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For more info
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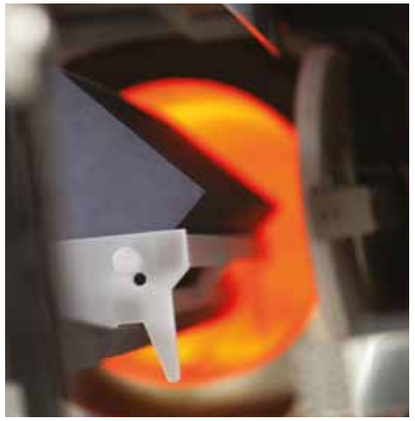
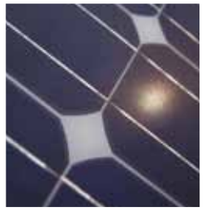
APMEA refers to Asia Pacific, Middle East and Africa





2012 COMPANY PROFILE

Trinasolar
Smart Energy Together

QUALITY

Trina Solar adheres to international standards of quality, institutes stringent quality control processes, and strives to consistently deliver high quality products.

RELIABILITY

Trina Solar maintains a strong sense of professionalism and accountability. The company seeks to build strong relationships with partners who share our commitment to advancing the solar PV industry.

SUSTAINABILITY

At Trina Solar, we make significant efforts to reduce the waste and pollution created by our manufacturing processes. In order to accelerate the transition to clean, reliable energy, we continually work to improve the efficiency and quality of our products, as well as to advance the technology we use.

CONTENTS

1

ABOUT TRINA SOLAR

- Fortune Fast 100
- Company Milestones

1

ABOUT TRINA SOLAR

Inspired by the potential of solar photovolatics and the United States' 'Million Solar Roofs' initiative in particular, Trina Solar was established in December 1997 by Jifan Gao and a small group of scientists.

Since then, the company has experienced outstanding growth and has become a leader in the global PV industry. Today, our high-quality modules provide clean and reliable solar electric power in on-grid and off-grid residential, commercial, industrial and utility-scale systems. With more than 16 offices worldwide, Trina Solar has partnerships with leading installers, distributors, utilities and developers in all major PV markets. Trina Solar's mission is to make the world a better place by providing affordable and reliable solar energy.

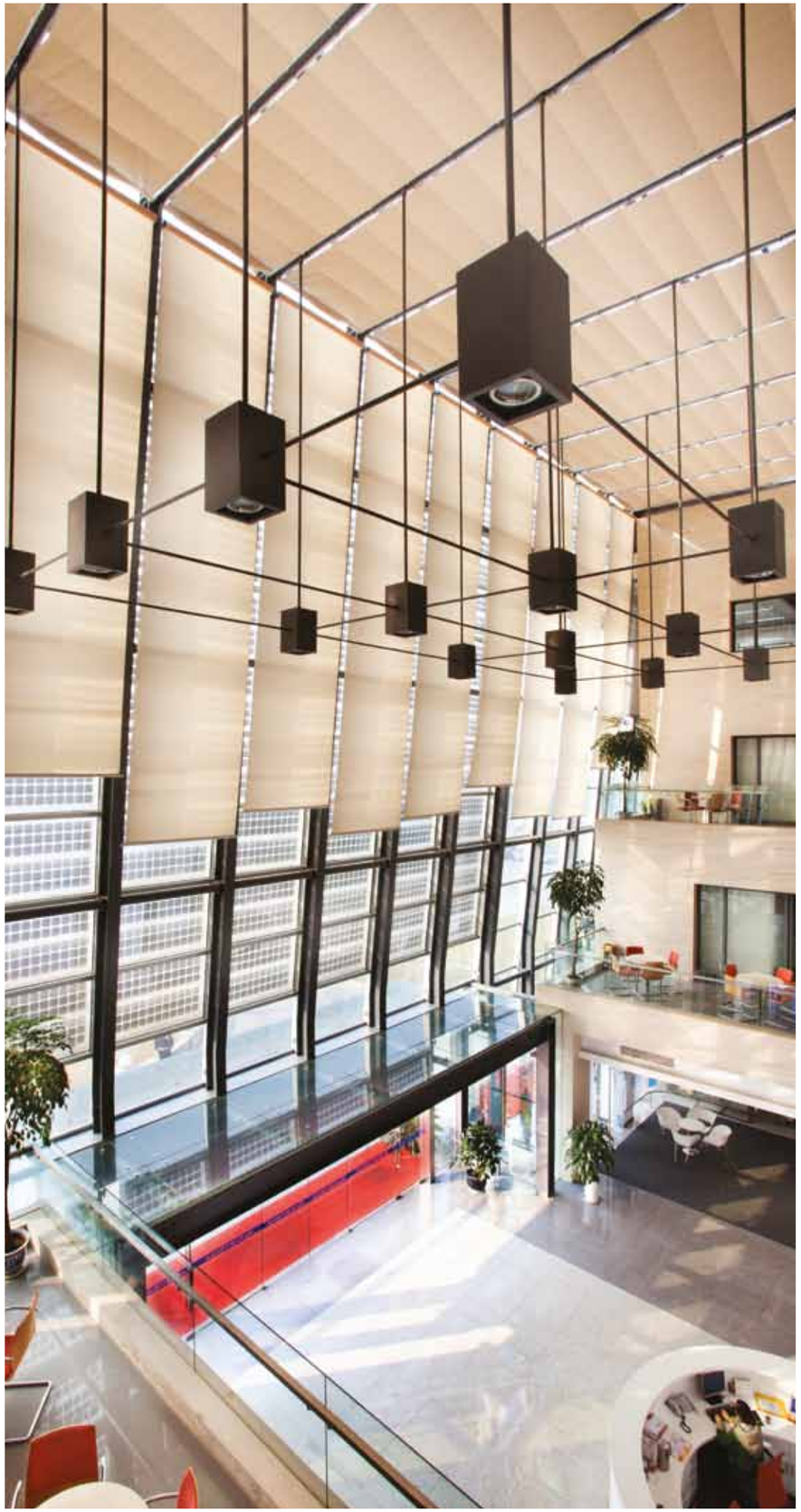
At Trina Solar, we are committed to the ongoing advancement of the efficiency and quality of our products, as well as to aiding our customers in their efforts to accelerate the transition to clean, reliable renewable energy.

FORTUNE

FORTUNE FAST 100

In 2011 Trina Solar was ranked #18 in Fortune Magazine's "100 Fastest-Growing Companies"

Fortune Magazine's list of "100 Fastest-Growing Companies" is published annually and focuses on US-listed companies from all industries. The ranking takes into account profit growth, revenue growth and total return over the preceding 3 years. This is the second year that Trina Solar has made the Fast 100; we ranked #69 in 2010.



COMPANY MILESTONES

1997

- **Founded by Jifan Gao**

2000

- Developed China's first BIPV-integrated structure

2002

- Installed thirty-nine PV power stations in Tibet

2004

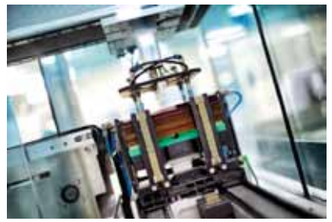
- Participated in the development of China's first renewable energy law

2005

- Established the company's first monocrystalline ingot manufacturing facility

2006

- **Listed on the New York Stock Exchange (NYSE: TSL)**



2007

- Named by Deloitte as the fastest growing company in China's High-Tech sector.
- **Achieved complete vertical integration by launching cell manufacturing facility**

2008

- **Completed the world's largest single rooftop installation in the USA**
- Signed cell supply partnership with Lisa Airplanes
- Ranked in the top 3 in TUV energy rating tests

2009

- **Completed the world's largest rooftop installation in Italy**
- Reached 600MW production capacity
- Recorded second highest module power output at the Desert Knowledge Australia Solar Center

2010

- Installed rooftop solar energy systems on the Belgium and EU pavilions at the Shanghai World Expo
- **Reached cumulative modules shipments of over 1GW**
- Began sponsoring the Lotus F1 team
- Ranked in the top 3 of the Photon Solar Module Test
- Ranked #69 in the Fortune Fast 100

2011

- **Set a new world record for multicrystalline cell power output with "Honey" technology**
- Installed Australia's largest rooftop on-grid system for the University of Queensland
- Opened our Asia Pacific regional headquarters in Singapore.
- Ranked second best PV solar manufacturer on SVTC's Green Scorecard
- Completed construction of PV Park facility R&D Lab
- Ranked #18 in the Fortune Fast 100

2

QUALITY

- The Best $/Kwh
- Center for Excellence
- Environmental Reliability Testing
- Component Testing
- Product Performance
- Resilience
- Customer Service

2

QUALITY

We at Trina Solar strive to deliver only the highest quality products to our customers. Trina Solar adheres to international standards of quality through instituting stringent quality control processes and holding our products to higher standards.

THE BEST $/KWH

To us, the true value of a panel lies in the electricity it generates. Our panels have shown superior performance time and again in independent tests around the world. Choosing Trina isn't just a quality purchase--it's a sound investment. With Trina Solar, you get the best $/kWh.

We put our **modules** through over **36** rigorous **in-house tests**

ENVIRONMENTAL RELIABILITY TESTING

We put a selection of PV modules through extreme environmental testing to ensure reliability and superior performance in even the world's most unforgiving conditions.

- *UV Preconditioning*
- *Impact*
- *Corrosive Atmosphere*
- *Hotspot Endurance*
- *Insulation (Dry, Wet)*
- *Thermal Cycling*
- *Wet Leakage*
- *Damp Heat*
- *Mechanical Load*
- *Highly Accelerated Stress*
- *Humidity Freeze*
- *Outdoor Exposure*

CENTER FOR EXCELLENCE

Our "Center for Excellence" laboratory includes a broad range of equipment used to conduct quality-control tests, product certifications, material reliability checks, and in-depth research. The equipment in the Center is of the same caliber as those used in internationally-recognized, independent testing centers. All testing procedures are done in accordance with UL1703, IEC61215, and IEC61730 standards.

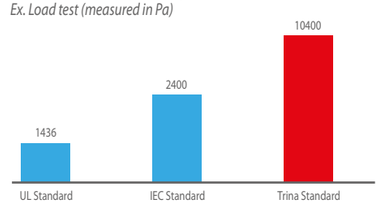
In the Center for Excellence we put our modules through over 36 rigorous in-house tests in order to ensure their reliability and performance. This allows us to confidently stand behind our 25-year output warranty.

COMPONENT TESTING

Trina Solar carefully tests the performance of each module component individually and together in order to maximize electrical output while minimizing the degradation of the module over its lifetime.

- *Bypass Diode Test*
- *Materials and Components Testing*
- *Quality checks throughout*
- *Micro-crack testing*
- *NOCT measurement*
- *Electrical Component testing*
- *Flash testing*

Trina standards vs major testing institutions
Ex. Load test (measured in Pa)

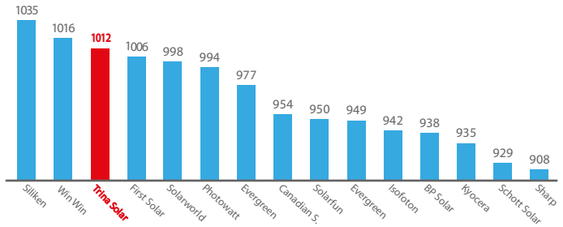


PRODUCT PERFORMANCE

Photon Test

Trina Solar has stood among the world's top performers for four years in a row.

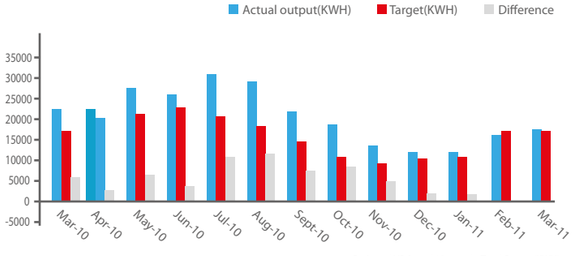
In the 2010 Photon Test, Trina Solar's panels were ranked one of the best performers among a strong selection of products from international manufacturers. Commitment to our customers drives us to continuously improve our products, and the results speak for themselves.



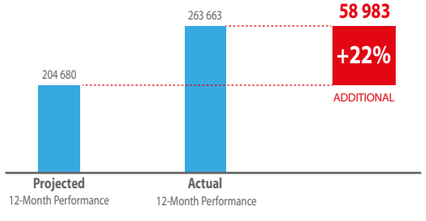
System Performance

The quality of a panel relies on its ability to adapt to any environment and resist all types of stress, as these characteristics ultimately influence the amount of electricity generated over a panel's lifetime.

Trina Solar's products are tested by internationally-recognized laboratories. Out of laboratory, our modules continue to prove their high performance. The actual yield of our modules in an installation in Fustiñana, north of Spain, proved to be 22% higher than what projected.



Projected VS.Actual 12 months Total Output(KWH)



Data from OPDE PV plants
Projected data based on JRC source

Our strong commitment to
our customers
drives us to
continuously
improve
our products

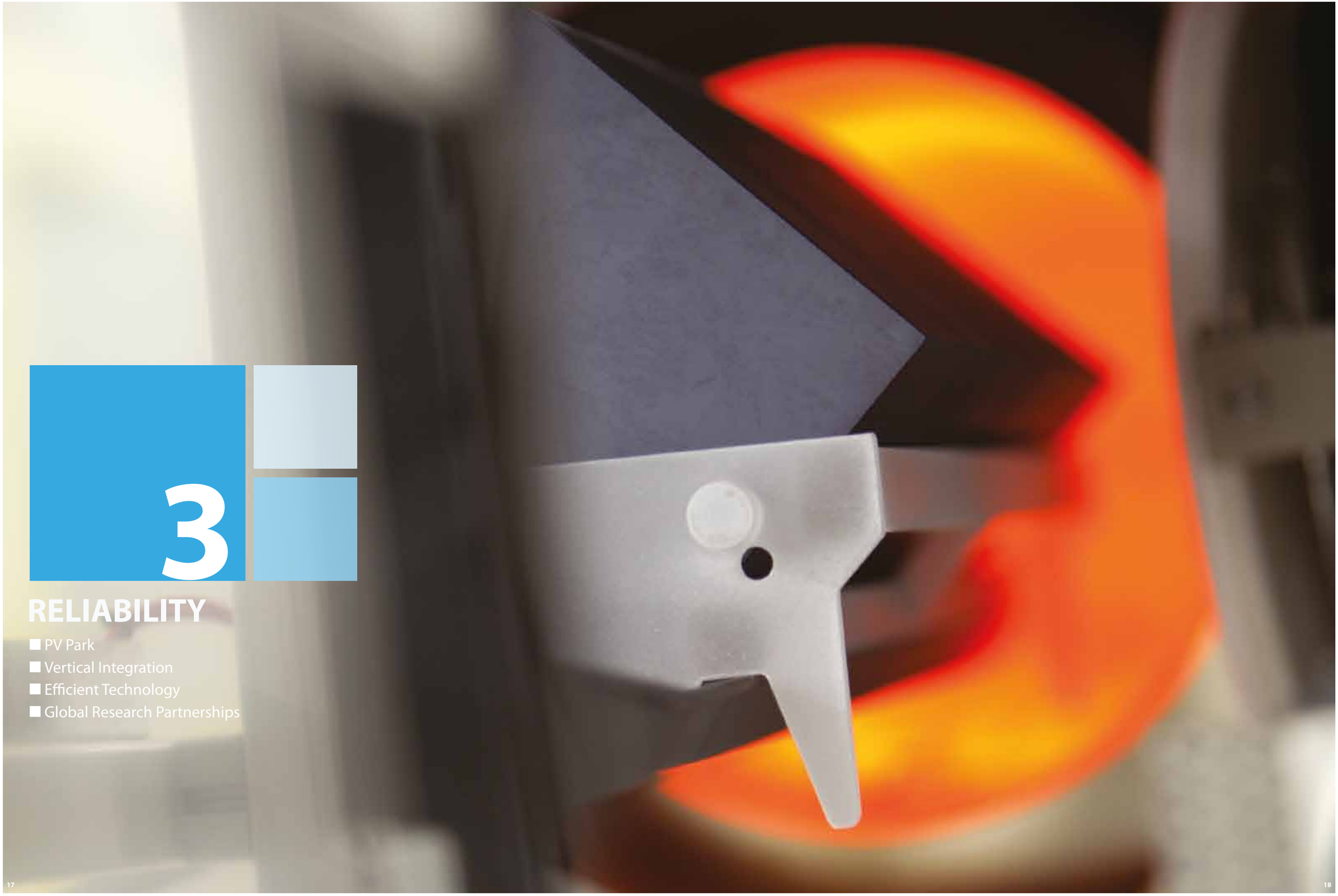
RESILIENCE

Our modules have received ammonia gas resistance certificates and salt mist certificates from TUV Rheinland and Intertek testing services. Trina Solar's high quality mono and multicrystalline PV modules offer exceptional performance and can be installed in almost any climate conditions, including adverse environments with high concentrations of ammonia gas (like farmhouses) or salt mist (like seasides).

CUSTOMER SERVICE

To provide comprehensive service to our customers, we offer comprehensive pre- and after-sales services. This covers our products' electrical and mechanical characteristics, packages, absolute ratings, I-V curves and product dimensions.

We have customer service representatives around the globe who are trained to answer any and all questions about our products. Our local teams of engineers can also provide you with technical assistance for your system. Finally, our local warehouses in Europe and United States allow us to support customers in a timely manner.



3

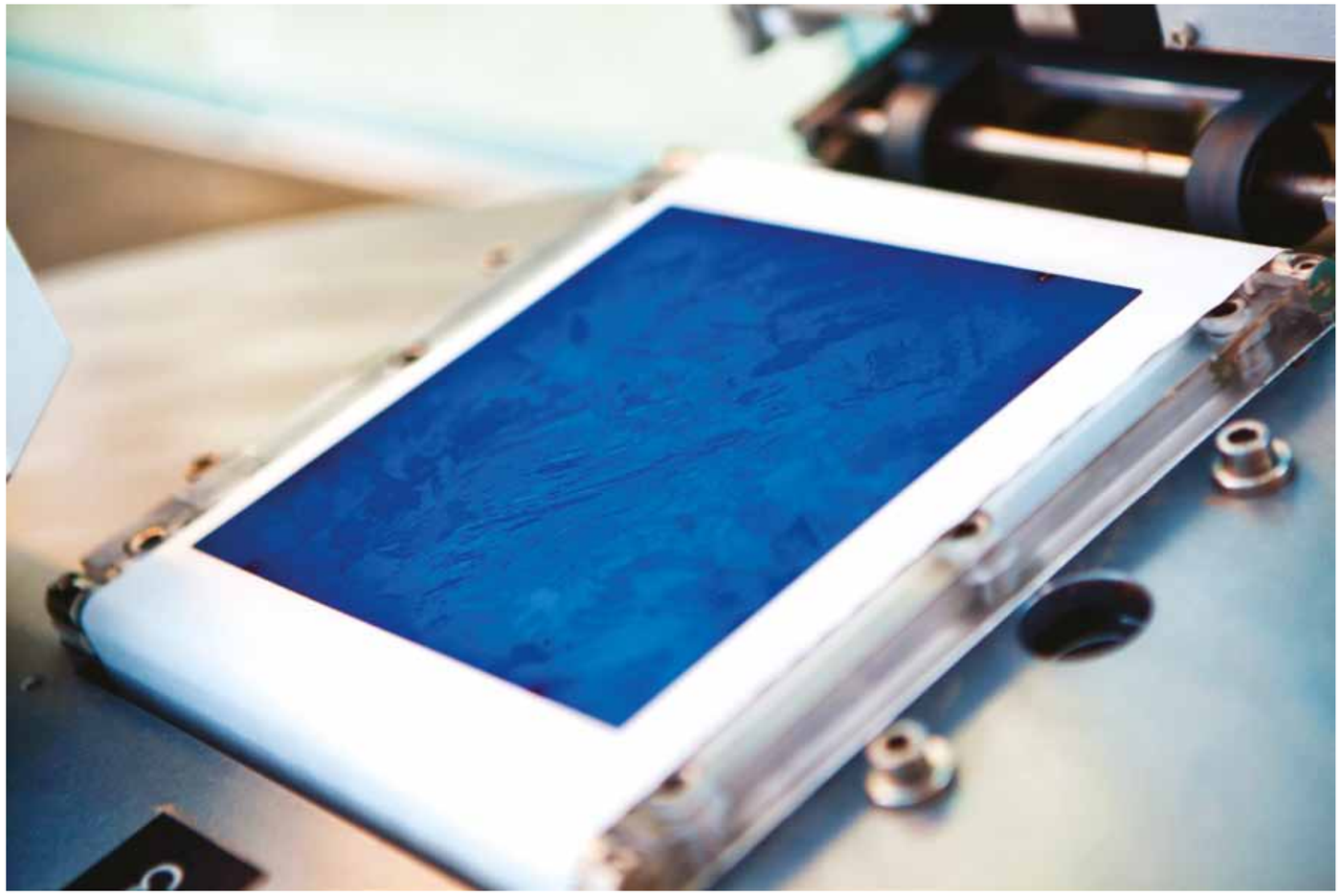
RELIABILITY

- PV Park
- Vertical Integration
- Efficient Technology
- Global Research Partnerships

3

RELIABILITY

Trina Solar maintains a strong sense of professionalism and accountability. The company seeks to build strong relationships with partners who share a commitment to growing the solar PV industry.



PV PARK

All research, development and manufacturing of ingots, wafers, cells and modules is conducted at our facilities in Changzhou, China, where we occupy a site area of approximately 5.12 square kilometers known as the Trina Solar PV Industrial Park. Our West Campus is a single manufacturing campus with more than 1GW of production capacity. In 2011 we completed our East Campus, which increases the degree of automation and vertical integration. We also completed our PV Park R&D Laboratory, a new and larger part of our existing research and development and testing facilities.

This integrated manufacturing model allows us to better control cost, quality, yield, product development and cycle times.

VERTICAL INTEGRATION

With the goal of accelerating the adoption of photovoltaics around the world, Trina Solar has developed a vertically integrated business model. This vertical integration not only allows us to offer our customers competitively-priced products, but it also allows us to monitor quality closely at each step of the manufacturing process. All ingots, wafers and cells are tested in each stage of production, and because they are only minimally-transported, they experience little breakage.

We have **achieved**

20 conversion efficiency %

EFFICIENT TECHNOLOGY

In order to offer our customers the greatest value, Trina Solar invests heavily in research and development. The company is currently working to improve its cell manufacturing processes, which include new, state-of-the-art passivation and metallization techniques. The company has achieved the conversion efficiencies of our mono- and multicrystalline cells to 20% and 19.6%. We are also developing monocrystalline N-type SPARC solar cell that involves printing contacts on the cell's back side to increase front surface exposure to sunlight, while also eliminating front shading losses.

We believe our vertically integrated business model has allowed us to:

- Lower manufacturing costs and offer competitive pricing
- Reduce logistics costs and waste
- Reduce the amount of breakage loss associated with toll manufacturing that typically occurs during shipment between production locations
- Reduce dependence on third party suppliers
- Shorten production cycle and improve value chain coordination
- Reduce reliance on toll manufacturing and capture upstream and downstream profit margins
- Streamline manufacturing processes and improve product quality

GLOBAL RESEARCH PARTNERSHIPS

The road to leadership is paved with strong partnerships. Trina Solar has long-term partnerships with local utilities, distributors, project developers and system integrators in more than 20 countries.

In pursuit of innovation and higher efficiency, Trina Solar collaborates with SERIS, Singapore's national institute for applied solar energy research, to develop cell processing technology. Together, **we are targeting a milestone cell efficiency of 21.5% by 2013** on a test production line basis. We have also signed a research agreement with Australia National University (ANU) to develop industry-ready 20% n-type monocrystalline solar cells and to increase the efficiency of the production of Trina Solar multicrystalline cells.

SERIS
Solar Energy Research Institute of Singapore

ANU
THE AUSTRALIAN NATIONAL UNIVERSITY

4

SUSTAINABILITY

- Responsible Manufacturing
- Corporate Social Responsibility
- Carbon Footprint Verification
- Environmental Responsibility

4

SUSTAINABILITY

At Trina Solar, we are making significant efforts to reduce the waste and pollution created by our manufacturing processes. In order to accelerate the transition to clean, reliable energy, we are continuously working to improve the efficiency and quality of our products, as well as to advance the technology we use.

RESPONSIBLE MANUFACTURING

We deploy our full force of technological, service, and influence resources to confront the sources of climate change, and promote the development of global renewable energy. Trina Solar's vision of success extends beyond our own achievements and accolades. Our aim is to lead the photovoltaic industry through business model and technological innovations, and responsible development.

In recent months, the photovoltaics industry has been hit with multi-faceted challenges marked by swiftly intensified competition, dropping prices and political controversy. To secure the future of photovoltaics, our industry must address the rising challenges to our technologies' relevance, quality and suitability for global needs. Moreover, as an enterprise, we at Trina Solar must ensure that our solutions to these global problems are themselves environmentally and socially sustainable.

Trina Solar is committed to building a foundation for the global reduction of carbon emissions reduction through providing cleaner energy solutions. As we improve the technology and quality of our products, we are also committed to the health and safety of our employees and of the local environment. Our dedication to cultivating a robust culture of environmental, health, and safety awareness has been recognized by third parties. The Silicon Valley Toxics Coalition's annual Solar Scorecard ranks PV manufacturers on their social and environmental responsibility based on measures such as product recycling, worker health and safety issues, chemical use and lifecycle analysis. The Solar Scorecard ranked Trina Solar first among the global solar manufacturers in 2012.

CORPORATE SOCIAL RESPONSIBILITY

Solar photovoltaics present an affordable, reliable and clean way to generate needed electricity for communities off of the energy grid and supplement existing, more expensive electricity generation for those on the grid. As the industry continues to make great progress in improving product efficiencies and bringing down the cost of solar energy, its ability and responsibility to affect positive change in the world grow. We hope that Trina Solar can lead the industry in bringing the energy independence to empower individuals and their communities.

In 2011 Trina Solar donated solar modules to the El Oasis orphanage in Baja, Mexico, the Visezi Medical Clinic in Tanzania, and Victory Junction, a summer camp in North Carolina dedicated to providing safe and meaningful experiences to children with chronic illnesses.

At the Visezi Medical Clinic in Tanzania, solar panels make the difference between only being able to provide basic treatment to people during the day and having the electricity to light rooms, refrigerate vaccines and provide more coverage for the community.

At the El Oasis orphanage and Victory Junction camp, solar panels generate the energy savings that allow them to spend more of their resources on their central causes, whether it be taking in another orphan or helping a chronically ill child feel normal.

We have partnered with the Plant-for-the-Planet Children's Initiative to plant 9,000 trees a year for the next three years, for a total of 27,000 trees.

CARBON FOOTPRINT VERIFICATION

We have obtained Carbon Footprint Verification for our modules from the British Standards Institution (BSI), a leading international standards and certification body.

BSI verified the greenhouse gas emissions during the life cycle of our monocrystalline and multicrystalline solar PV modules. The verification involves assessing the carbon footprint at various stages of the product life cycle, such as the acquisition of raw materials, process activities phase and packaging. In quantifying the amount of CO_2 emitted during the module life cycle, the findings suggest a relatively short carbon payback time, given reasonable assumptions on the carbon offset potentials of the modules during their usage period.

This verification demonstrates Trina Solar's active commitment to sustainable development and a low carbon economy. We strive to continuously reduce the carbon footprint of our manufacturing and commercial operations through technological innovation and efficiency enhancements.

ranked

#1

by the Silicon Valley Toxics Coalition

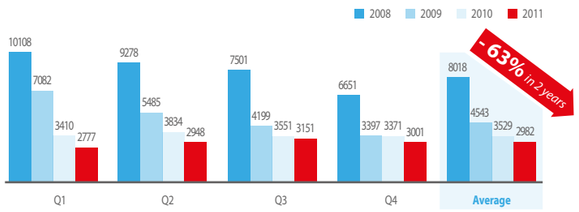
for **social** and **manufacturing responsibility** in the PV industry

ENVIRONMENTAL RESPONSIBILITY

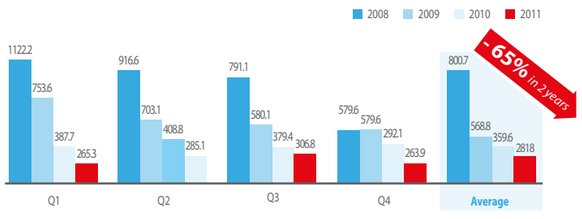
As a global community, our improving standard of living comes at a cost. As we consume greater amounts electricity every day, the question of how we generate that electricity becomes critical. If we continue to rely on fossil fuels and emit ever-greater amounts of greenhouse gases, the damage to our environment and ourselves may become irreversible.

We have worked hard to reduce the waste and pollution caused by our manufacturing processes. We have installed anti-pollution equipment at our facilities to reduce, treat, and recycle the waste generated by our manufacturing processes.

Trina Solar 2011 Quarterly Water Consumption (M^3/MW)



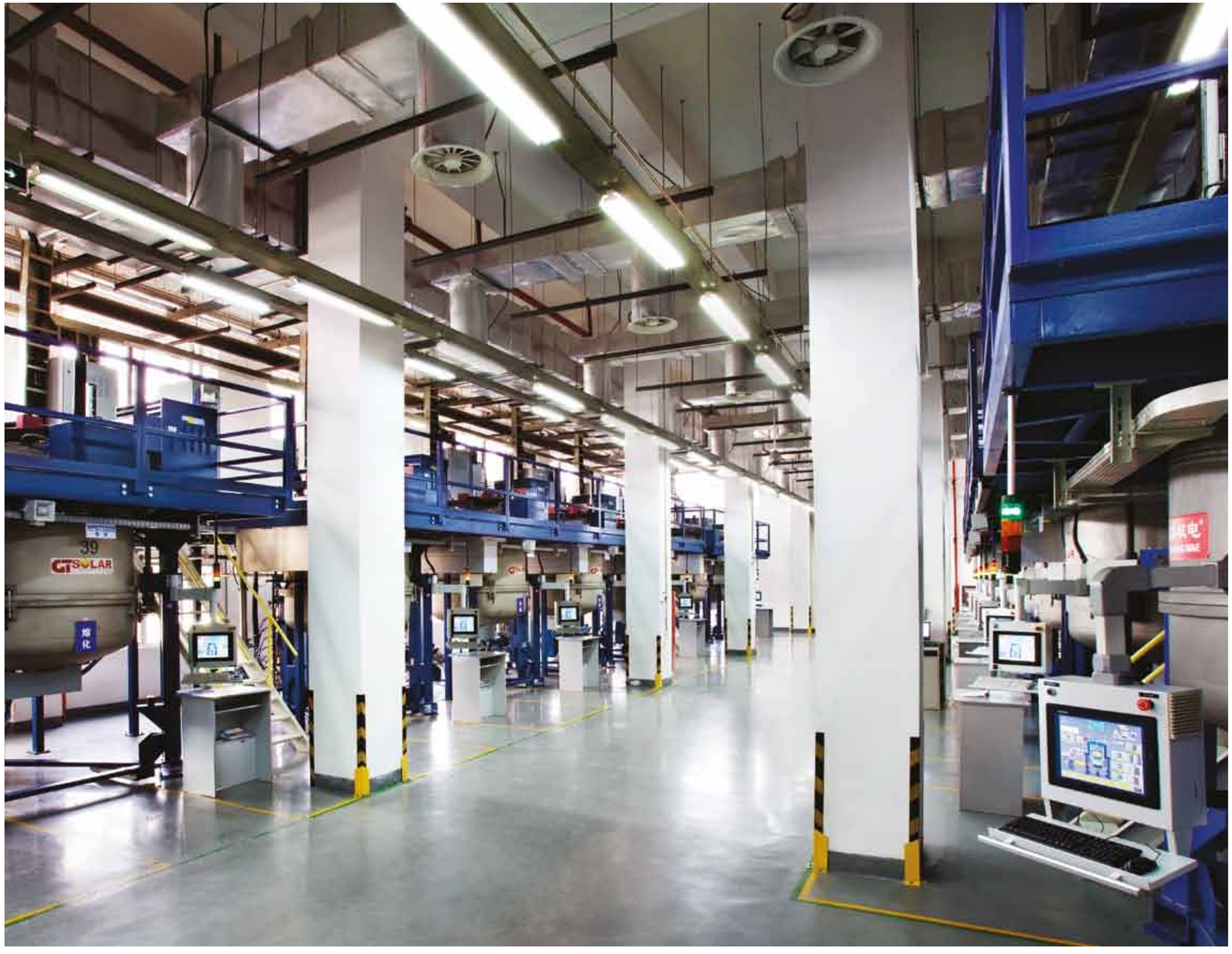
Trina Solar 2011 Quarterly Electricity Consumption (MWH/MW)

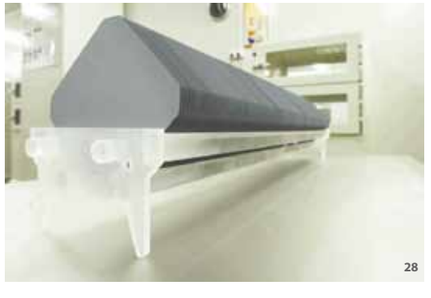


In 2010, we obtained the ISO 14001 Environmental Management Standards certification, reflecting our dedication to minimizing our manufacturing's harmful effects on the environment, and our efforts to comply with regulatory requirements and continuously improve our environmental performance.

In 2011, we received the ISO 14064-1:2006 verification statement from the British Standards Institution (BSI). This statement reaffirms the significant efforts we have made to establish a system to measure, monitor and reduce greenhouse gas emissions.

Climate change knows no boundaries. Together, we need electricity that is environmentally sustainable, economically feasible, and easy to implement on any scale.





5

PROJECT REFERENCES

FRANCE - 18.2 MW

Location:
Les Mées, Alpes de Haute Provence
Completion Date:
January, 2011
Number of Modules:
79,000
Installation Type:
Utility-Scale Ground-mount Installation

Italy - 48 MW

Location:
Canaro, RO
Completion Date:
August, 2011
Number of Modules:
158,306
Installation Type:
Ground-mounted pv plant

Italy – 5.0 MW

Location:
All over Italy
Completion Date:
August 2008
Number of Modules:
More than 21,700
Installation Type:
Car parking shelters along
Italian motorways network

USA – 9.6 MW

Location:
Antelope Valley, California
Completion Date:
February, 2011
Number of Modules:
40,000
Installation Type:
Roof and ground-mounted system

USA – 5.0 MW

Location:
Porterville, California
Completion Date:
February, 2011
Number of Modules:
29,426
Installation Type:
Ground-Mount

CHINA - 10 MW

Location:
Tibet
Completion Date:
May, 2011
Number of Modules:
45,210
Installation Type:
Utility-Scale Ground-mount Installation

Belgium – 40 MW

Location:
Antwerp
Completion Date:
December, 2009
Number of Modules:
around 180,000
Installation Type:
Commercial Rooftop