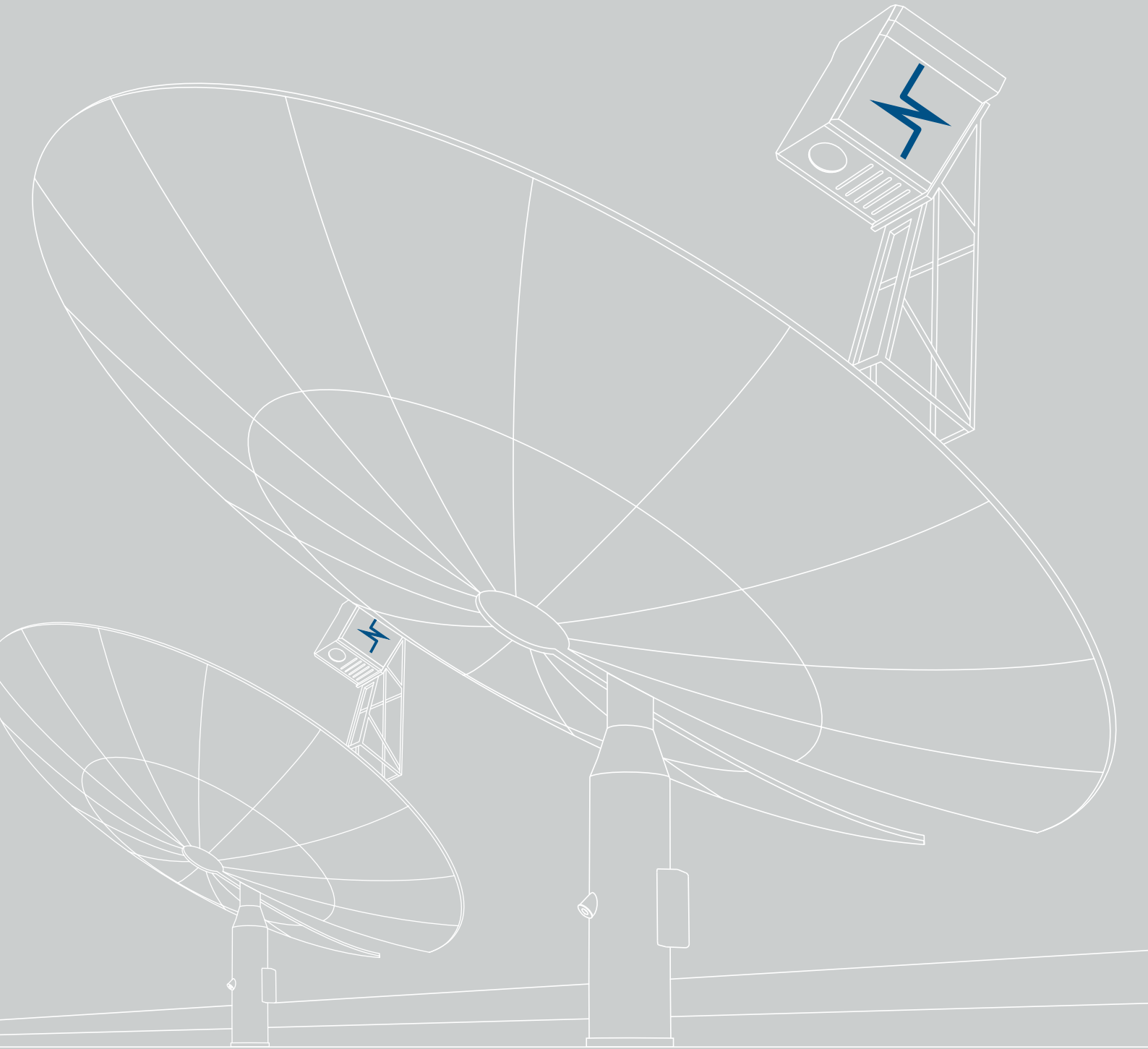
Ready for take-off

Experience the next
generation of solar power



CLEANERGY

A turnkey Stirling CSP System

Converting solar heat into electricity at grid-parity levels

Cleanergy's Stirling CSP System™ generates power from solar energy twice as efficiently as traditional Photovoltaic (PV) technology. Thanks to a proprietary tracking system that follows the sun throughout the day, the SunBox has a higher yield than alternative technologies resulting in electricity produced at some of the lowest cost per kWh on the market.

High efficiency solar power

Our CSP technology is proven to be twice as efficient as PV technology for utility-scale solar parks – both on and off grid.

Turnkey modular solutions for megawatt scale parks

Our Stirling CSP System is a solution that not only includes the SunBox but is also supported by a family of services from design and installation, to maintenance and troubleshooting.

No cooling water required

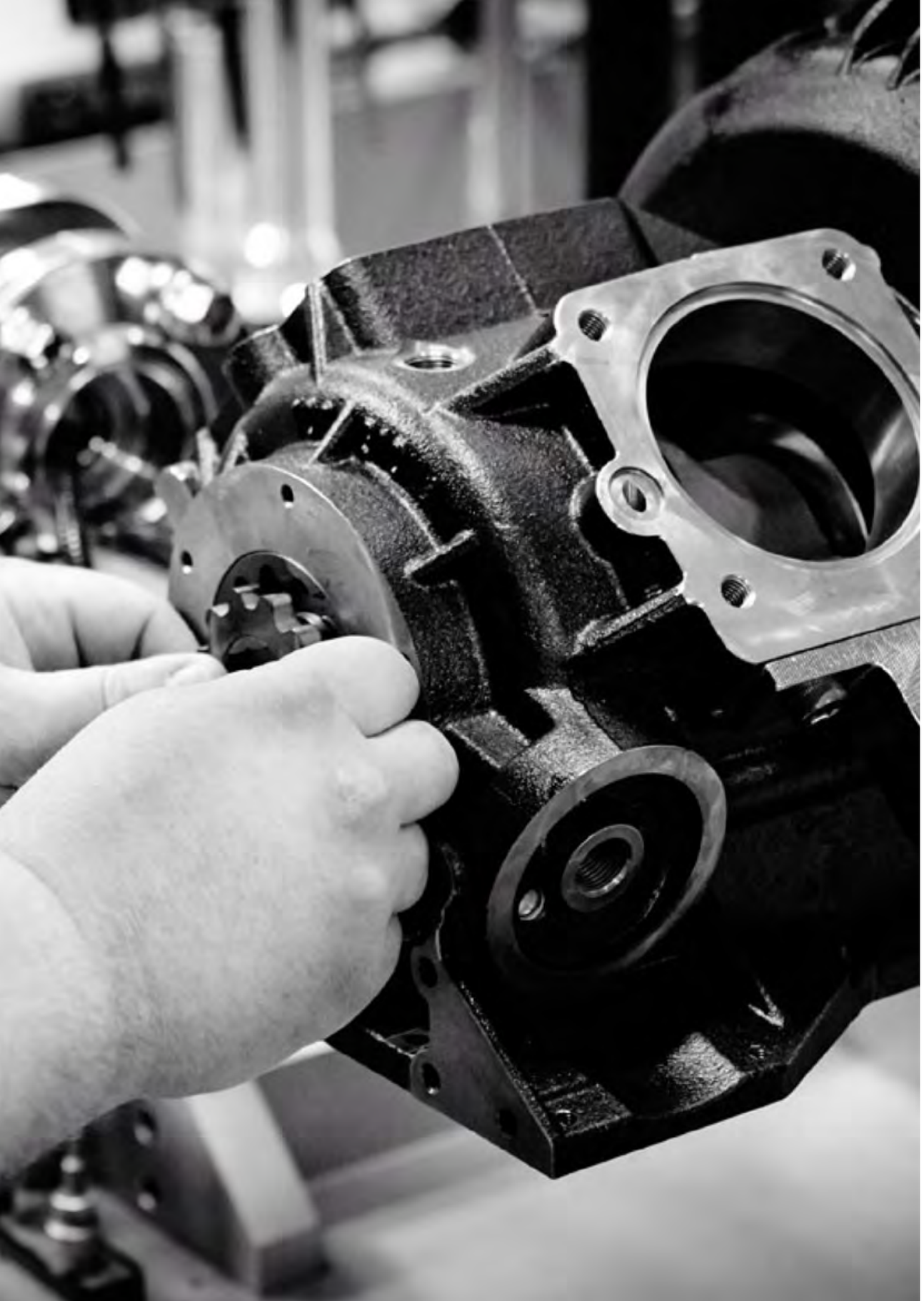
No water is consumed in the power production cycle, which is a key competitive advantage over other CSP technologies, especially in areas of high ambient temperature where high levels of Direct Normal Irradiation (DNI) are found and water resources are scarce.

Long hours - low maintenance

Our Stirling CSP solutions are optimised for high yield and long operating hours with low maintenance intervention; they are modular and scalable, robust and reliable.

This is Cleanergy

Cleanergy AB is a privately held, Swedish high-tech SME specialized in the supply of Stirling engine-based renewable energy solutions. The company is headquartered in Gothenburg, with 80+ employees and production facilities located in the heart of the Nordic automotive and aerospace clusters on the west coast of Sweden. Given its strategic location, the company has access to some of the most advanced material suppliers and engineering centres of excellence in Northern Europe with direct relevance to the development and production of highly efficient Stirling engine technology. The Stirling engine is produced in a state-of-the-art assembly line.

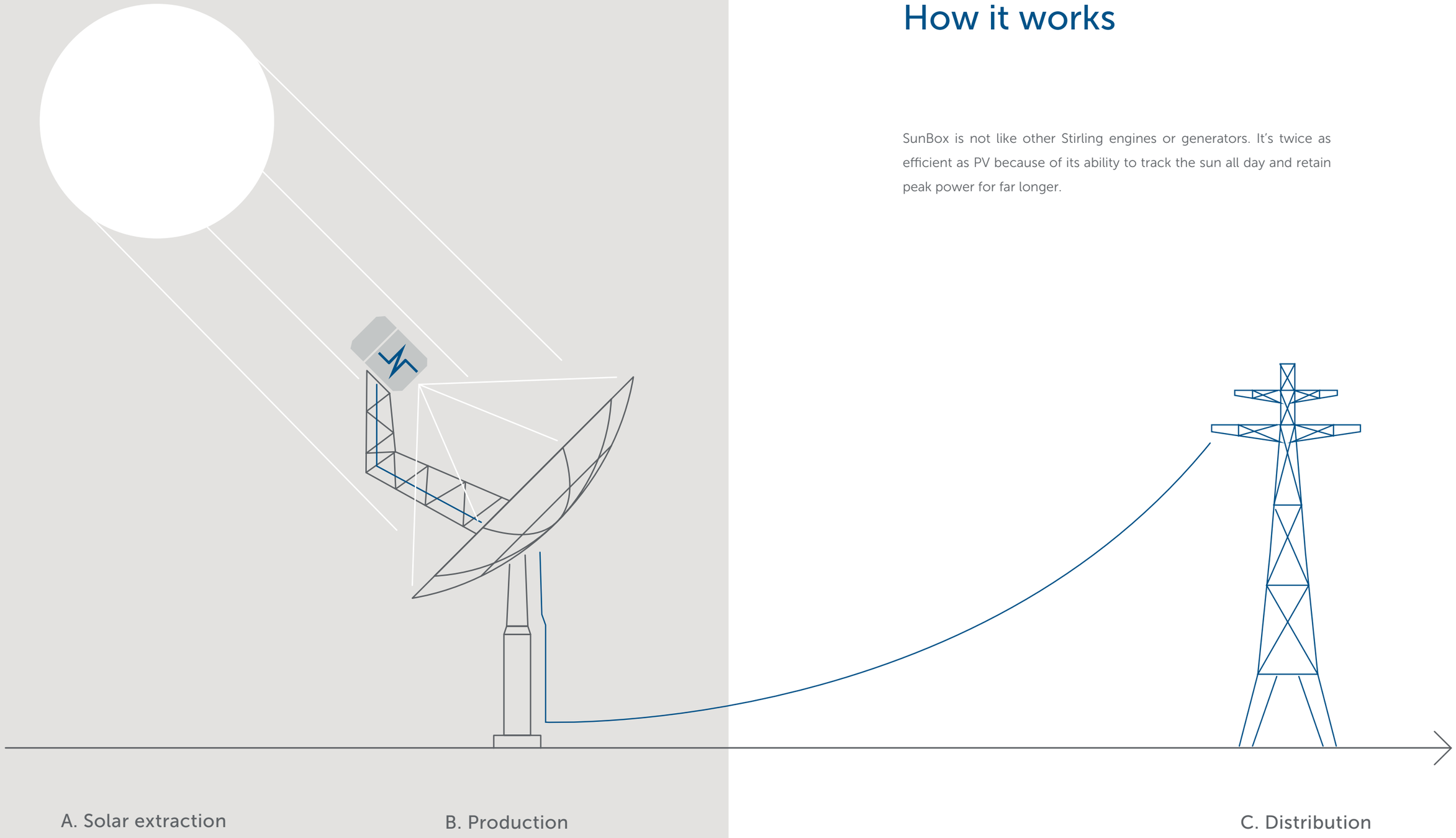


Stirling revolutions

The Stirling engine was first invented by Sir Robert Stirling of Scotland in 1816 and has been utilized in a number of applications for propulsion and power generation. Since its inception in 2008, Cleanergy's strategy has been to design and optimize the Stirling engine for high-volume industrialized production. Cleanergy's Stirling power systems have undergone rigorous demonstration and testing procedures; their market readiness has been third-party verified by international expert authorities and confirmed by early adopters in the public and private sectors. Simply put: It is ready for take-off.

How it works

SunBox is not like other Stirling engines or generators. It’s twice as efficient as PV because of its ability to track the sun all day and retain peak power for far longer.



A. Solar extraction

B. Production

C. Distribution

Join the next generation of solar power

The OECD's International Energy Agency envisions that by 2050, Concentrating Solar Power technologies enabling Solar Thermal Electricity production will contribute with approximately 4500 TWh, or an 11% share of the total global electricity mix through a cumulative installed apacity base of 1000 GW. Our ultimate goal is naturally to make renewable Stirling solutions a major, lasting part of global power generation. We are ready for take-off. Join us!

Contact us today to discover how SunBox and Stirling CSP technology can help benefit people, planet and profit.

E-mail to csp@cleanergy.com to get in touch with a sales representative. Or give us a call at +46 532 10020.

More information available at cleanergy.com