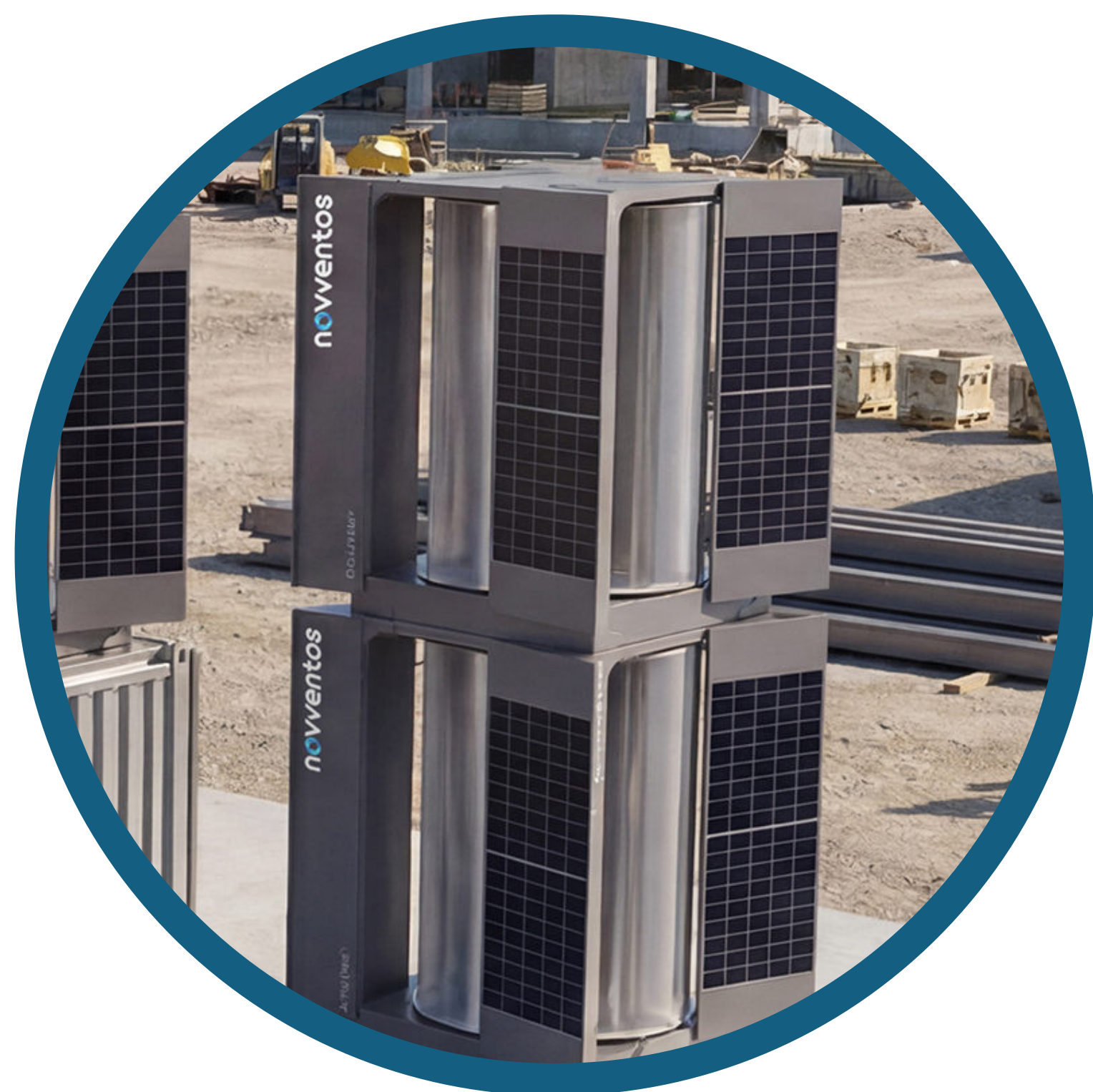


novventos

Your Power. Your Independence.

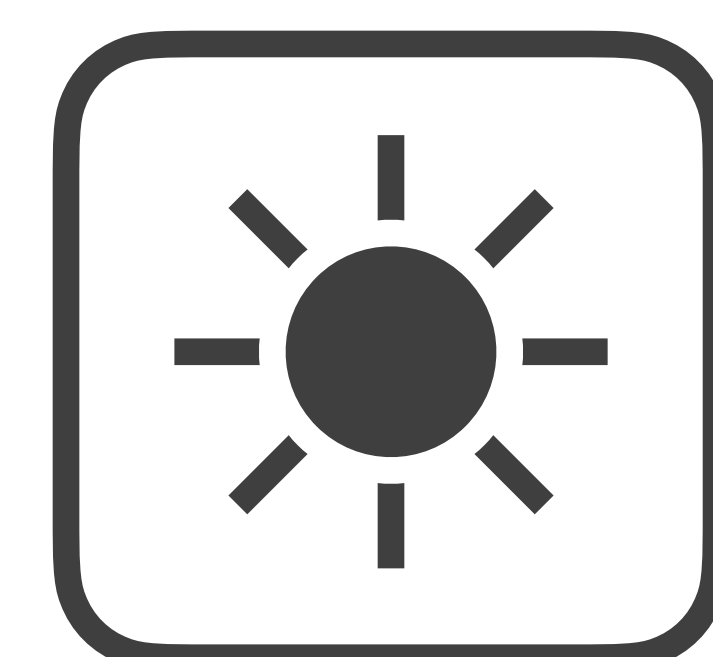


Flexible Installation Options
on rooftops, on containers, or
in open terrain

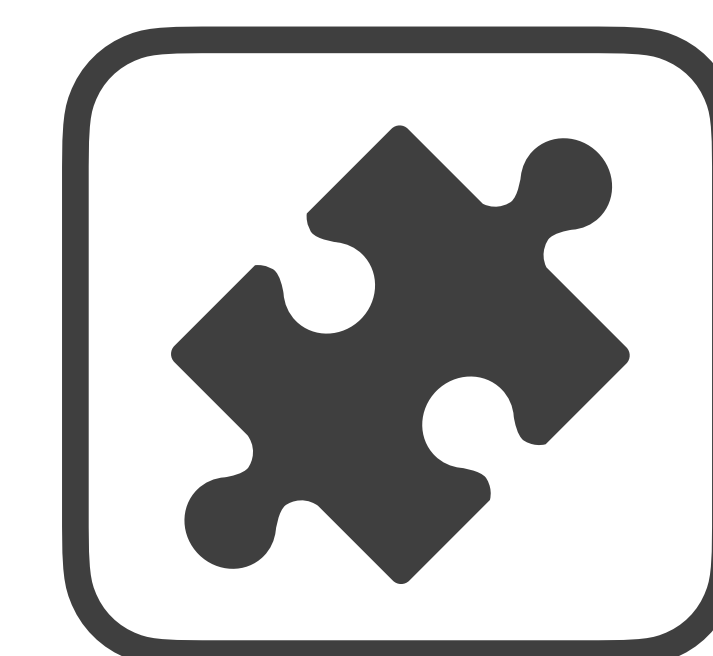
Wind
Energy



Solar
Power



Easy
Connect



naca.boost

innovative ground level wind turbine



Your Power. Your Independence.

Vertical-axis wind turbine for harnessing wind and solar energy at ground level

naca.boost is a vertical-axis wind turbine for efficient energy generation at ground level, at installation heights of 3 to 8 meters, where conventional wind turbines reach their limits. The proprietary rotor geometry harnesses lift and drag forces equally, while the asymmetric housing shields the returning rotor blade and specifically accelerates the incoming wind.

Wind energy generation is complemented by solar panels mounted on the housing, which significantly boosts the output of **naca.boost** especially during periods of low wind. The integrated solar modules deliver energy even when the wind is calm - for continuous power generation. The result is an energy yield at least 75% higher than conventional vertical-axis wind turbines, enabling reliable energy generation even in places where it was previously barely possible.

The range of applications is diverse. At windy, ground-level sites, **naca.boost** reliably delivers energy where classic small wind turbines have long since stopped working. Thanks to its low cut-in wind speed, the turbine generates power even in light wind, significantly extending its annual operating time. By harnessing wind from any direction without mechanical yaw control, **naca.boost** also tolerates turbulent flows that horizontal wind turbines cannot use efficiently. Combined with **sky.boost** and **master.boost**, **naca.boost** thus contributes to a self-sufficient energy supply - around the clock and in any weather.

Technical Details:	naca.boost
Weight:	600 kg
Dimensions L x W x D:	2.730 x 2.730 x 1.235 mm
Rated Power:	2500 W
Installation:	on rooftops, on containers, or in open terrain
Annual Yield:	6,500 kWh per year (at an average wind speed of 7 m/s)
Maintenance:	maintenance-free



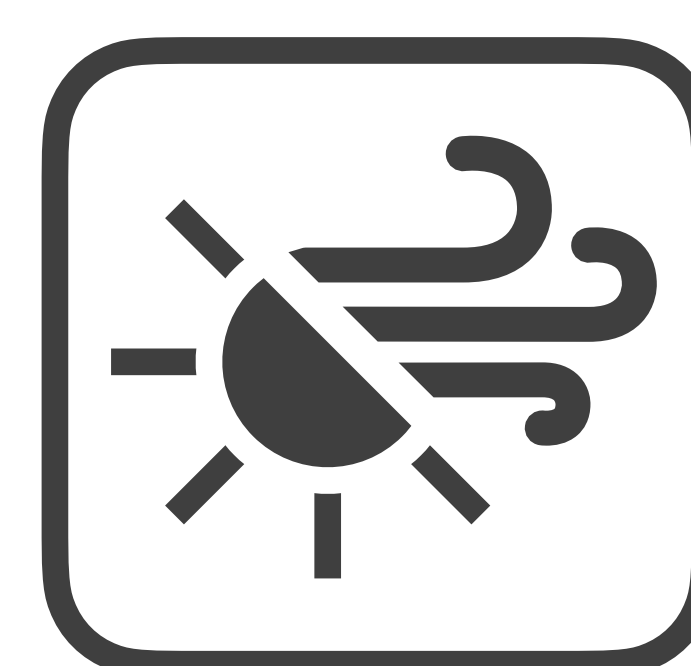
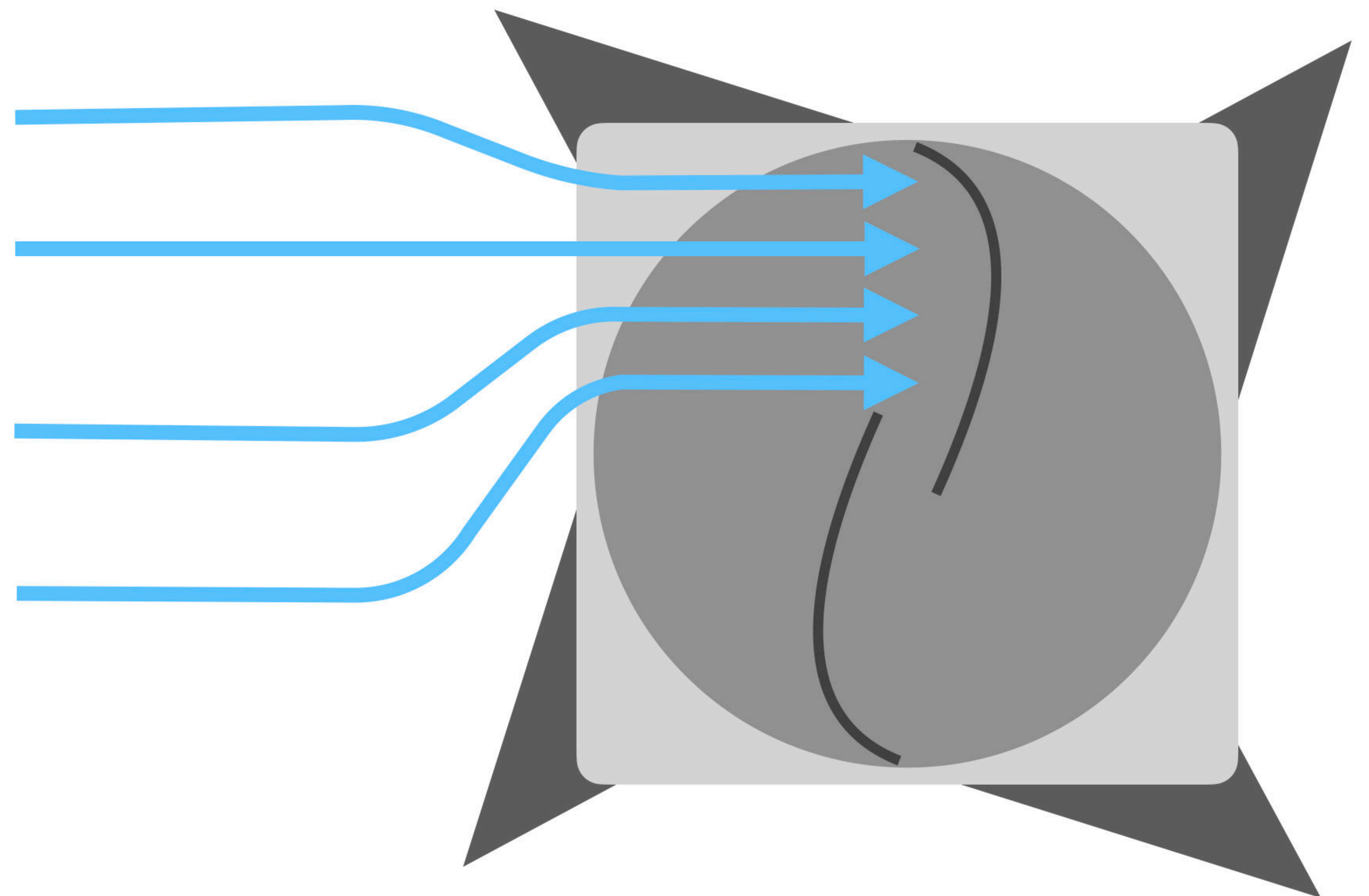
Effortless Installation

Low weight and a thoughtfully designed, simple mounting system enable installation in the shortest possible time - on rooftops, on containers, or in open terrain.



Superior Rotor Design

The asymmetric housing creates an intelligent wind-guiding structure that directs the airflow precisely and purposefully. This produces an optimal flow field for the rotor, allowing it to harness the wind's lift and drag forces equally and with high efficiency.



Hybrid Ready

naca.boost is designed from the ground up for seamless integration with the sky.boost solar solution and master.boost energy management, forming a well thought-out, intelligent overall system from a single source.



Your Power. Your Independence.

novventos clean.energy.village

The European solution for a local, hybrid, sustainable, and modular energy supply combines **naca.boost** wind turbines, **sky.boost** photovoltaic arrays, and the **master.boost** energy hub into a modular system that can be adapted to the operator's needs based on site conditions and requirements. The various components can be connected to form a clean.energy.village.

A **clean.energy.village** consists of the following core components:

- **naca.boost** - vertical-axis wind turbine for roof and container mounting
- **sky.boost** - photovoltaic array for container mounting
- **master.boost** - inverter system
- **battery.boost** - battery storage
- ***.boost** - further components under development

