

# NETLED



Most advanced  
vertical farming system  
in the world

## Vera® - family of industrial-grade, proprietary vertical farming systems by Netled

The only true end-to-end turn-key vertical farm facility option available on the market: Vera® offers an easy solution for every grower. Netled acts as a partner through the whole project, from the initial design to the installation and documentation, as well as further maintenance and data analysis.

Scalable from instore to industrial: in-store cabinets for marketing, compact-size for piloting, industrial size for commercial growing. Works with any growing media and pots.



### CONTACT NETLED

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## WHY VERA®?

### Saves Energy

- 60 % less energy consumption vs. high-end greenhouses
- absolute control of air humidity and heat energy leads to the recovery of a very large percentage of energy already used in cultivation
- the same energy used to grow for example salads can be used fully elsewhere, and technically zero energy is required to grow the plants

### Saves Fresh Water

- 95 % less fresh water consumption vs. high-end greenhouse growing
- 99% less water consumption vs. open field farming
- only a small fraction of irrigation water is bound to the leafy green itself
- vaporized humidity is caught into water circulation to be reused in irrigation, and is not vaporized in the air like in traditional cultivation

### Better looks and taste - Better Crop

- improves quality, production speed, and productivity
- faster growth up to more than 40% faster compared to traditional cultivation. In Vera®, there are over 40% more plants in the growing area and even 8 times more in the floor area than in similar open field or traditional greenhouse cultivation. In Vera®, we use FIFO, ie. first in, first out flow through growing. The crop density is optimized and changed along the crop cycle

### Saves Money & Time

- low maintenance costs
- well suited for commercial production
- automated cultivation process offers a possibility to lower unit costs in production

## VERA® FEATURES

### Proprietary Vera® Software for control and support

- full-automatic crop cultivation from seed-to-retail
- controls all aspects of the farm (humidity, lighting, nutrients, irrigation, automatic additional spacing of growing crops, moving crops inside the farm and finally placing crop into retail package and box
- netled specialists have direct remote connection to all Vera® farms via this software for technical and biological monitoring, fast diagnosis, pre-emptive service, steering, and consulting

### Vera® Robotics for automation and optional performance

- latest innovations in robotics to automatize the entire production flow
- transplanting, harvesting and packing of the crops
- automatic gutter washing
- automatic palletizing and foil wrapping of pallets

### Vera® Crop Recipes for productivity and quality

- 56 parameters for each crop that can be fine tuned for productivity and quality perfection
- netled R&D finds constantly better technical parameters and genetic breeds of crops » never-ending improvement of once installed Vera® farms for years to come
- standardized growing environment » any recipe works together with any Vera farm whether it is Compact or industrial scale

**95 %**

Less fresh water consumption



**250 %**

Bigger crop production size



**60 %**

Less energy consumption

