

EGING PV

PV Technology Forerunner

Diligent inspire Actions, Trust through Honesty, Keenstar to Aspiration



ABOUT EGING



INDUSTRIAL LAYOUT



ADVANTAGES



PARTNERS



PRODUCTS



REFERENCE



STRATEGIC PLANNING



FUTURE VISION



ABOUT EGING

PV TECHNOLOGY FORERUNNER

- Global Tier 1 module manufacturer
- China TOP 10 PV Brands
- Continuously supply to 9 major central power enterprises with high quality PV modules
- Focus on leading PV technology, the largest supplier of China “PV Forerunner Projects”
- Professional PV manufacturer, compatible with latest M6/M10/G12 technology

 **2003**

EGing 1.0 Era

**EGing PV was
Founded**

 **2011**

EGing 2.0 Era

**IPO on Shanghai
Stock Exchange Market**

 **2019**

EGing 3.0 Era

**EGing PV was held by
KEENSTAR Group**





EGING PV

OPERATING STATUS



Annual operating
income in 2020

\$ 640 Million



Total assets in 2020

\$ 1173 Million



Stock code

600537



Employees

3000+



Accumulative global
shipment volume

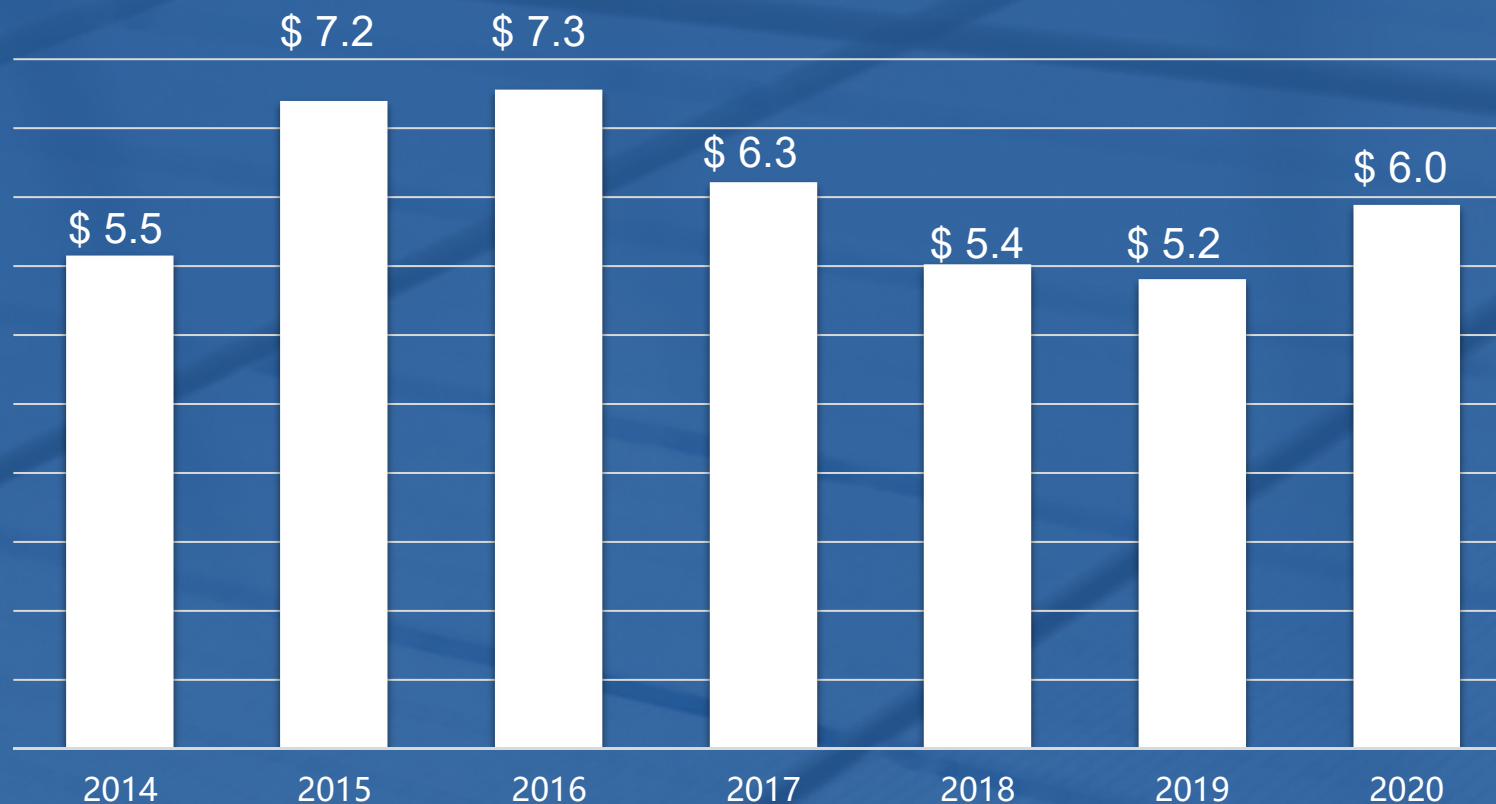
20GW



Chinese Private
Enterprises

Top 500

OPERATING INCOME (Unit: 100 million)



* Stable operating with annual operating income in recent years about: **\$ 625 Million**

ENTERPRISE CULTURE



Enterprise Spirit

- Diligent inspire Actions, Trust through Honesty, Keenstar to Aspiration.



Three Principles

- Protect owner's equity, Safeguard operator's interests, Care for employees.



Enterprise mission

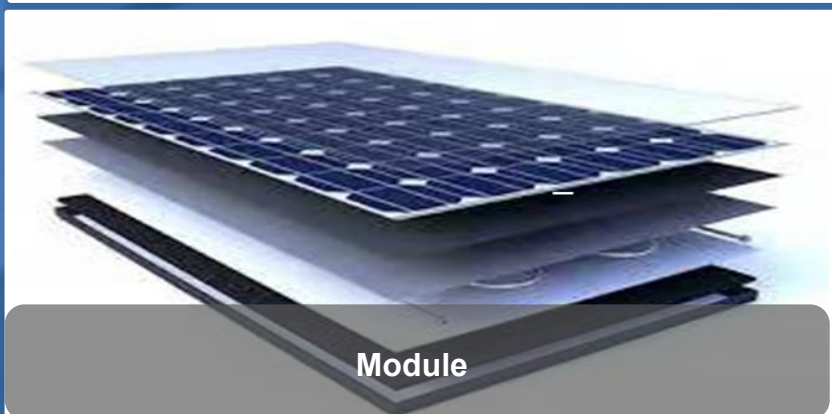
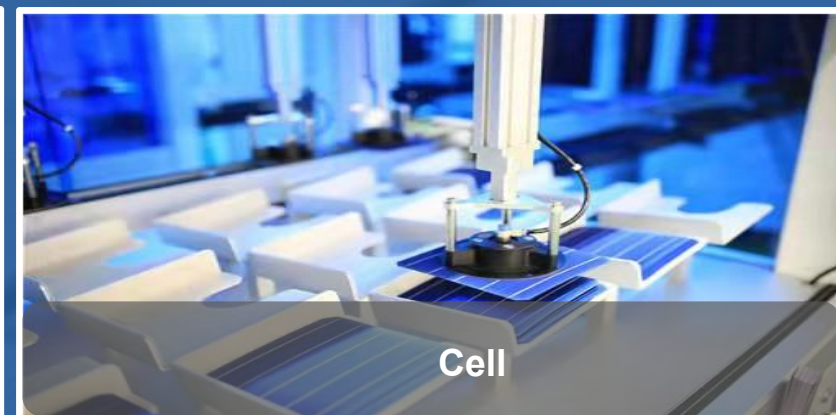
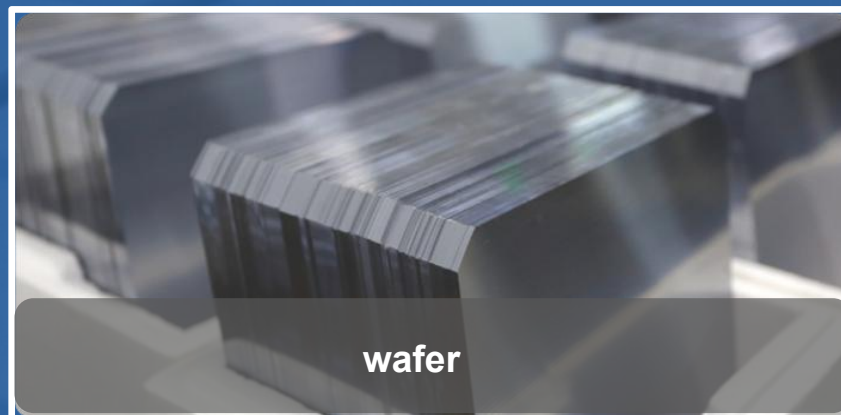
- Build a community of shared interest, development and future with partners, employees and the society.



INDUSTRIAL LAYOUT

INDUSTRIAL VERTICAL INTEGRATION

EGing developed a vertically integrated business model. Production from ingot to module allows EGing the opportunity to capture all the know-how and conduct continuous improvement to deliver product with reliability and guaranteed performance. Vertical integration also helps EGing to maintain a low cost competitive advantage to continually optimize the production process flow and to make possible total control of quality throughout the supply chain.



GLOBAL MARKETING NETWORK



* The accumulative shipment volume by the end of December, 2020 is **20GW**



CORE ADVANTAGES

CORE ADVANTAGES



**Reliable
Established
Brands**



**Technical
Forerunner**



**Cutting-edge
Production
Line**



**Solid
Backing**



**After-sale
Service**

18 years' history

Listed on Shanghai Stock Exchange Market

50% \pm debt ratio

Long-term debt ratio of about 50% by reasonable leverage ensures stable operation development

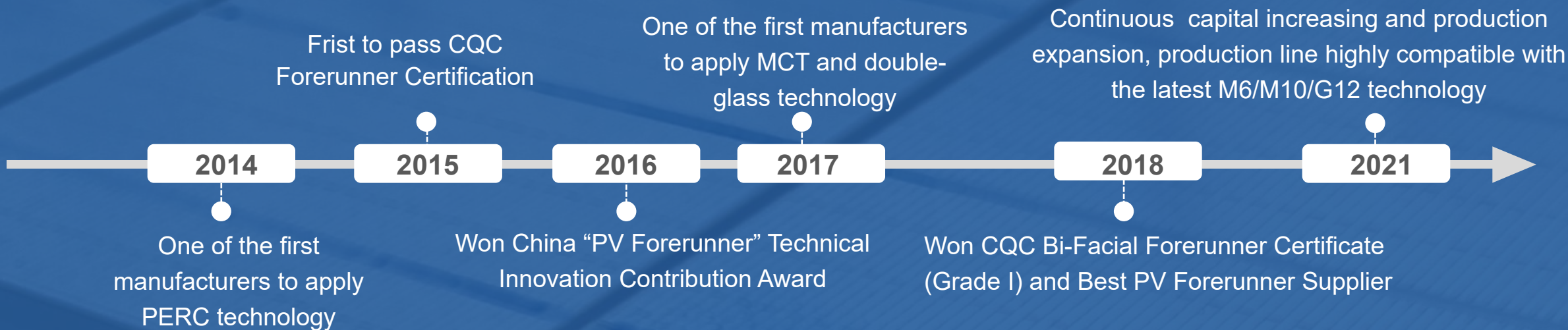
NO.1 customer reputation

100% Key clients' satisfaction



**RELIABLE
ESTABLISHED BRAND**

TECHNICAL FORERUNNER



TECHNICAL FORERUNNER

DR Laser



EGING PV

- EGing was permitted to run POSTDOCTORAL PROGRAMME in China in 2008.
- The module test lab passed TDAP Plan of German VDE test organization and become a mutually recognized one in 2010.
- The module test lab gained national lab recognition certificate from China National Accreditation Service for Conformity Assessment (CNAS) in 2011, being one of the first PV labs to gain CNAS Recognition.
- EGing PV established strategic cooperation with TUV Rheinland, i.e. the TMP Witness Lab in May, 2020.

常州亿晶光电科技有限公司
博士后科研工作站
POSTDOCTORAL PROGRAMME

人力资源和社会保障部
全国博士后管委会 制发
二〇〇八年六月

江苏省太阳能材料
工程技术研究中心

Jiangsu Solar Energy and Materials Engineering Technology Research Center

江苏省科学技术厅
JIANGSU DEPARTMENT OF SCIENCE AND TECHNOLOGY

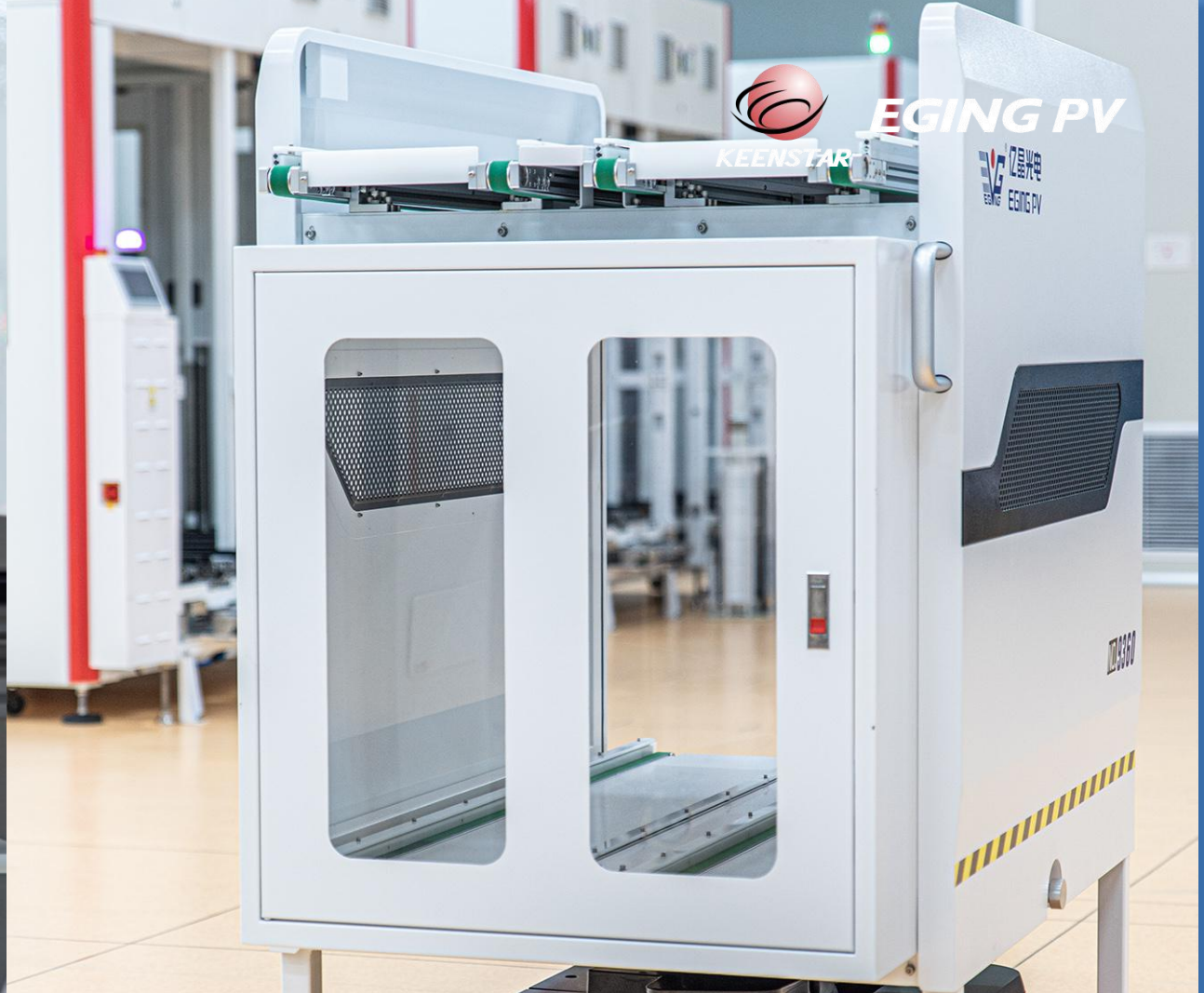


EGING PV

CUTTING-EDGE PRODUCTION LINE

(All products have passed various first-class certification tests in the world)





CUTTING-EDGE PRODUCTION LINE (Cell LAB)

- MES+AGV intelligent management mode in Phase II realizes digital and automatic running
- Develop advanced Topcon and HJT technology by cooperation



CUTTING-EDGE PRODUCTION LINE (Module LAB)

- The Intelligent production line with full-automatic optical testing device (AI technology based) smartly tests the module defect, increases test efficiency and improves product yield rate.
- The intelligent production line adopts precise positioning welding to enable millimeter-class precise positioning for MBB module production.



KEENSTAR GROUP

Over \$156 Billion land banking

KEENSTAR, founded in 1997, adheres to spirit of “Diligent inspire Actions, Trust through Honesty, Keenstar to Aspiration” and three major principles of “Protect owner’s equity, Safeguard operator’s interests and Care for employees”. After over twenty years’ stable development, we become a diversified group led by real estate development and also the urban renewal, energy technology, financial investment, urban water supply, eco-tourism, cultural education, commercial operation and property management, etc. We now have solely-invested and holding enterprises in many cities, including Shenzhen, Guangzhou, Hong Kong, Changsha, Changzhou, Heyuan, Zhuhai, Foshan, Dongguan, Zhongshan and Huizhou, etc.

SOLID BACKING



Real Estate
Development



Urban
Renewal



Energy
Technology



Financial
Investment



Eco-tourism



Cultural
Education



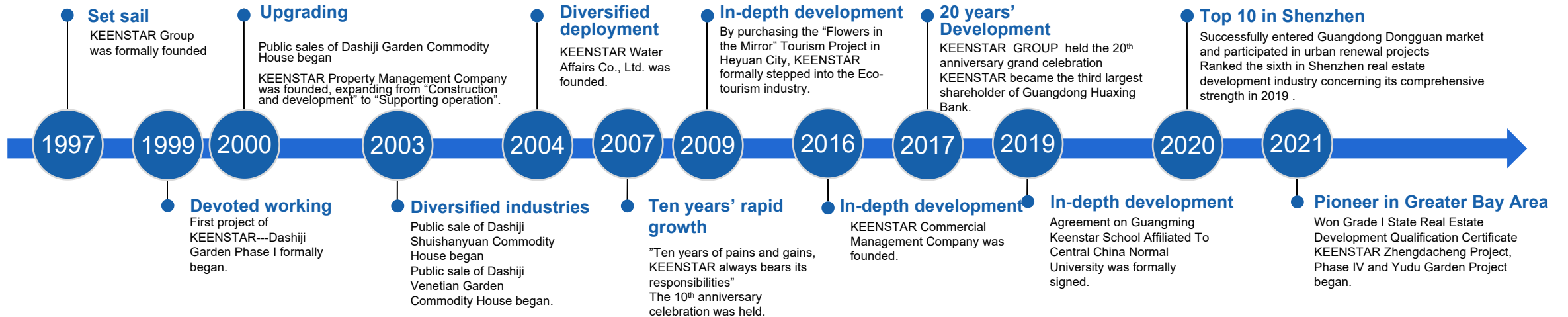
Urban Water
Supply



Commercial
Operation



Property
Management





Real Estate Development

KEENSTAR takes real estate as main business, including residential community, large-sized urban complex, eco-villas, commercial center and office building, etc. For many years, KEENSTAR makes deep research into the owners' life styles and their demands and spares no efforts to create a better living environment for them from community planning, layout innovation, decoration and collection and smart home, etc.

Project case



KEENSTAR Dashiji
Shuishanyuan



Urban Renewal

KEENSTAR is a pioneer in urban renewal field in Shenzhen. Taking "Grow with the City" as core idea and actively advocating "City-industry integration", KEENSTAR integrates internal and external resources in all rounds, connects upstream and downstream industries, provides customized solutions for different cities, rebuilds urban value and improves living quality, etc. The renewal projects include high-quality residence, Level-A office building and commercial complex, etc., from which KEENSTAR gains rich experience. KEENSTAR will further devote itself into the urban renewal field in Guangdong-Hong Kong-Macao Greater Bay Area(China Greater Bay Area) in the future to build a high-quality living environment and enhance regional value upgrading.

Project case



22nd Century in Baoan
District, Shenzhen



Energy Technology

Following the global development trend of renewable and new energy, KEENSTAR makes strategic layout in new energy field, especially the PV industry; actively devotes itself into new energy industry; bears social responsibilities in energy structure adjustment, energy-saving and emission-reduction fields in China to contribute more to the society. KEENSTAR is the first largest shareholder of EGing PV Technology Co., Ltd, a company listed on Shanghai Stock Exchange specializing in solar cell and module production.

Main business



Jiangsu EGing PV



Financial Investment

KEENSTAR made strategic investment in Guangdong Huaxing Bank and became the third largest shareholder of the bank in 2017.

Main business



Guangdong Huaxing Bank



Eco-tourism

The “Flowers in the Mirror” scenic spot at Wanlv Lake of Heyuan City operated by KEENSTAR Tourism is an AAAA scenic spot and the environmental education base of Guangdong Province. KEENSTAR spares no efforts to build this scenic spot with Xiangshui Holiday Resort (under construction) into a first class integrated tourist resort.

Project case



“Flowers in the Mirror” scenic spot



Cultural Education

KEENSTAR Education Company was founded in 2019, which engages in cultural education development relying on its education brand and resources from domestic and oversea top higher learning institutions. Supported by industrial advantages of KEENSTAR Group, it devotes itself in South China Region to provide full-chain internationalized leading education service in both basic and higher education stages.

Main business



KEENSTAR Education

Urban Water Supply

KEENSTAR Water Affairs Co., Ltd. was founded in 2004 and has become a comprehensive enterprise mainly focusing on water supply after years of development. The water supply area covers about 330 km² and over 80% residents in Heyuan City. The Company has been honored as “Contract-abiding and Promise-keeping Enterprise of Guangdong Province” for 29 consecutive years.

Main business



KEENSTAR Water Affairs

Commercial Operation

KEENSTAR Commerce was founded in 2016. It pursues commercial asset value promotion based on rich and advanced operation experience. KEENSTAR Commerce insists on operation ideas of “service-oriented, customer-centered, quality-based and innovation-focused” to pursue development and spares no effort to standard out from commercial real estate industry.

Main business



KEENSTAR Commerce

Property Management

KEENSTAR Property Management Company was founded in 2000 with management scope of office building, commercial complex, luxury villas and residential area, etc. in China Greater Bay Area. Now the company has passed certification of quality management system, environmental management system and occupational health and safety management system.

Main business



KEENSTAR Property Management



Response within 24 hours
7*24*365 full-time after-sale service



On-site technical support team
providing 200+ days on site service each year



Pay quality return visit
regularly to ensure safe quality

HIGH-QUALITY AFTER-SALE SERVICE



PARTNERS

PARTNERS



Build a low carbon world with the central enterprises



PRODUCTS

*what you see is
what you get !*



Star Series

390~550W (182 cells)

- Leading efficient packaging technology
- Mature supporting system
- Super lower power degradation with annual degradation $\leq 0,45\%$
- Super lower LCOE, 6% LCOE reduction compared with 450Wp modules

*what you see is
what you get !*

Aurora series

585~670W (210 cells)

- Leading efficient packaging technology
- Higher power, Lower Voc leads to 34% increasing of string power
- Super lower power degradation with annual degradation $\leq 0,45\%$
- Super lower LCOE, 6% LCOE reduction compared with 450Wp modules



REFERENCE



EGING PV



Project type
Fishery-PV Project

Owner
EGing PV

Installed capacity
160MW

Installation place
Jintan City, Jiangsu

Grid-connected time
June, 2015



Project type
PV Project in Desert

Owner
SPIC

Installed capacity
300MW

Installation place
Dalate, Inner Mongolia

Grid-connected time
August, 2018

**The world's largest PV
graphics power station**



Project type
**PV Project for
Poverty Alleviation**

Owner
SPIC

Installed capacity
30MW

Installation place
Aba , Sichuan

Grid-connected time
March, 2019



EGING PV



Project type

PV Project for Agriculture

Owner

SPIC

Installed capacity

30MW

Installation place

Pingjing, Guizhou

Grid-connected time

April, 2015



Project type
**Floating-type
PV Project**

Owner
CHINA HUANENG

Installed capacity
320MW

Installation place
Dezhou City, Shandong

Grid-connected time
September, 2020



Project type
Residential PV Project

Installed capacity
5KW

Installation place
Holland

Grid-connected time
March, 2014



EGING PV



Project type
Ground PV Project

Installed capacity
75MW

Installation place
Vander Park, Denmark

Grid-connected time
September, 2014



Project type
Ground PV Project

Installed capacity
9MW

Installation place
Mecklenburg, Germany

Grid-connected time
2013



Project type
Ground PV Project

Installed capacity
4MW

Installation place
Koethen, Germany

Grid-connected time
2012



Project type
Ground PV Project

Installed capacity
30KW

Installation place
Hokkaido, Japan

Grid-connected time
May,2013



Project type
Ground PV Project

Installed capacity
500KW

Installation place
Tomisato-shi, Japan

Grid-connected time
2013



STRATEGIC PLANNING

SUSTAINABLE DEVELOPMENT STRATEGY



Capacity Expansion

- Insist on development strategy of industrial vertical integration
- Realize stable capacity expansion



Site Application

- PV+ Agriculture
- PV+ Building
- PV+ Energy storage



Global layout

- Occupy about 60% oversea sales share
- Plans on global intelligent manufacturing base

08

ENTERPRISE VISION

To be a global leading supplier in PV intelligent manufacturing and smart energy solution.



THANKS !