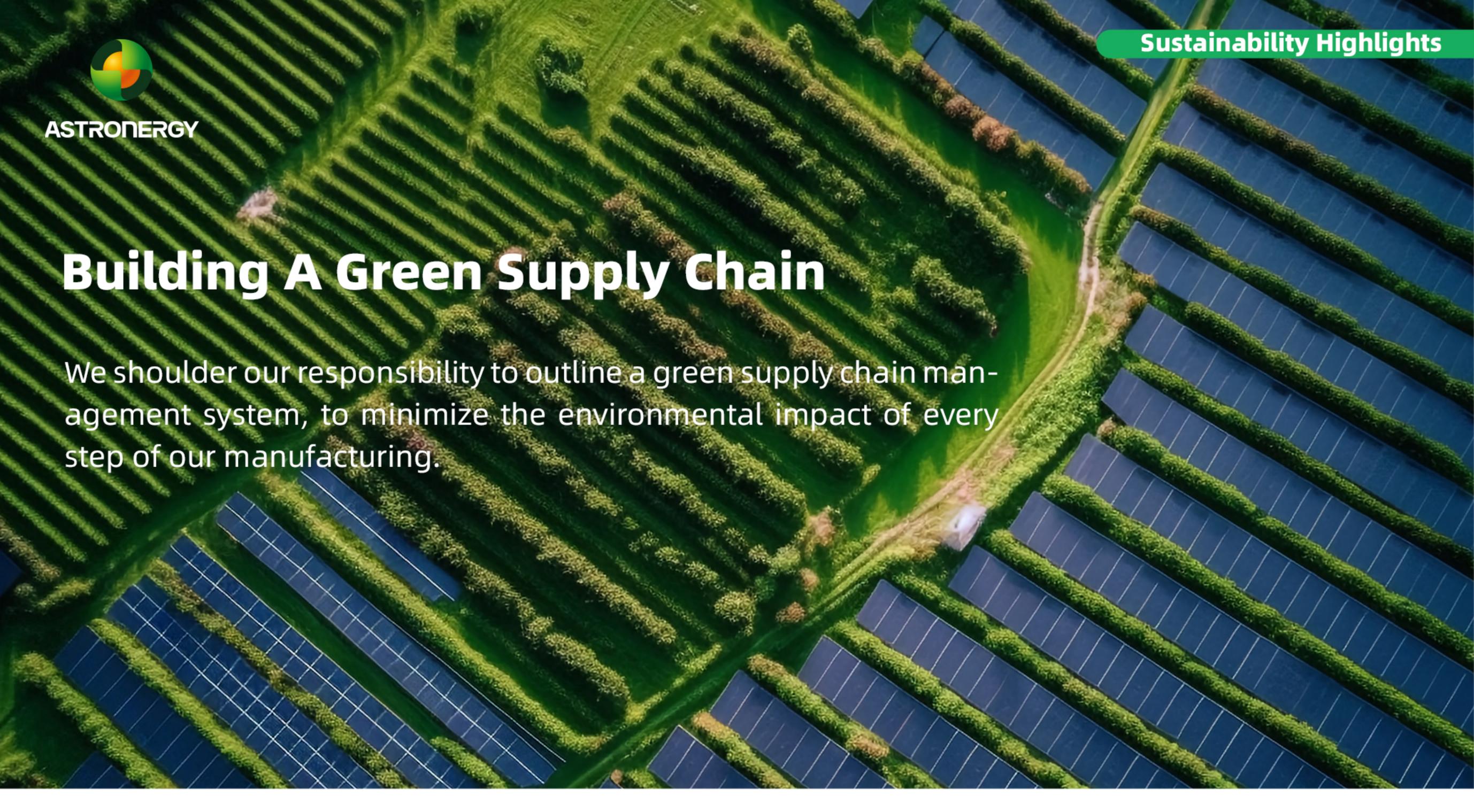
CRE4 ECS

French Carbon Footprint Certification

2023 Year

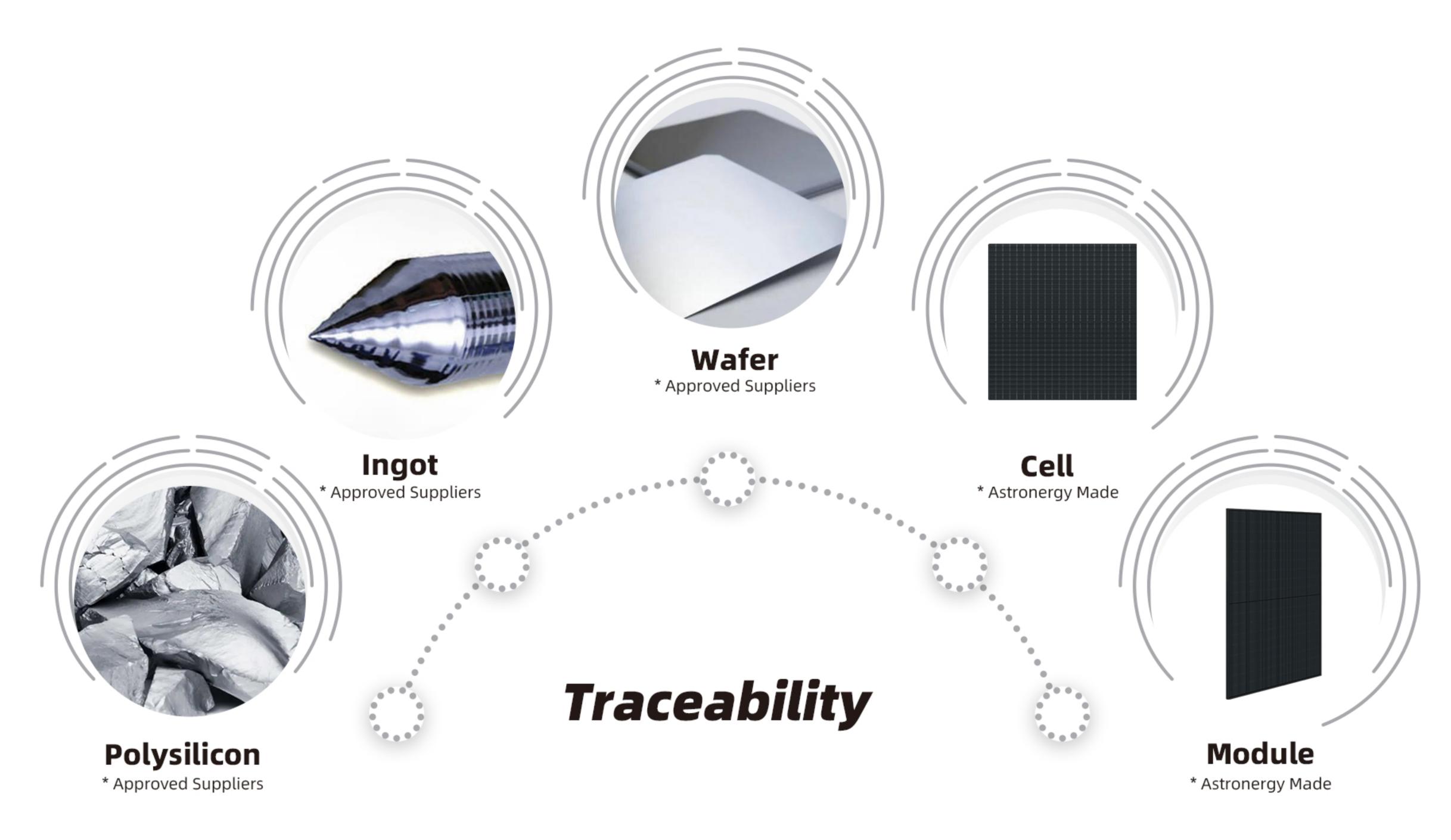








Astronergy has developed a comprehensive traceability system to ensure product quality, which covers all aspects of the supply chain from upstream suppliers to finished products, showing our superior product reliability and corporate responsibility as an industrial benchmark.













Green Supplier

Astronergy emphasizes the responsible sourcing of raw materials and partnerships with environmentally responsible suppliers.





First Company Enabling Automatic 'Al Detection of EL Defects'

Green Manufacturing

Astronergy enables the intelligent monitoring and traceability in the production process from raw materials to finished products.



Automated Guided Vehicle (AGV) 95% Automation Rate



100%

Recycling rate of packaging, glass, and frame materials

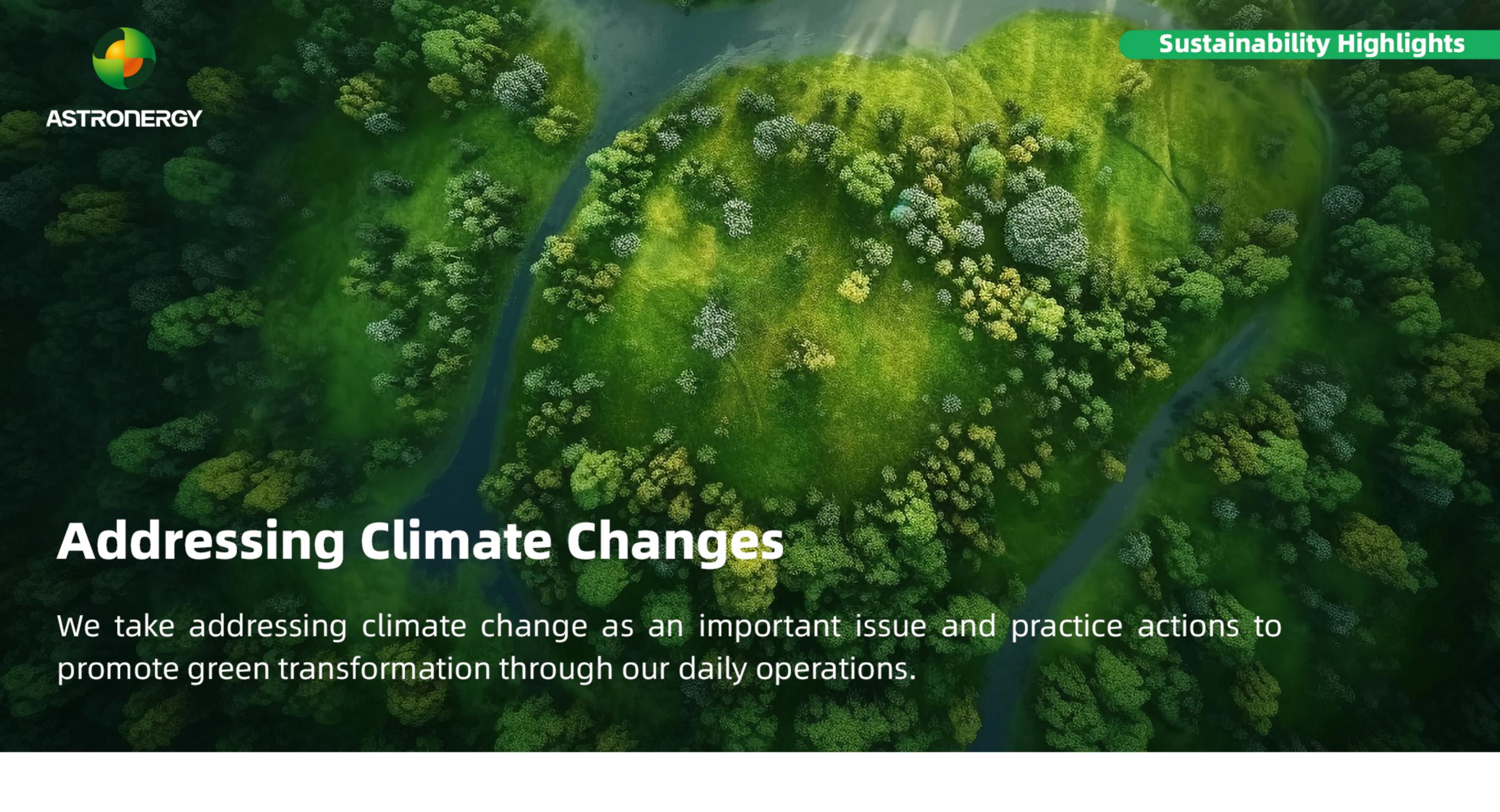


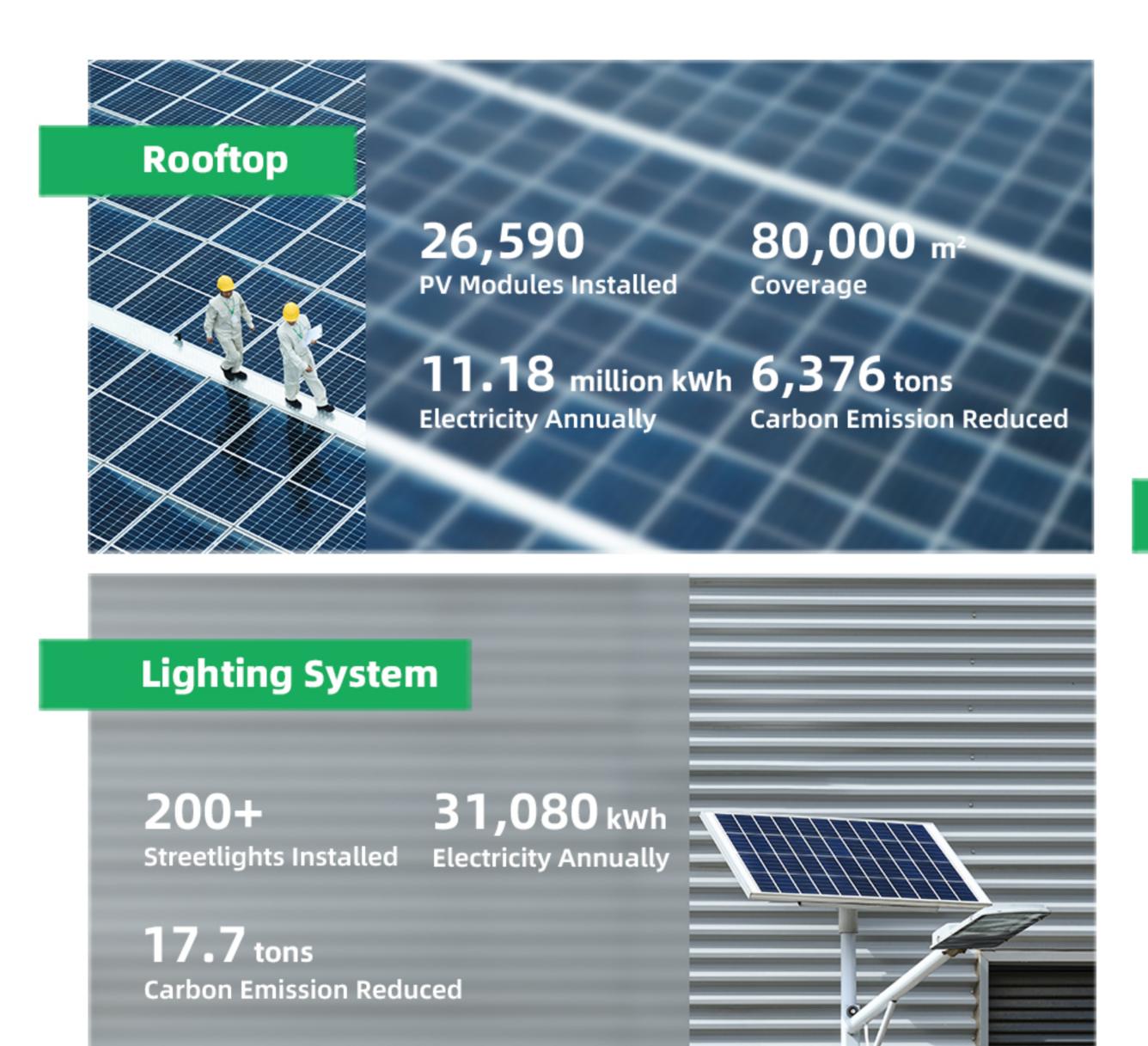
Recycling rate for PV cells

80%

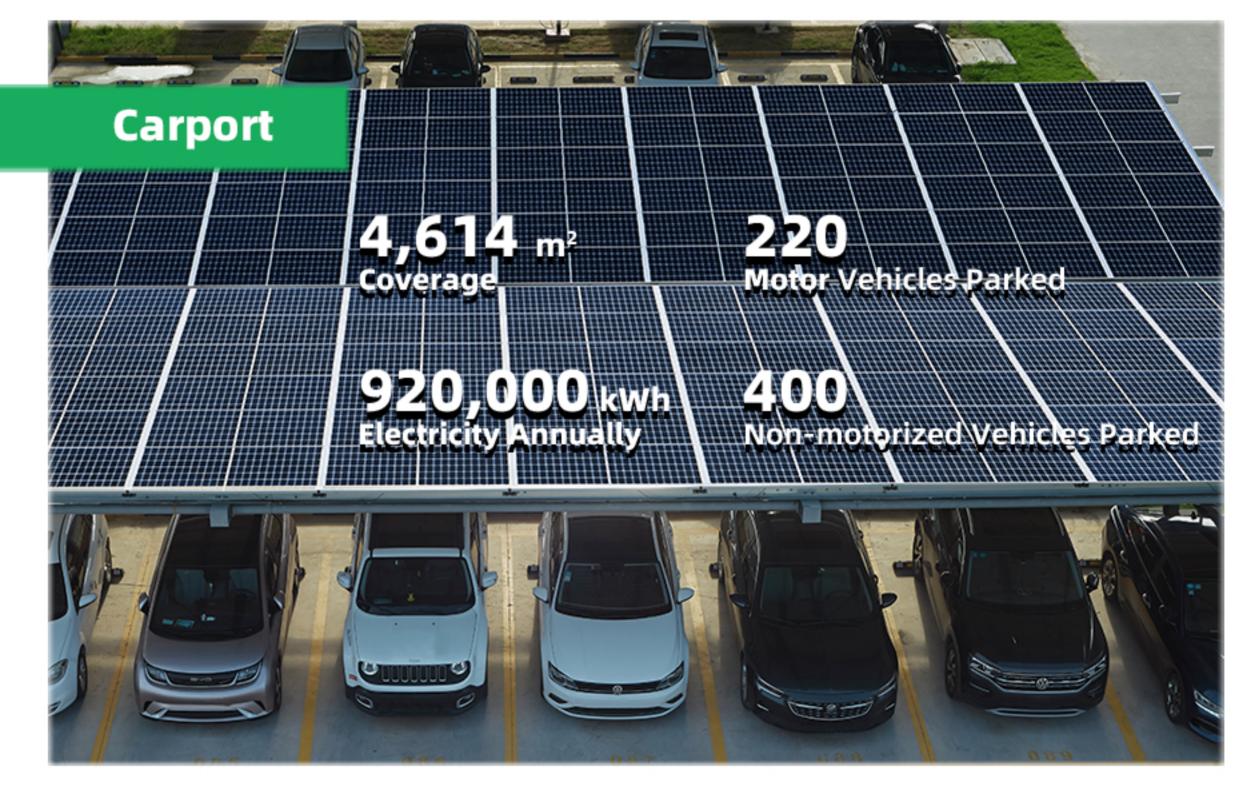


Recycling rate of welding ribbons





Astronergy finished the upgrade of its first zero-carbon factory - Yancheng Zero-Carbon Factory.

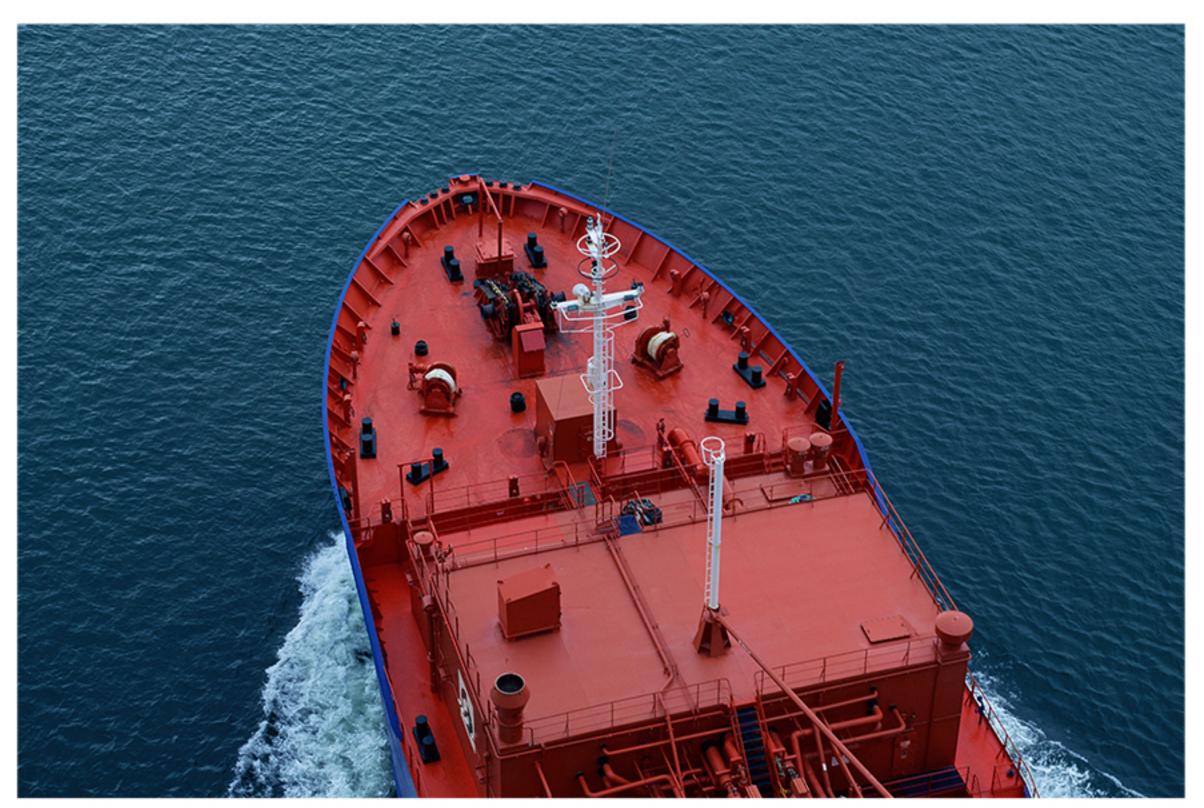


Astronergy improved transport mechanism by increasing the water transport and reducing the transportation of container trucks.

Water Transportation

571.84 tons

Carbon Emission Reduced (Haining MFG. To Ningbo Port)







Astronergy, NIO and OPF hand for the world's first EV PV Self-consumption System with V2G Chargers at Qilian Mountain National Park.

Clean Park

75 ASTRO N PV Modules Installed

53 tons Carbon Emission Reduced

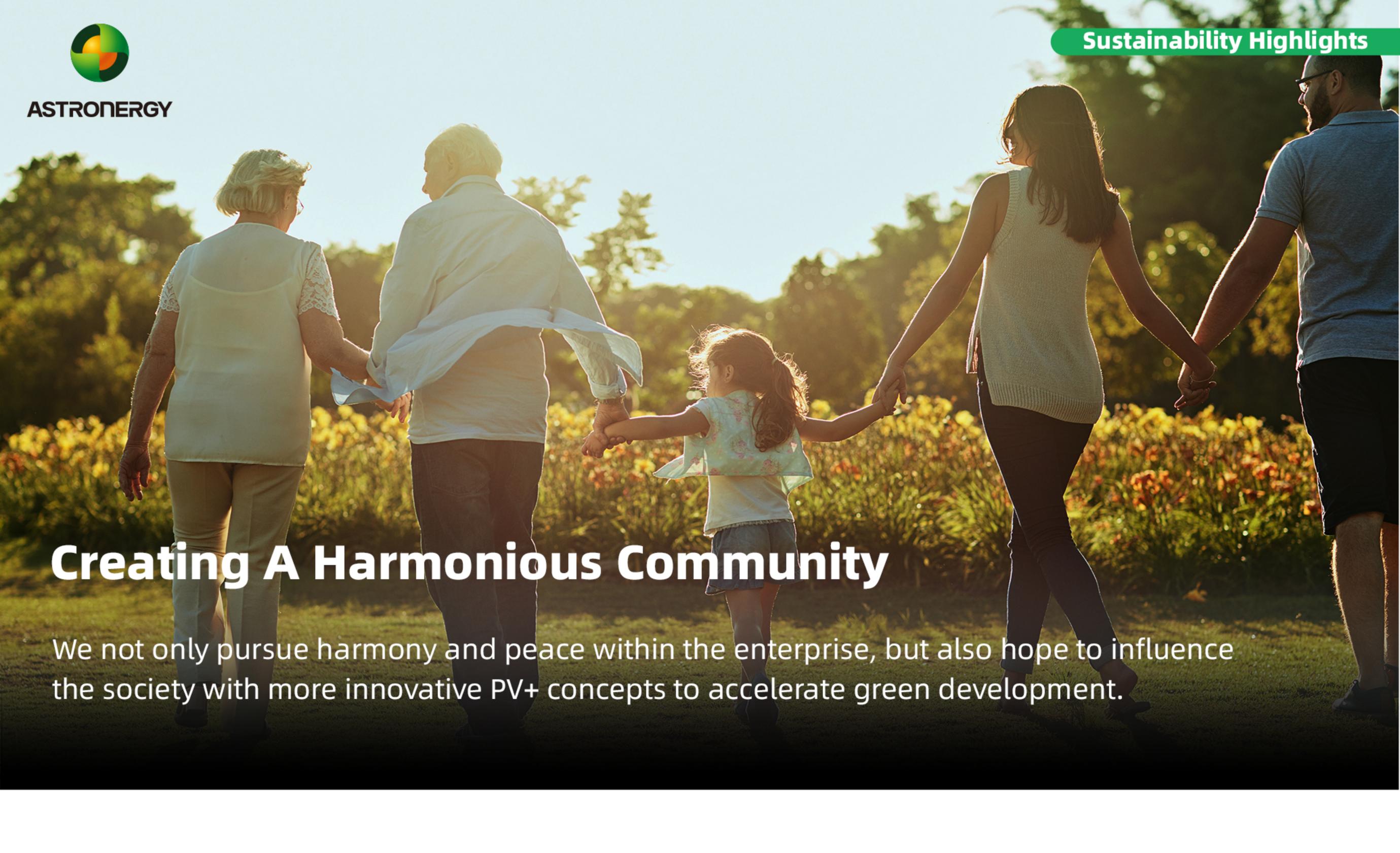
670,000 kWh Electricity Annually

Astronergy focuses on the management of water resources in the production and operation process, and is committed to improving the efficiency of water use.

Cooling Tower

69,000 cubic meters Water Consumption Saved







'PV+' Public Education

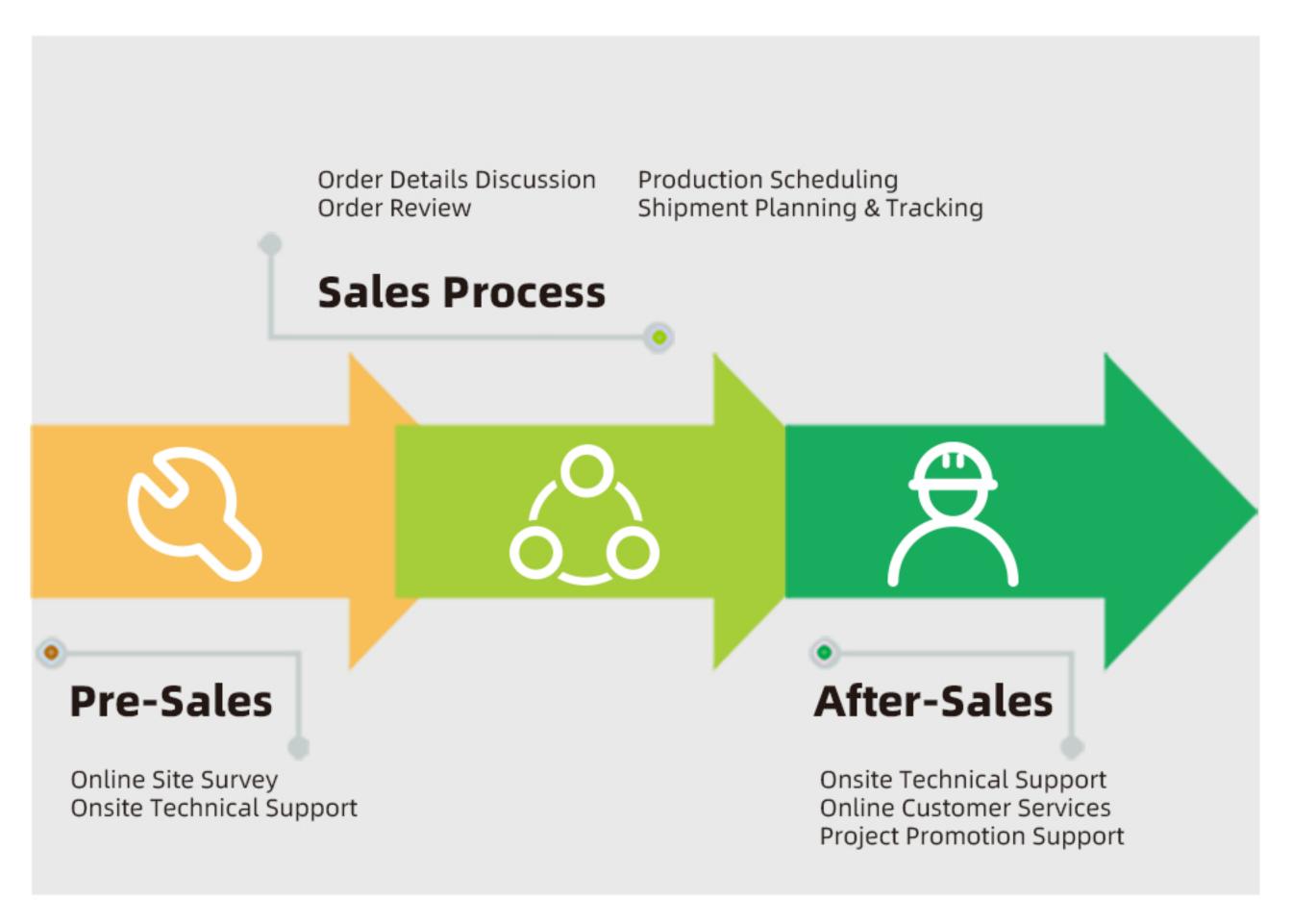
Astronergy has initiated a public education center for promoting eco-friendliness, which has attracted hundreds of kids and their families come to manufacturing bases to get inspirations for a sustainable and eco-friendly future.

Homing Program

Astronergy fully protects the rights and interests of employees, creates a culturally-integrated working environment like 'Homing' event, and provides employees with broad career development opportunities.







One-Stop Service

Astronergy is constantly improving its customer service and establishing a one-stop shop to ensure flexibility, credibility and quick action.

Leading Technology

Astronergy is in the leading position in the n-type TOPCon, and its main series of products, the ASTRO N7 and N7s, utilize TOPCon 4.0 solar cell technology and more environmentally friendly materials.

