

To Provide Low-cost, High-quality, and Clean Energy!

CosinSolar

QUARTERLY UPDATE

Q3, 2024



WHO WE ARE >>>

Global Leading Provider for Molten Salt Tower CSP

Cosin Solar Technology Co., Ltd. ("Cosin Solar"), was founded in 2010 with its headquarter in Hangzhou, China. As one of the pioneer and leading enterprise in China devoted in the promotion of research and industrialization of CSP technology, we are now specialized in the application of CSP, CSP+ hybrid solution and molten salt thermal energy storage technologies. We are able to provide our customers with advanced, mature, and cost-competitive CSP and molten salt energy storage products and solutions.

14 Years

Continuous Research

117 Million USD

R&D Investment

3

Business Domain

55.3%

Market share in China
(*CT CSP Busines)

400

Patents

400 Applications
Including 293 invention patents
232 Authorized
Including 160 invention patents

33

Standards

Leading IEC international standards 2
Participated in 5 IEC international standards
Leading the national standards 5
Participate in 5 national standards
Industry, group standards 16

6

Technical Award

First prize of provincial and municipal
science and technology progress

SolarPACES 2020 Technology Innovation
Award
(the only independent winner in Asia)

31

**National and Provincial
Research Projects**

Undertake the second phase of the
World Bank China Renewable Energy
Scale Development Project (CRESP)



WHAT DO WE DO

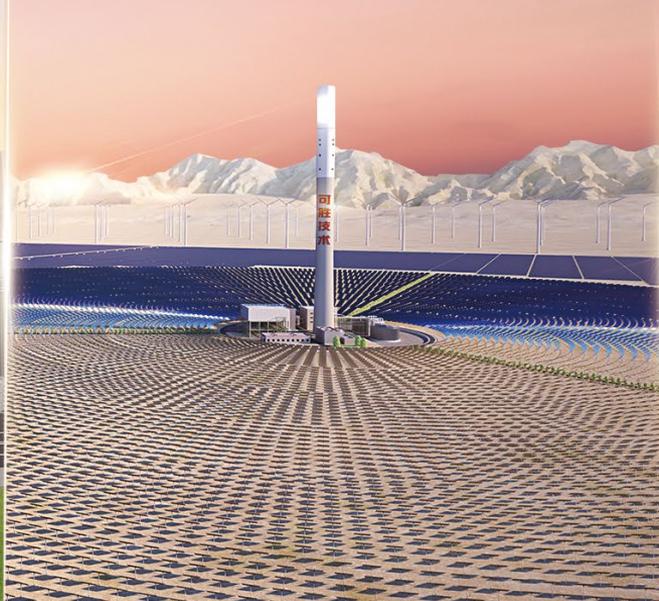
MSES

Integrated Energy Solution
Based on MSES



CT CSP

Total Solution of Molten Salt
Tower CSP



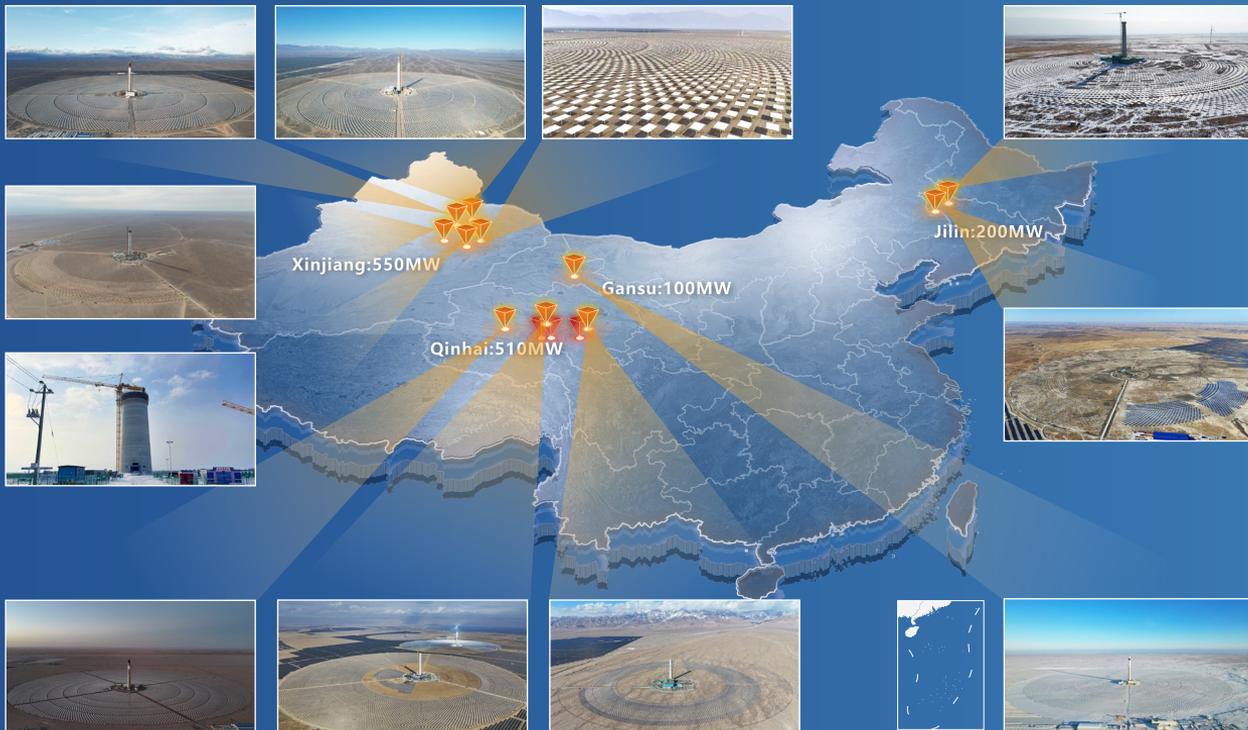
PV

Comprehensive Solution for
Smart PV Tracking System



Total Solution of Molten Salt Tower CSP

Extensive experience in construction and operation of large-scale commercial tower CSP plants



The world's only

Tower CSP technology provider with a track record of over **1GW**

1360MW
Tower CSP installed capacity

Tower CSP Projects Under Operation

110MW
3 Tower CSP Projects

Tower CSP Projects Under Construction

1250MW
11 Tower CSP Projects

UNDER CONSTRUCTION

100MW

Jinta ZhongGuang Solar "CSP + PV" Hybrid Pilot Project 100MW CSP Project

The important engineering nodes of the project have been completed in succession, including 25,594 sets of heliostats installation, the receiver body hoisting, turbo-generator's stator hoisting and the civil works. The main installation project of the island is in progress, and the installation of the MS storage tank has been basically completed.



100MW

CTGR Qin Hai Qingyu DC 100MW CSP Project

All 23,731 sets of heliostats were assembled for the CTGR Qin Hai Qingyu DC 100MW CSP Project, being constructed by Cosin Solar. Since the assembly of the first set of heliostat on October 17, 2023, all heliostat assembly tasks have been successfully completed in about seven months (excluding a one-month winter break).



100MW

ENERGY CHINA ZTPC Xinjiang Turpan CSP + PV Integrated Project (100MW CT CSP)

On October 18, all heliostats for ENERGY CHINA Xinjiang Turpan CSP + PV Integration Project 100MW CT CSP Project (the "Project"), being constructed by Cosin Solar as a member of the EPC consortium, was successfully assembled and rolled off the assembly line, marking another major breakthrough in the project.



100MW

CHN Energy Qinghai Qingyu DC 100MW CSP Project

Until the end of October 2024, the 14,536 sets of heliostats have been installed for the CHN Energy Qinghai Qingyu DC 100MW CSP Project, being constructed by Cosin Solar. And the Suction tower 188 meters capped.



100MW

CGN New Energy Delingha 1GW Hybric Project (200MW CT CSP)

Until the end of October 2024, the 5,486 sets of heliostats have been installed for the CGN New Energy Delingha 1GW Hybric Project (200MW CT CSP), being constructed by Cosin Solar. And the Suction tower 188.5 meters capped.



100MW

SPIC Xinjiang Turpan Shanshan Qiketai 100MW CSP Project

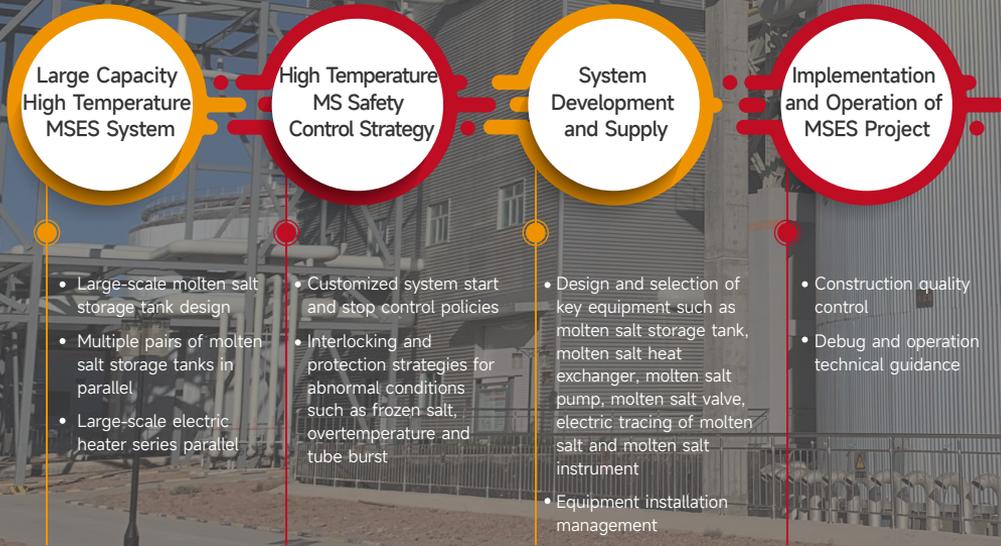
Until the end of October 2024, the 12,685 sets of heliostats have been installed for the SPIC Xinjiang Turpan Shanshan Qiketai 100MW CSP Project, being constructed by Cosin Solar. And the heat absorber steel structure is being installed.



Integrated Energy Solution Based on MSES

Cosin Solar has developed a comprehensive set of solutions based on large-scale wide-temperature MSES. These solutions cover MSES technology, independent design of key system equipment, system equipment integration and supply, etc.

Core Competence



260MW
MSES installed capacity



SUPCON SOLAR Delingha 10MW Molten Salt Tower CSP Plant



SUPCON SOLAR Delingha 50MW Molten Salt Tower CSP Plant

Jinta ZhongGuang Solar "CSP + PV" Hybrid Pilot Project 100MW CSP Project



Luneng Fukang Hybrid Project (new energy marketization and grid connection project) 100MW CSP Project



Comprehensive Solution for Smart PV Tracking System

Based on more than 10 years of independent design, development, manufacturing and operation of high-precision intelligent tracking products, Cosin Solar has actively expanded and extended the industrial chain, carried out technological innovation, and successfully developed Cosin Solar PV tracking system well suited for harsh environmental conditions. What's more, it has been successfully applied in commercial projects.

Cosin Solar Tracking System —Horizontal Single-Axis PV Tracker



PT Tracking System



PJ Tracking System

 UNDER OPERATION

Zhejiang Energy Ningdong 150MW
Composite PV Power Generation Project

 China · Ningxia

50 MWp

 UNDER CONSTRUCTION

Jinta Zhongguang Solar "CSP + PV"
Pilot Project

 China · Gansu

260 MWp

NEWS IN BRIEF



SolarPACES 2024



On October 8, SolarPACES 2024 opened in Rome, Italy. Cosin Solar was invited to attend and show the strength of the company to the world. As one of the reliable technology providers for Molten Salt Tower CSP Plant, Cosin Solar has been focusing on the R&D, equipment and engineering of Tower CSP and Molten Salt Energy Storage technology, with an aim to use advanced and efficient CSP technology to provide high-quality and low-cost clean energy.



- The former SUPCON SOLAR, officially renamed into Cosin Solar Technology Co., Ltd. ("Cosin Solar" for short) in July 2021
- Founded in 2010, focus on tower CSP and energy storage technology
- Independent R&D with fully patented technology and homebred equipment
- Technology consultancy, equipment integration, engineering services, etc
- Development, investment, construction, commissioning, operation of projects, etc

 Youtube: Cosin Solar

 Twitter: @CosinSolar

 Website: www.cosinsolar.com