



SUSTAINING INNOVATION SINCE 1960



ABOUT HT-SAAE

HT-SAAE is owned and operated by China Aerospace Science Technology Corporation (CASC), a government owned enterprise established in 1956.

Engaged to research, design and manufacture commercially viable space launch systems for domestic and international satellite services.

HT-SAAE established in 1960 to develop solar technology for Satellite program.

At the beginning of the 21st century in 2000, HT-SAAE began to transfer Aerospace PV technology to commercial applications.

CASC ranked No.307 of 2021 Fortune Global.





GLOBAL DISTRIBUTION





4 factories around world

12 world sales offices

1960s Start of Solar Technology R&D Sustaining Innovation Since 1960

1970 1st Satellite launched

1999

of PV technology





2002 Undertook the national "Bright Project" and built 42 power stations Commercial application in Tibet, totaling 1.2MW



2004 HT-SAAE branch launched in Japan



2005

Shanghai Solar Energy Research

Center established

2008 First MW power station developed by HT-SAAE in Italy



2010 Shanghai World Expo Center 1MW Project completed



2012

integrated

production

capacity

Establish vertical

2013 No.2 EPC in China No.4 EPC Worldwide

2014 Top 10 Chinese PV module supplier; Certified by TUV Rheinland.



2015 PV vertical capacityreaches GW level. Awarded "Bloomberg TIER 1 Module Maker"

Bloomber EW ENERGY FINANCE

2016 HT Solar Energy A.Ş established in Turkey



2019 Meets stringent PICC and Lloyd's Insurance Partner cretieria

2020

Passed UL 790 & IEC 61730 Class A fire prevention test.

::-PVEL PV MODULE -RELIABILITY SCORECARD

—2020 TOP PERFORMER—





2021-2022

Top Performer in PVEL "2020-2022 PV Module Reliability Scorecard".



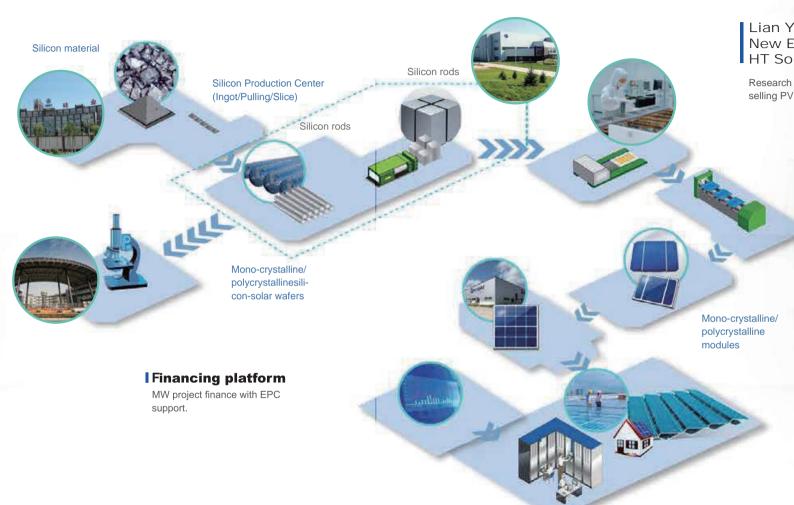
ORISI Silicon Co., Ltd.

HT-SAAE created PV Industry Manufacturing Base in Inner Mongolia.

Shanghai Solar Energy Research Center (R&D)

The research center focuses on research, development and application for solar PV technology.

HT-SAAE GROUP COMPLETELY
INTERGRATED PV SUPPLY CHAIN



Lian Yungang (Modules) Shenzhou New Energy Co.,Ltd. HT Solar Energy A.S.

Research & development, producing and selling PV modules worldwide.

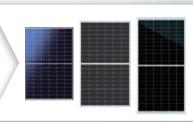
■ Shanghai Solar Energy S&T Co., Ltd.

- Constructed over 600 PV power stations around the globe
- The installed capacity of EPC projects is above 1GW.
- Operation and maintenance management capacity exceeds GW level

PRODUCT LINE

HT-SAAE is a vertically integrated manufacturer with quality control over every step of the manufacturing process, from silicon crystallisation to module deployment.

















Triple EL Tested
PICC and Lloyd's Insurance Covered



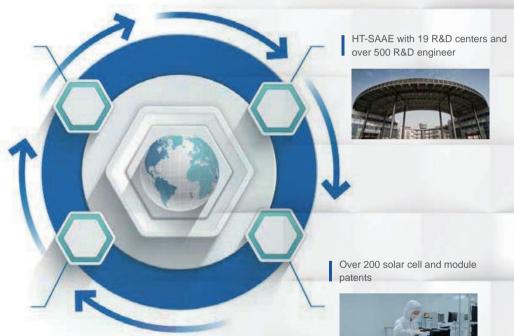
HT-SAAE has advanced production lines will fully automated equipment and standard operating procedures to guarantee quality.

To meet demand, the company offers an extensive product portfolio, delivering broader prospects for clients.

RESEARCH & DEVELOPMENT

HT-SAAE with expert engineering and research facilities dedicated to satellite system.





HT-SAAE owns 50 independent intellectual property for cell & module.



PROJECT REFERENCES







- 1. 7.0MWp Angri, Turkey
- 2. 5.7MWp Osmaniye, Turkey
- 3. 11MWp Italy
- 4. 12.7MWp Afyon, Turkey

- 1. 4.4MWp New Jersey, USA
- 2. 26.78MWp Maryland, US
- 3. 37MWp Bingöl, Turkey
- 4. 6MWp Kırşehir, Turkey

YOUR BEST CHOICE FOR EXCEPTIONAL VALUE AND HIGH PERFORMANCE PANELS.

