

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.



CONTACT NETLED NORTH AMERICA

Brent Parker
brent.parker@netled.fi
+1 403 807 3403

Johnnie Goldsmith
johnnie.goldsmith@netled.fi
+1 800 265 4769

More information:
netled.fi

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

