

ASI

ASI Clean Energy Solutions



About ASI



Our Vision: To be a primary supplier for a complete solar and hybrid energy solution

Our Purpose: Customer satisfaction, superior product quality

Our Spirit: Endless efforts to scale new heights

Our Values: Value for money and share benefits

Our Strategic Target: Be a leading global operation and service provider of clean energy



ABOUT US

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About ASI



ASI Clean Energy, a wholly owned subsidiary of ASI International, was founded in 2010. Through more than 15 years of innovation and development, we have established a fantastic network of leading photovoltaic manufacturers,

We work with a Tier 1 module supplier, one of China's largest photovoltaic power station developers, and a first-class leader among China's photovoltaic manufacturers.

Our downstream business includes solar photovoltaic project development, design, EPC construction, operation & maintenance and one-stop system integration solutions for customers.

ASI continues to push the decrease of solar energy cost, and makes contributions to the development of global clean and environment-friendly energy.



ABOUT US

Our global reach



4

Global Production Bases

20 GW+

Accumulative Shipment

50+

Shipped Countries

TOP10

Production Capacity Globally

TOP 10

Module Shipment Worldwide
since 2018

TIER 1

Module Supplier in Bloomberg
Ranking

TOP 5

PV + Agriculture Project Provider in
China

TOP 10

PV Project Development &
EPC Company in China

TOP 50

Global New Energy Enterprise

\$300M

R&D Investment

350+

R&D Team Members

340+

Patents Applied

Core Competitiveness



Global Network

- 50+ countries/regions for product shipment, 45+ associate branches and offices all over the world
- ASI provides customers with localized service & support, backed by its global sales network
- Strong after-sales service network with rapid response
- Long-term partnership with China's state-owned enterprises and clean energy suppliers



Solid Financial Strength

- Long-term cooperation with world's major banks and other financial institutions
- Considerable bank credit scale around the globe
- Diversified financial channels including finance lease, merger & acquisition fund



Leading Manufacturing

- Top 10 PV manufacturer and supplier in the world
- China's tier-1 PV manufacturer, one of the largest PV power plant developers in China
- The reliable quality of solar modules ensures continuous power output for 25-30 years

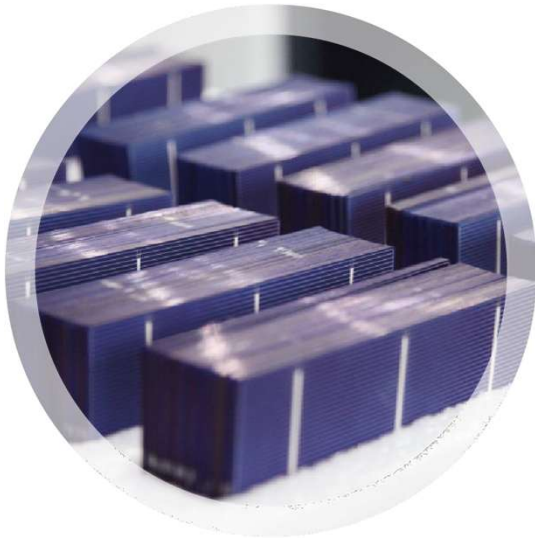


Smart Solar Energy Solutions

- Smart solar solutions covers the full lifecycle of the plant, maximizing the revenue and optimizing the LCOE
- With customized solutions, ASI provides customers with safe, reliable and cost-effective green energy



Products & Solutions



Solar Module

As global leading PV module manufacturer, ASI offers solar products with world-class quality and performance



Diversified solutions

ASI is dedicated to provide global customers with one-stop customized and smart solar energy solutions



Solar Storage

ASI offers high-efficiency, reliable and customized solar storage solutions



PRODUCTS

Strategic Direction



Vertically & Horizontally Integrated Capabilities

ASI's solar panel production capacity is vertically integrated in a creatively flexible way. From materials to cells and solar modules, ASI has GW-capacity production facilities throughout global. ASI dynamically stabilize our supply chain to mitigate risk and add value. ASI supplies a wide variety of PV modules ideally suited for all types of installations: residential, commercial, industrial and utility. Since 2010, more than 20 GW+ modules have been installed in thousands of residential, commercial, and utility-scale solar applications worldwide.

ASI smart energy solutions provide horizontally integrated one-stop solution services throughout entire lifecycle of a solar power plant, from project development, project financing and investment, project design and engineering, procurement and construction management, to project operation and maintenance services. Backed by a decade of knowledge and experience in solar module production, expertise and skills in EPC, ASI smart energy solutions propose services enabling worldwide solar projects to be realized, and innovations throughout the entire project lifecycle optimizing each project's LCOE.

More Efficiency, Higher Capacity

Flexible Module Production Capacity



12GW Cell



15GW Module



Strategic Goals

ASI

The World-leading
PV Module Manufacturer



SOLAR

Product Portfolio

Comprehensive Product Portfolio

ASI offers a wide variety solar modules, enabling it to meet the diversified requirements of all categories of solar installations: residential, commercial and utility.

As a leading solar module supplier, ASI has been developing state-of-the-art technologies and launched innovative solar products into the global PV market.



Diversified Solar Modules

A Rich Product Portfolio to Meet the Diversified Needs of Customers



Product Type
MBB 120 / 132 / 144 / 156 Cells
M6 / M10 / G12

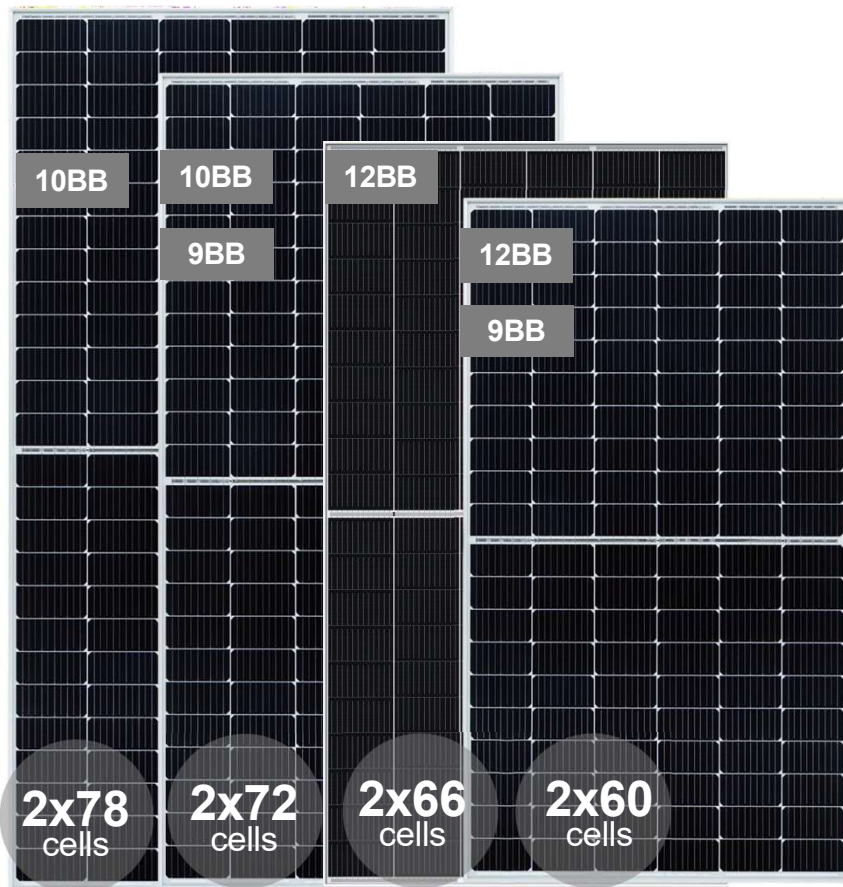


Product Type
MBB 120 / 132 / 144 / 156 Cells
M6 / M10 / G12



PRODUCTS

BIPRO Series



Product Model

320W-665W

BIPRO TD8G66M 12BB / BIPRO TD8G60M 12BB
 BIPRO TD7G78M 10BB / BIPRO TD7G72M 10BB
 BIPRO TP6G72M & TP6G72M(H) 9BB
 BIPRO TP6G60M & TP6G60M(H) 9BB
 BIPRO TD6G72M 9BB / BIPRO TD6G60M 9BB
 BIPRO TD6I72M 9BB / BIPRO TD6I60M 9BB



12BB / 10BB / 9BB
half-cut cell technology



Excellent Anti-PID
performance



IP68 junction box



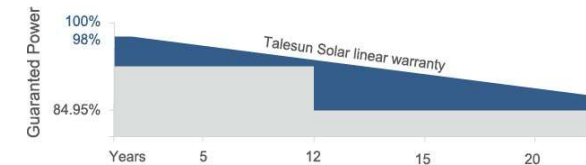
Industry leading high yield



Wider application

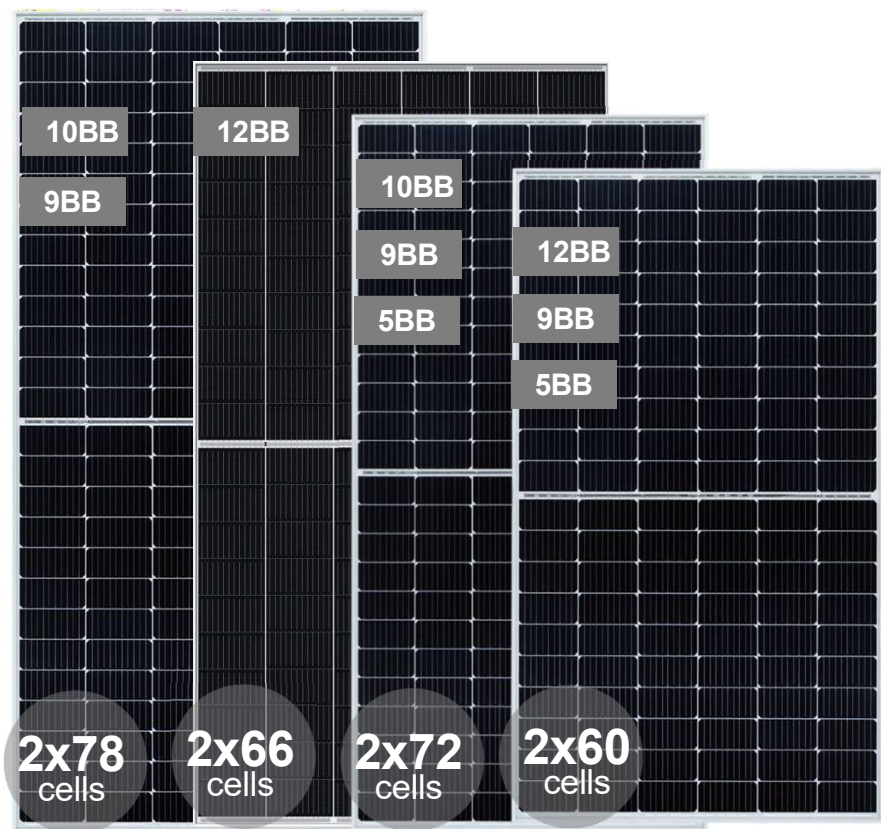


Linear Performance Warranty
Standard Performance Warranty



PRODUCTS

BISTAR Series



Product Model

280W-665W

BISTAR TP8F66M & TP8F66M(H) 12BB / BISTAR TP8F60M & TP8F60M(H) 12BB
BISTAR TP7F78M & TP7F78M(H) 10BB / BISTAR TP7F72M & TP7F72M(H) 10BB
BISTAR TP6H72M & TP6H72M(H)_full black / BISTAR TP6H72M & TP6H72M(H) black frame
BISTAR TP6H72M & TP6H72M(H)
BISTAR TP6H60M & TP6H60M(H) full black / BISTAR TP6H60M & TP6H60M(H) black frame
BISTAR TP6H60M & TP6H60M(H) / BISTAR TP6F78M & TP6F78M(H) 9BB
BISTAR TP6F72M & TP6F72M(H) 9BB / BISTAR TP6F60M & TP6F60M(H) 9BB
BISTAR TP6L72M & TP6L72M(H) 9BB / BISTAR TP6L60M & TP6L60M(H) 9BB



12BB / 10BB / 9BB
half-cut cell technology



Excellent Anti-PID
performance



IP68 junction box



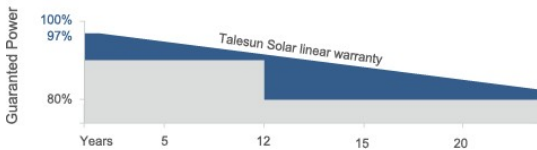
Significantly lower the
risk of hot spot



Lower LCOE



Linear Performance Warranty
Standard Performance Warranty



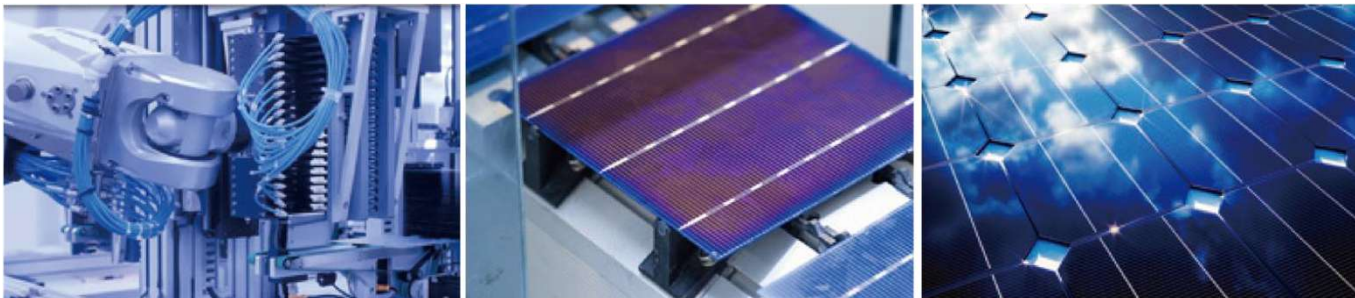
PRODUCTS

Manufacturing Management

PV Manufacturing Capabilities

ASI applies world-class technology and high-reliability procedures in production operations. We consistently improve employee skills and quality control to ensure the highest-quality workmanship.

We utilize fully automatic equipment from leading suppliers to maximize reliability and control the entire manufacturing process via an advanced management and control process to ensure product stability and sustainability. ASI vertically integrated production process is proven to systematically optimize costs and provide maximized value for customers.



ASI R&D facilities and constant technological innovation guarantee every ASI product's remarkable advantages and ensure that ASI products always stand out from the rest of the competition.



MANAGEMENT
CONSULTANCY

Product Manufacturing Competitiveness



Unprecedented Quality Standards and Assurance



Vertical integration enables cost-saving and reliability

With certificates of ISO 9001, ISO 14001 and OHSAS 18001, ASI applies strict quality control measures in all stages of the manufacturing process.



Affiliated top quality manufacturing

ASI strict quality control ensures compliance with ISO and internationally recognized quality standards such as TÜV NORD, TÜV Rheinland, etc.



Failure Modes and Effects Analysis (FMEA)

ASI use the FMEA process to make improvements and improve reaction speed. Every process in product manufacturing is well monitored and recorded, and every potential risk is technically mitigated by preventive analysis and measures implemented. We strive to provide a perfect product to customers with a low failure rate.



Highly automated

ASI employ a highly automated manufacturing process supported by the most technologically advanced equipment that mitigates environmental effects and ensures the highest-quality products.



Constant innovations

ASI strives to implement continuous innovation in technology, products, and service based on customer needs. These innovative practices have provided customers with better products and energy solutions that enable better returns on investment.



MANAGEMENT
CONSULTANCY

Continuous Innovation

Cutting-edge R&D Constant Innovation

ASI has been closely cooperating with accredited testing organizations and authoritative institutions in the industry. Currently, the R&D Center has established close cooperation relationship with global well-known research institutes and institutions of higher learning, including Chinese Academy of Sciences (CAS), Shanghai Jiao Tong University, Sichuan University, Energy Research Center of the Netherlands (ECN), SERIES, Southeast University, Nanjing University of Aeronautics and Astronautics.



Experienced International R&D Team

- The international R&D team
- Outstanding teams of experienced experts
- Close cooperation with industry institutes and research organizations



Enough Annual Revenue Invested in R&D

- R&D fund for new technology / product development
- Different R&D theme for every project
- Generous incentives for notable R&D achievements



Patents, Creative Products, Innovative Technologies

- More than 340 patents and proprietary technologies developed
- 350+ R&D experts have published hundreds of solar papers in professional publications



MANAGEMENT
CONSULTANCY



One-stop Solar Solutions

Proven Global Leading Energy Solutions Provider

ASI is dedicated to providing energy solutions to customers worldwide. With its approach to maximizing energy output and reducing the levelized cost of electricity (LCOE) by integrating all of our technology roadmaps and activities throughout whole lifecycle of the power plant, ASI has been delivering leading reliable, dependable, and cost-effective solar power plants to partners around the world.

For project developers, commercial and industrial users, utilities, independent power producers, worldwide energy off takers and investors, we confidently believe that ASI energy solutions are your smart choice.



Project
Development



Engineering
Design



Project
Supply Chain



Engineering
Construction



Operation and
Maintenance



MANAGEMENT
CONSULTANCY



Reliable Project Development

An Experienced Partner Knows What You Need

With comprehensive know-how and rich experience, ASI has developed a reasonable development process to ensure that every PV project is commenced and completed as scheduled.

Reliable Track Record

- 7.5 GW PV project development experience
- Global sales and project development network

Flexible and Professional Project Development

- Localized profession project development team in Europe and Southeast region
- High-efficiency management based on substantial experience in project development
- Flexible development models including project planning, independent development and cooperative development

High-quality Project Pipeline

- Close partnership with leading developers around the world
- High-quality project development team and rich project pipeline



MANAGEMENT
CONSULTANCY

Excellent Project Engineering Design Capabilities

Excellent Engineering Design Capabilities

Rigorous Standards and Tailor-made Services

- High standards are implemented throughout the project engineering design to ensure project quality
- Project layout design is based on actual solar radiation, weather and site conditions, and other factors
- Tailor-made solar energy solutions based on the project characteristics
- The most optimized engineering design based on demands of customers



Experienced
Engineering Team



Rich
Solution Package



Professional
Industrial Standards



Leading
System Design

Professional Engineering Design and High-efficiency Team

- ASI adopts industry-leading PV project design tools
- ASI provides customers with best solar energy solutions based on data from professional platforms
- Respond quickly and make adjustments timely through teamwork



MANAGEMENT
CONSULTANCY

Global Supply Chain System

Perfect Supply Chain System

ASI has a strict supplier management system and a complete qualified supplier base. Under the premise of ensuring the quality of PV plants, ASI has long-term strategic partnerships with domestic first-tier suppliers such as Huawei, ZHONGHUAN, TONGWEI, Far East Etc., with good quality assurance and reliable after-sales services. ASI conducts a comprehensive assessment of qualified supplier quarterly, forming a healthy cooperation with the supplier and win together while reducing costs and increasing efficiency, constantly introducing new materials to help company win opportunities in fierce market competition.

Global Procurement System

- Centralized procurement, unified management
- ASI has established partnerships with well-known equipment suppliers to ensure supply stability and cost optimization

Complementary of Advantages

- In collaboration with supplier partners, ASI keeps optimizing performance ratio of PV projects
- ASI works with its key suppliers to jointly develop innovative products and solutions



MANAGEMENT
CONSULTANCY

High-efficiency Construction Management

Rich Experience of PV Project Construction

ASI has an experienced construction management team with EPC qualification for power engineering. By improving project construction management process, ASI has been building PV projects efficiently, and optimizing construction costs and LCOE.



Strict Execution Plan & Management

- With efficient team management, every ASI's PV project is completed on time
- Accelerate installation and reduce labor costs by improving the construction process
- Maximize power output across the whole lifecycle of PV projects

Professional and experienced Team

- Rich PV project construction management experience, and know-how of PV industry
- World-class PV project construction capabilities and top-level project operation management team

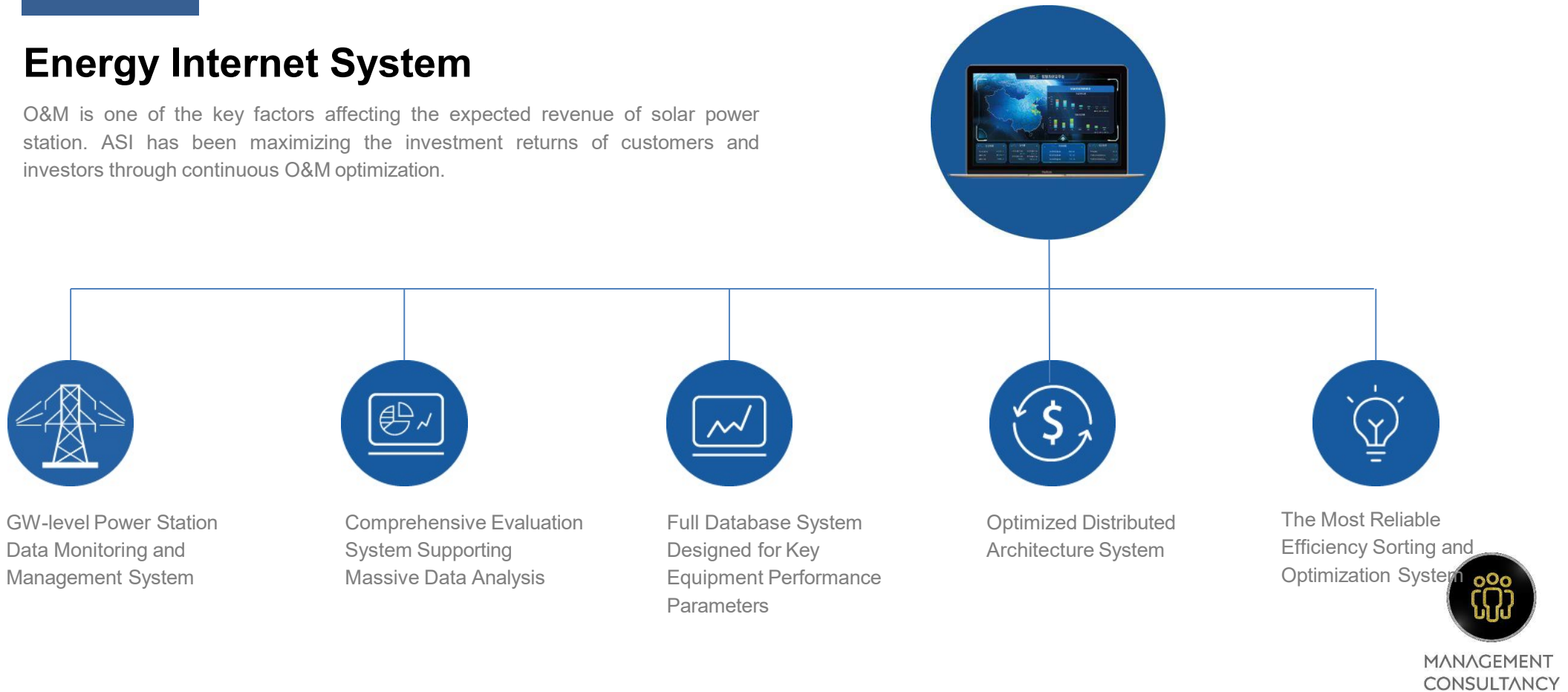


MANAGEMENT
CONSULTANCY

Smart O&M Management

Energy Internet System

O&M is one of the key factors affecting the expected revenue of solar power station. ASI has been maximizing the investment returns of customers and investors through continuous O&M optimization.



20GW+ Solar Power Plants Completed

CO₂

Reducing emissions of CO₂ per year
20,000,000 tons



Providing electricity to residents per year
213,483



Generating clean energy per year
1,900,000,000 kWh



Equivalent to planting trees per year
10,000,000



NEWS



One of the Largest PV Utility
in South America

315 MW

Cauchari, Argentina



NEWS

One of the Largest PV Utility
in Eastern Turkiye

99.5 MW

Burdur, Turkiye



ASI

97 MW

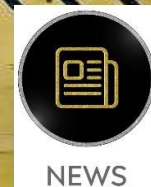
Adana, Turkiye



ASI

65 MW

Juarez, Mexico

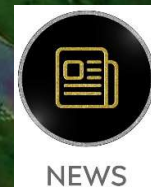


NEWS

ASI

3.8 MW

Gazientep, Turkiye



ASI

一百兆瓦大型光

一百兆瓦大型光

100 MW

Jiayuguan, Gansu, China



中利國輝



招商新



NEWS

ASI

100 MW

Afyon, Türkiye





ASI

9.8 MW

Hamburg, Germany



NEWS

ASI

70 MW

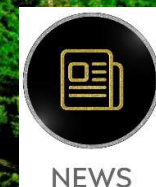
Antalya, Türkiye



ASI

20 MW

Berlin, Germany



ASI

24 MW

Calabria, Italy



ASI

30 MW

Thiruvannamalai Tamilnadu, India



ASI

12 MW

Essex , UK



ASI

3.5 MW

Burdur, Türkiye





AS I

2.2 MW

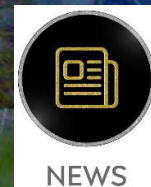
Nordhorn, Germany



ASI

7.2 MW

Bonvillars, Switzerland



Contact Us



Please contact us to discuss your specific clean energy solution requirements

info@alsafwaint.com

▪ London

▪ Dubai

▪ Algiers

▪ Istanbul



CONTACT US