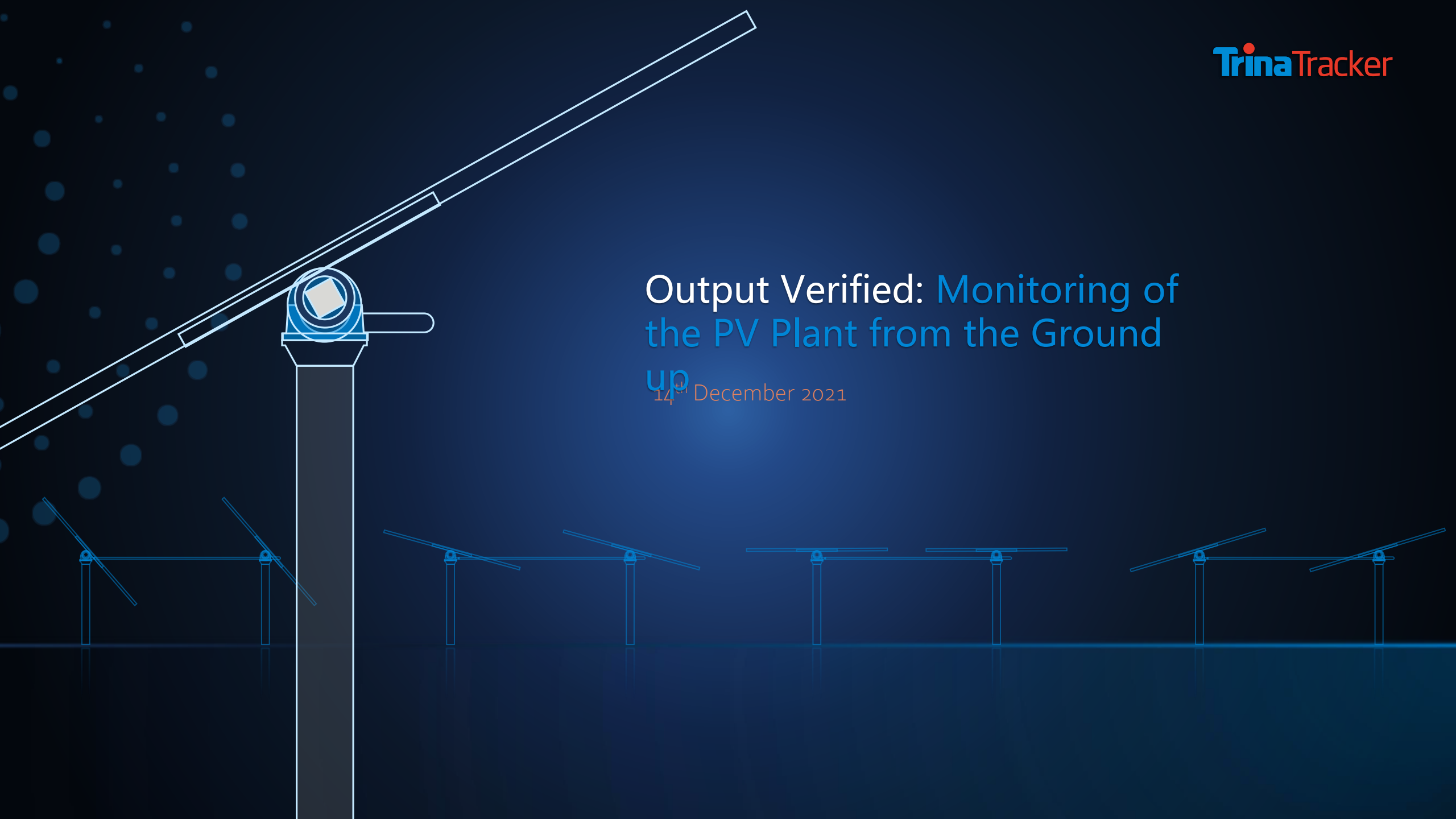


Output Verified: Monitoring of the PV Plant from the Ground

up
14th December 2021



ACHIEVEMENTS

Over **17** Years
Experience

40 COUNTRIES
Across 5 continents

7 GW+
GLOBAL INSTALLATIONS

● Offices & Branches

Spain / France / UAE / United States / Mexico / Brazil / Chile / Australia / China

● Production centers

Spain / Brazil / Argentina / China

STATE-OF-THE-ART TRACKER DESIGN ADAPTED TO ANY CONDITIONS

Irregular Site Layout



Uneven Terrain



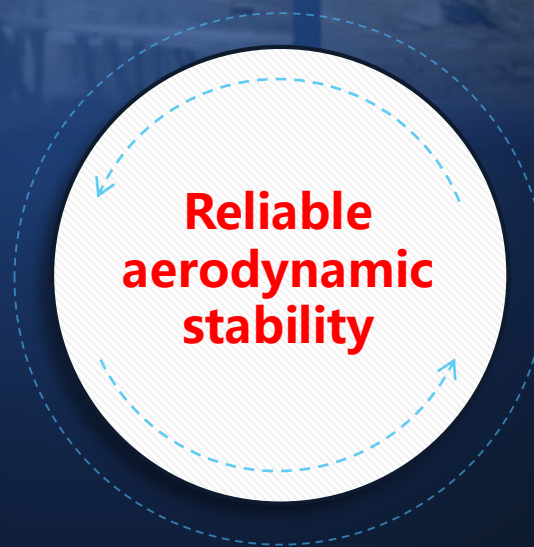
Strong Wind Region



Difficult Soil



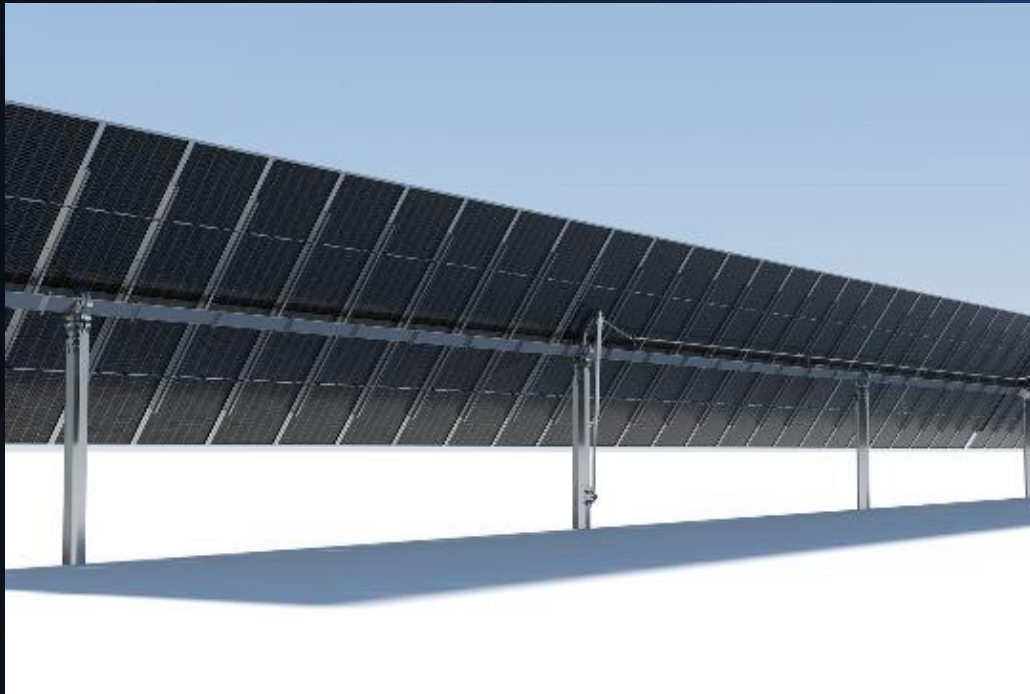
High Corrosive Area



PORTFOLIO

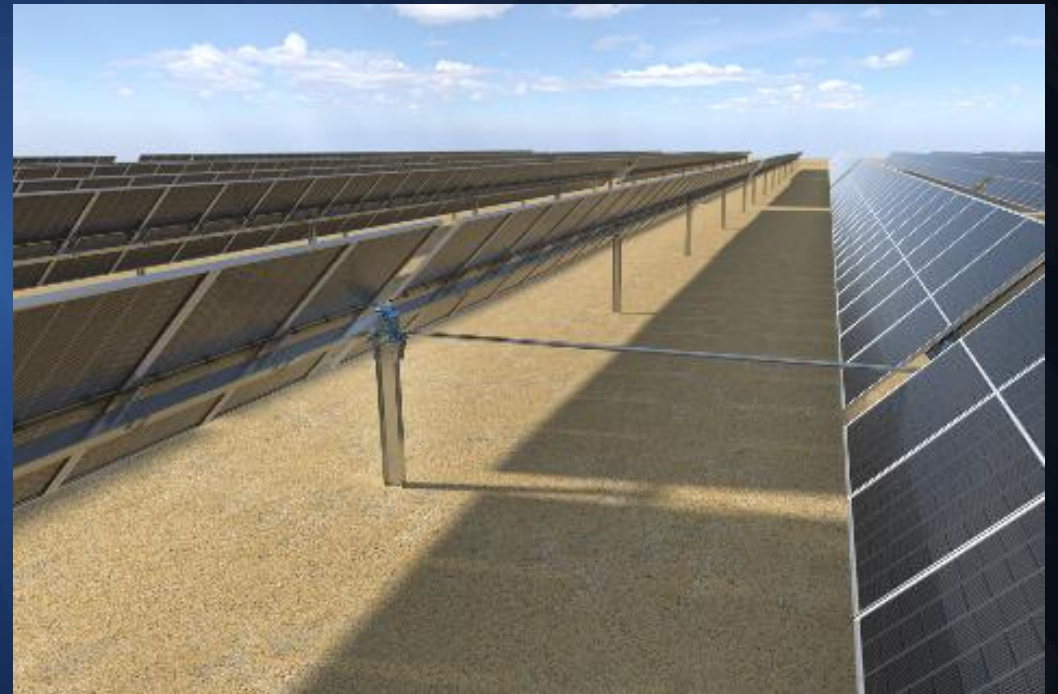
Vanguard™

Single row 2P



Agile™

Dual row 1P



Vanguard™ 2P Single Row

Increased Yield Gain From SuperTrack

Boost Extra **3-8%** Yield Gain

Reliable Communication

Zigbee or **LoRa** Available

Optimized Pile Design

From **7** Piles Per Tracker in inner rows

Enhanced Torque Tube Design

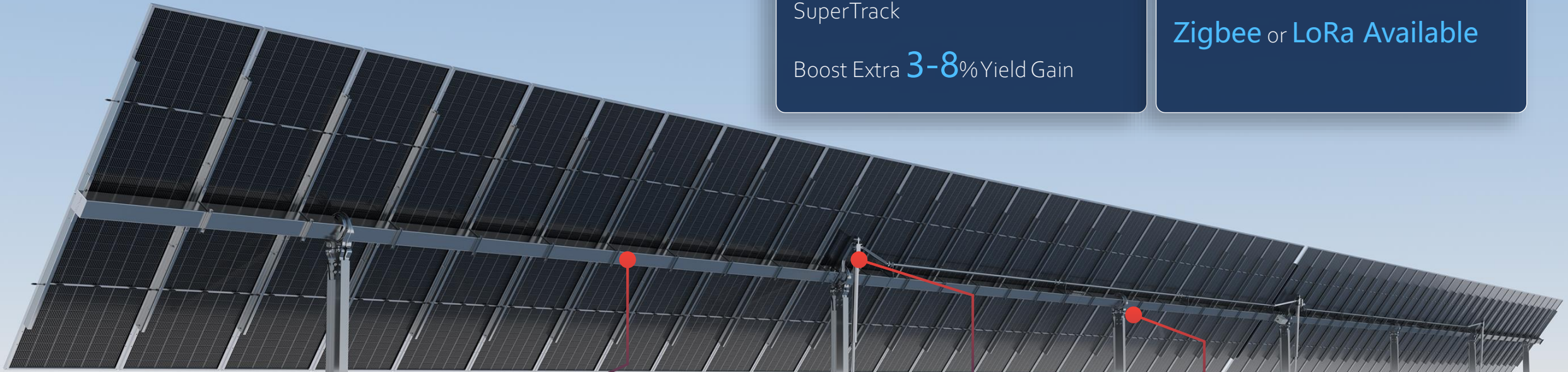
170mm Robust Tube for 2P Operation

Revolutionized Multi-Drive System

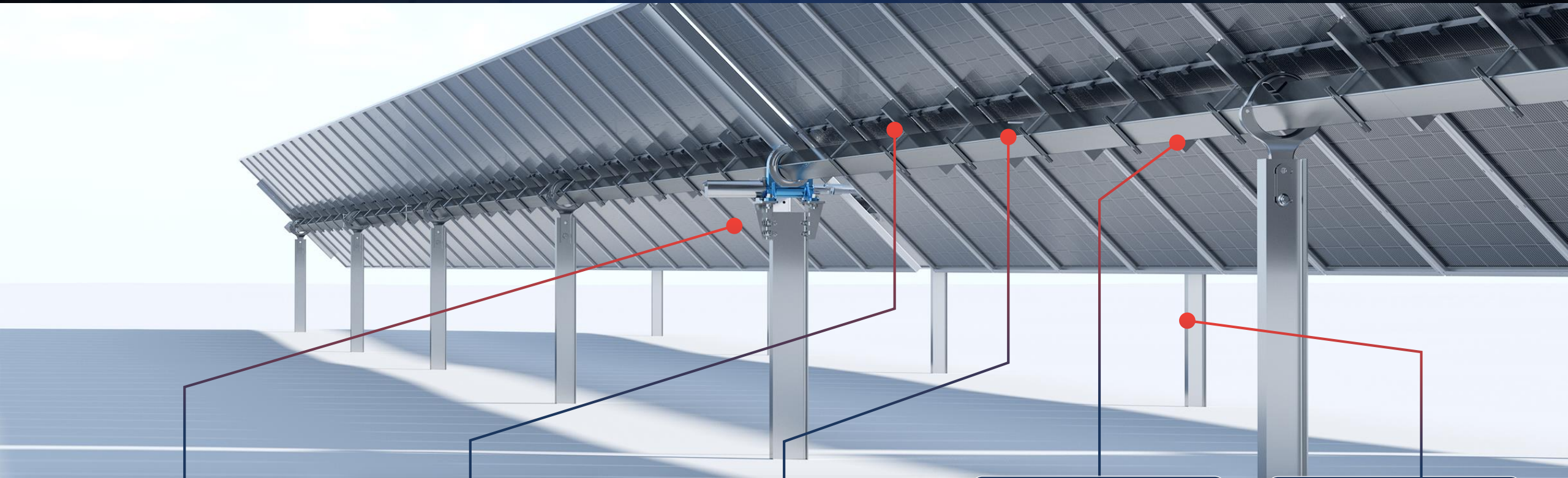
Critical Wind Speed Increase Significantly

Patented Spherical Bearing Design

Angle Adjustability Up To **30%**



Agile™ 1P Double Row



Drive System

Slewing drive & cardan design: simple assembly process

Trina Clamp

Robust and easy to assemble

Torque Tube

Stiffer section & Standard shape for supply chain efficiency

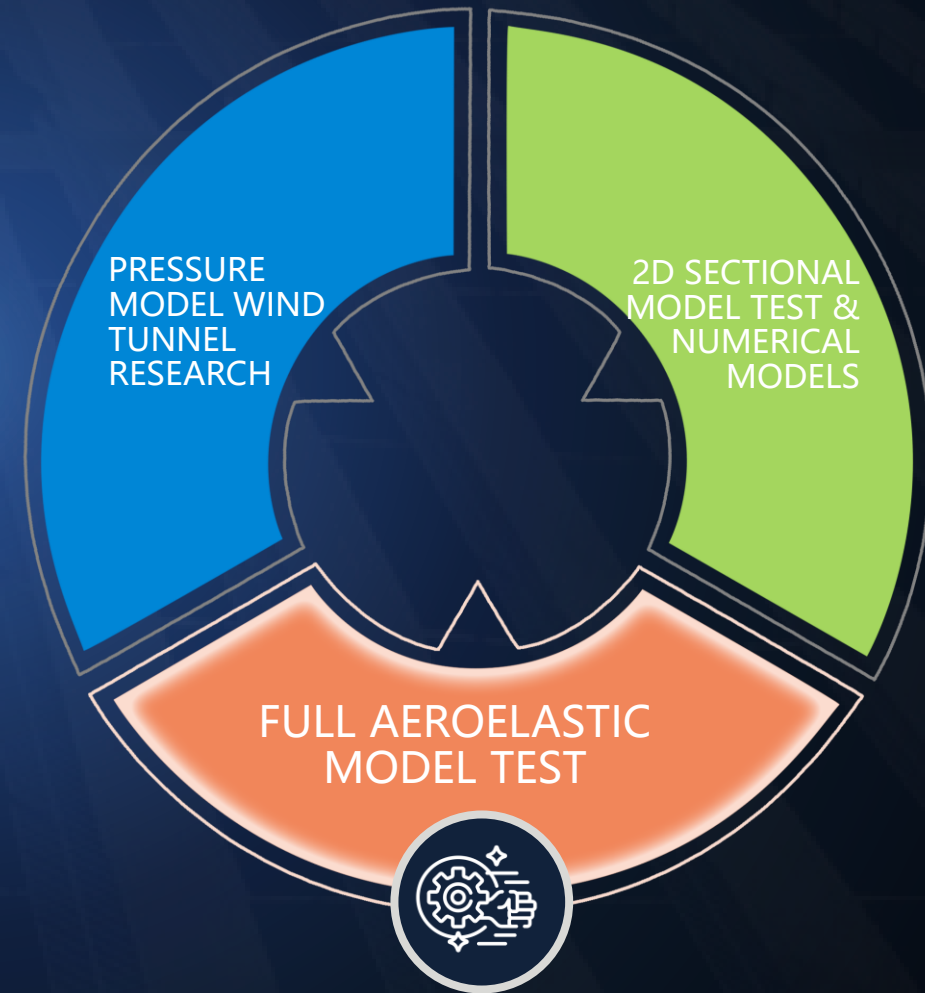
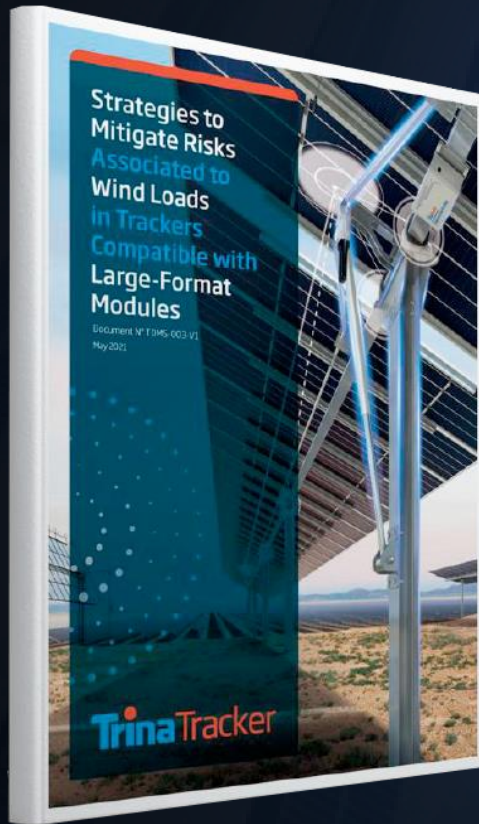
Spherical Bearing

Self-alignment, easy to assemble

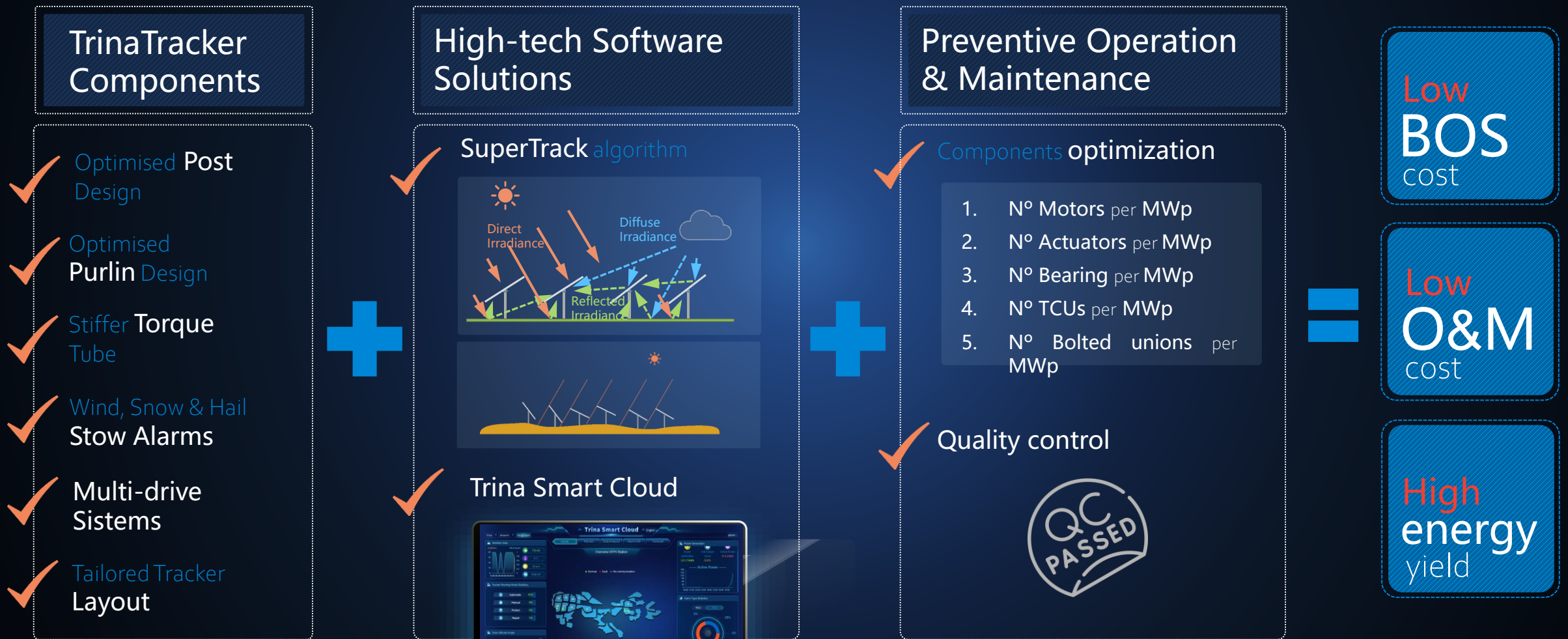
Piles

W/H pile option for difficult ground conditions

WIND TUNNEL TEST PERFORM BY THE TWO WIND ENGINEERING CONSULTANCY LEADERS



LOWERING LCOE, CAPEX AND OPEX



TRINA IOT LAYOUT

First-class intelligent total solution provider

Business

1.0 PV Product



High efficiency modules

2.0 PV System



Development and construction of large power stations



Intelligent distributed energy solutions



Intelligent optimization solution

3.0 Internet Of Things (IOT)



Trinal T



Integrated energy services



Energy storage intelligent solutions

TRINA IOT SOLUTION

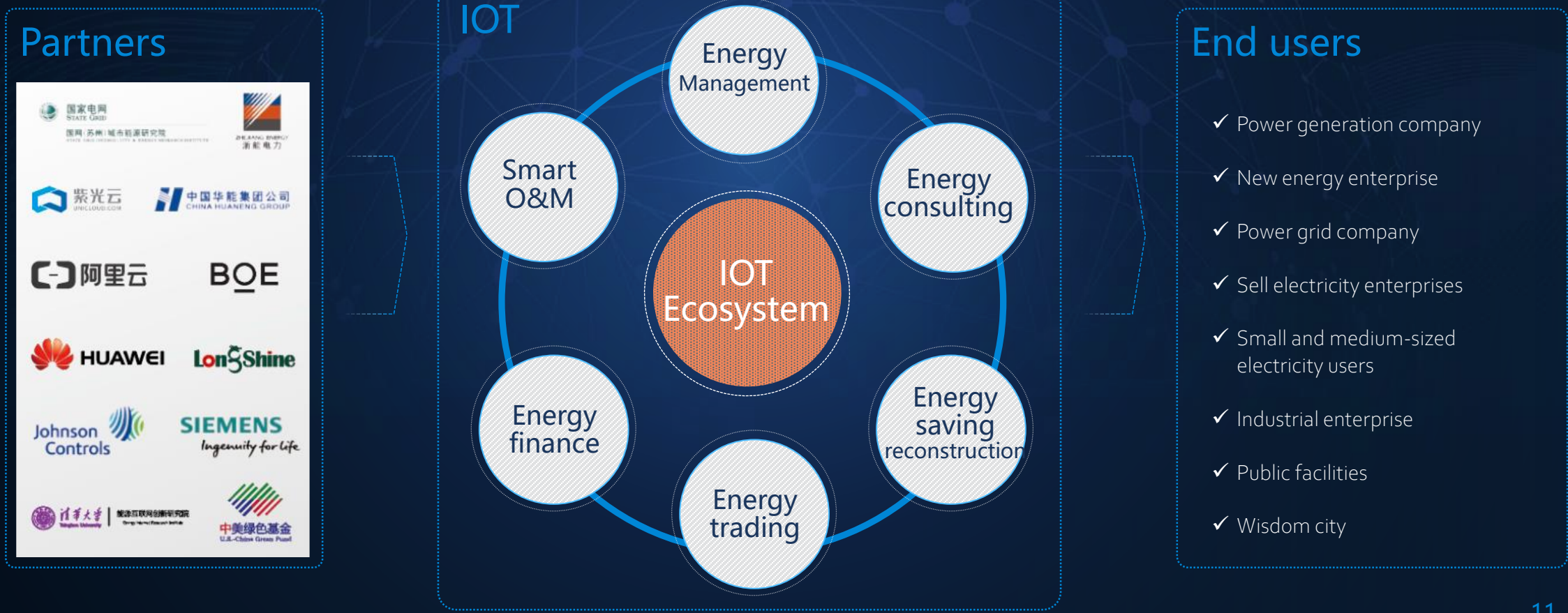
Intelligent IOT platform. Sharing new momentum of IOT



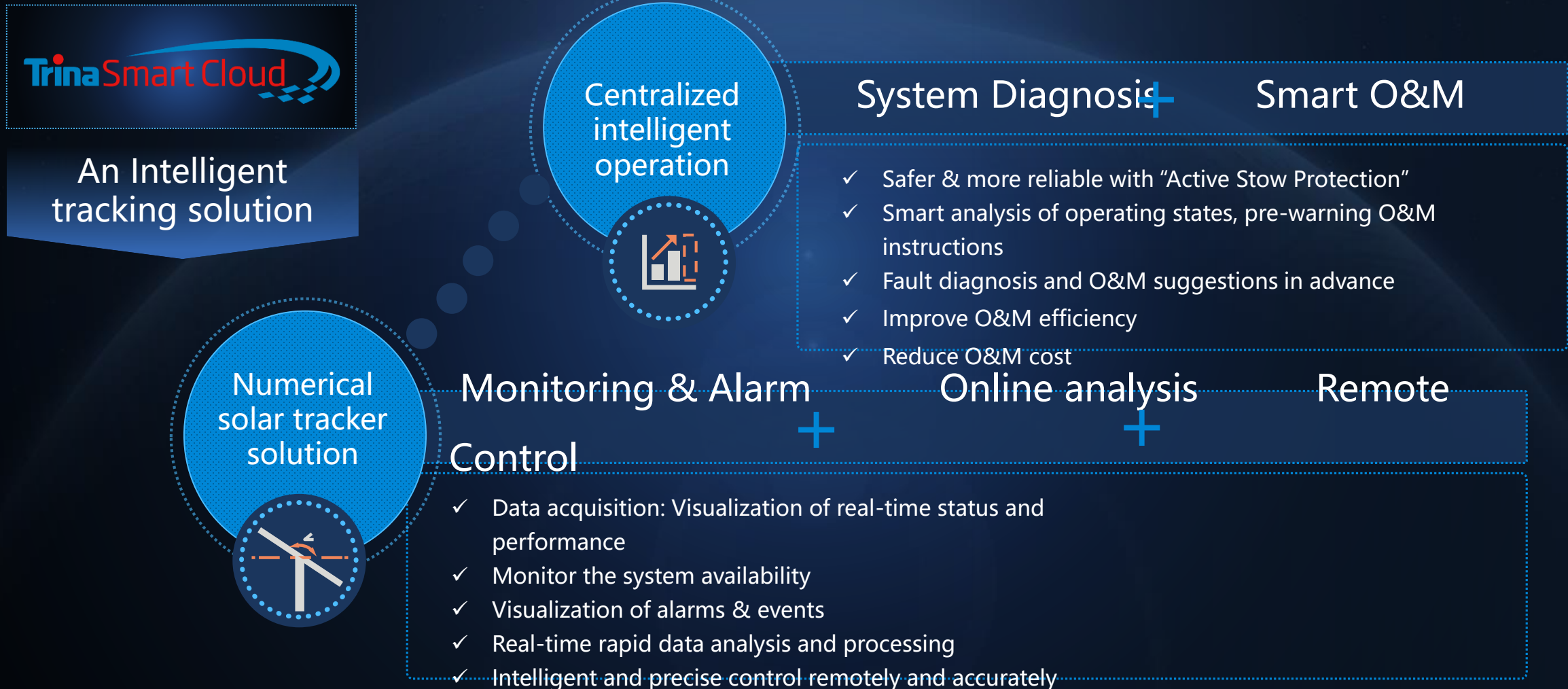
PV power	Campus micro-grid	Factory digitalization	Intelligent building	Commercial complex
<ul style="list-style-type: none">✓ Intelligent cloud✓ Monitor & control✓ Data sharing✓ Smart O&M✓ SCADA system	<ul style="list-style-type: none">✓ Energy monitoring✓ Energy efficiency✓ Equipment maintenance✓ Energy saving analysis	<ul style="list-style-type: none">✓ Intelligent power distribution✓ Energy center✓ Production scheduling✓ Operations management✓ Environmental monitoring	<ul style="list-style-type: none">✓ Energy management✓ Environmental monitoring✓ Intelligent Device✓ Intelligent Control	<ul style="list-style-type: none">✓ Energy consumption management✓ Operations management✓ Marketing assistant✓ Group management✓ Security system

CREATE IOT ECOSYSTEM, TOWARDS NEW ERA

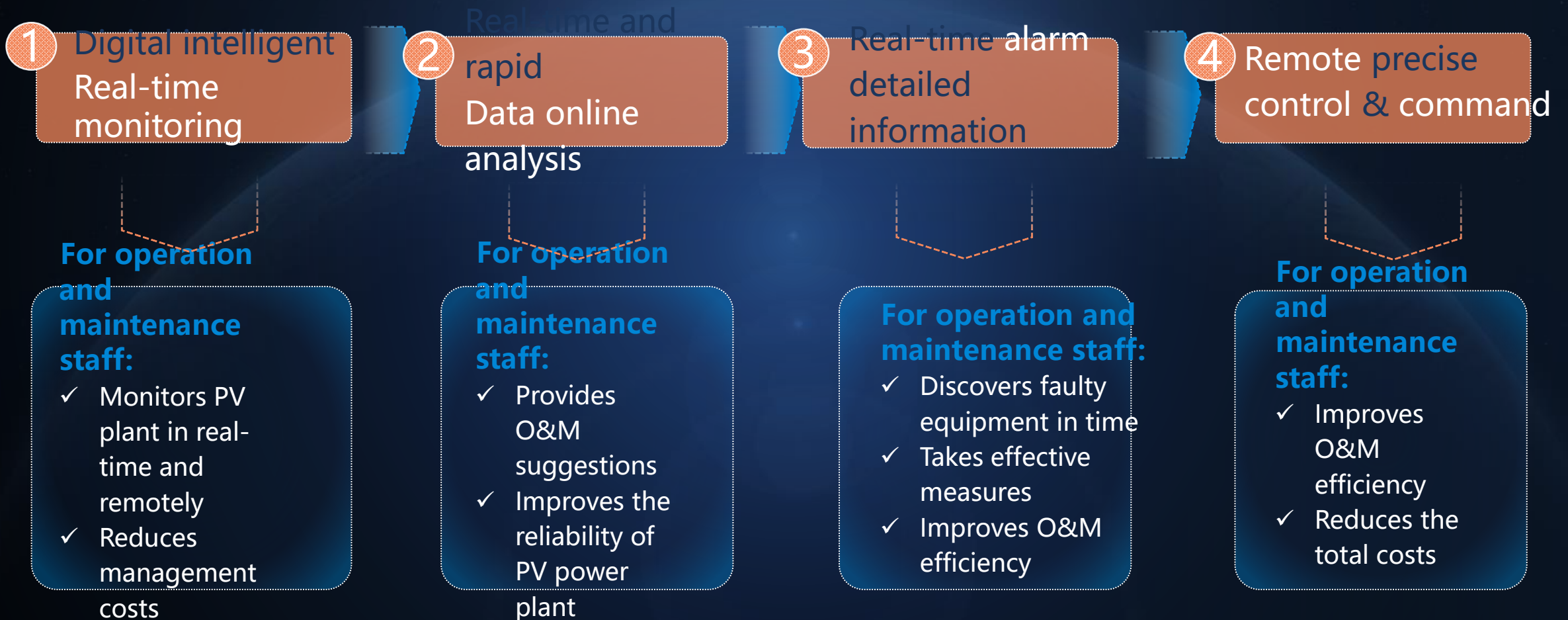
Intelligent IOT platform. Sharing new momentum of IOT



WHAT IS Trina Smart Cloud?



HOW Trina Smart Cloud CAN BENEFIT O&M?



HOW DOES **Trina Smart Cloud** REDUCE LCOE?

Functionalities

- ✓ Integrated alarm protection
- ✓ Integrated cleaning robot
- ✓ Integrated smart tracking algorithm
- ✓ PR diagnosis & analysis

Reduces power loss, improves system efficiency



Power Saving

- ✓ Quick trouble shooting
- ✓ Quick remote commissioning
- ✓ Package offer, fast site deployment

Improves O&M efficiency reduces O&M cost & time



O&M Saving

- ✓ Provides data package API
- ✓ Highly visualized Human Machine Interface
- ✓ Mature customized configuration

User-friendly software, easy to integrate into other platforms

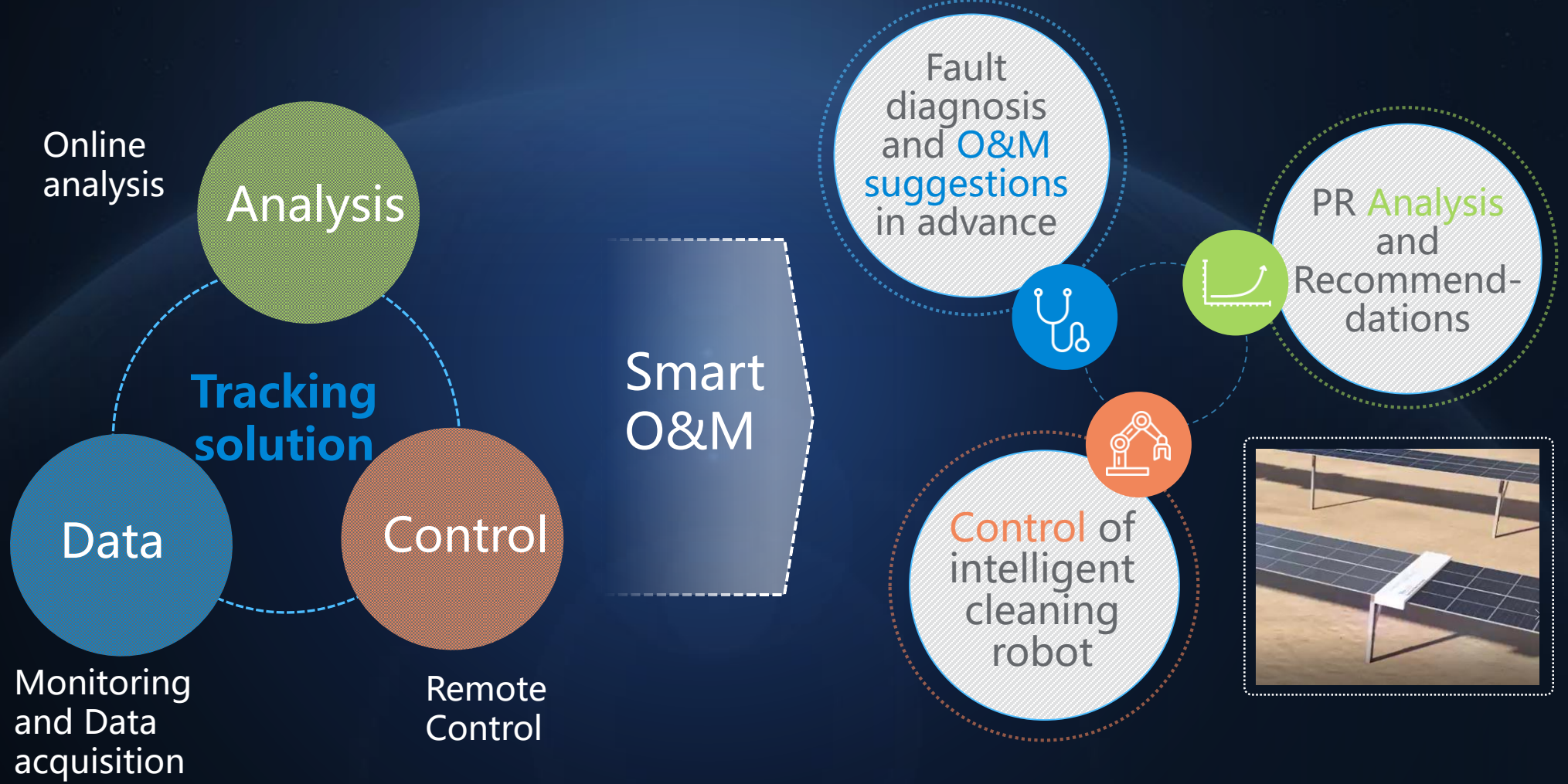


Easy Hardware & Software

Reducing LCOE



WHY DOES Trina Smart Cloud DRIVE SMART O&M?



15 Output Verified: Monitoring of the PV Plant from the Ground up



Trina Smart Cloud: INTELLIGENT, EFFICIENT, RELIABLE & SAFE

For the whole solar power plants: Remote and advanced monitoring and control system



THANK YOU!

Please feel free to contact us at info.trinatracker@trinasolar.com