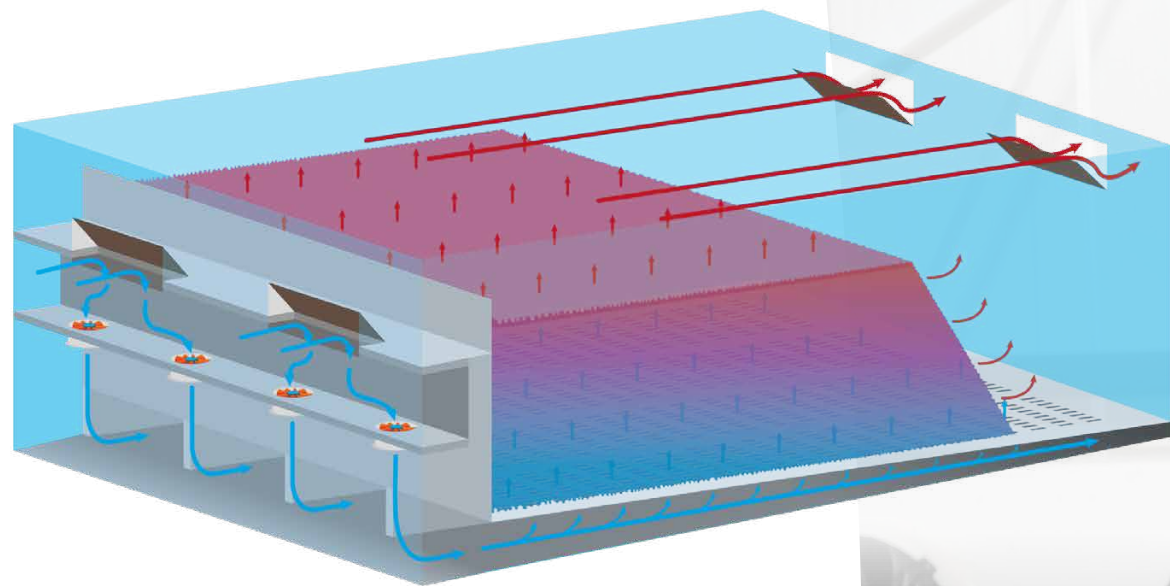


**Starting your  
storage season at ease?**

*Rely on Mooij Agro's  
expertise!*





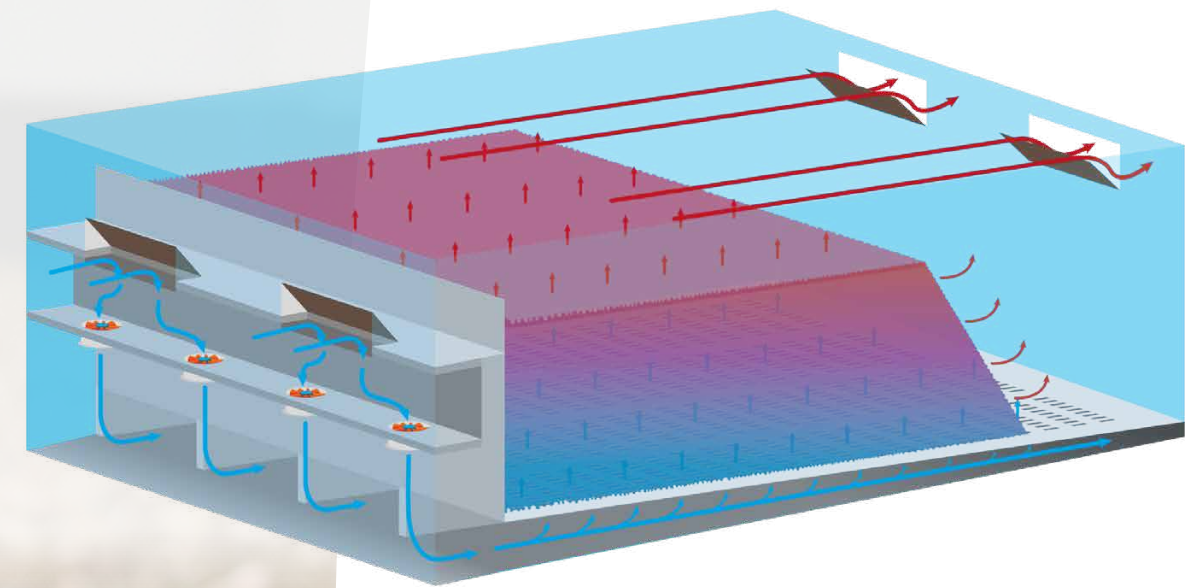
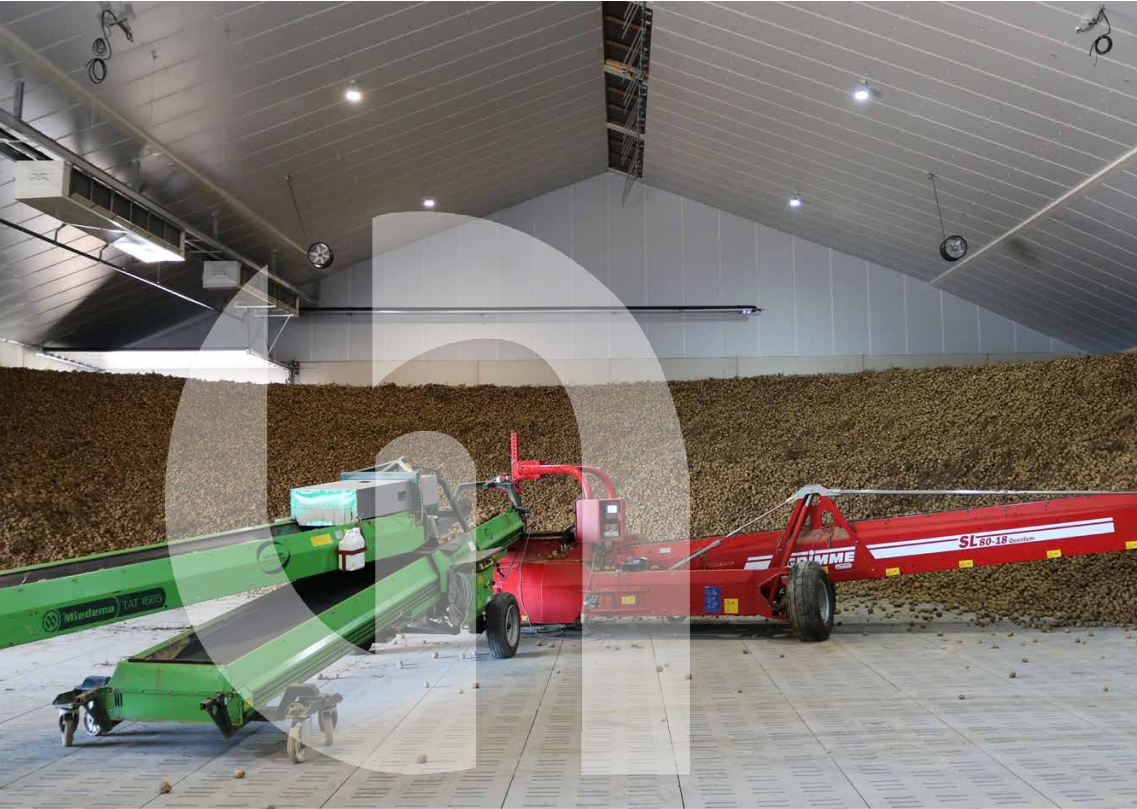


Bulk storage

- Most used system for processing potatoes world wide
- Highly effective heat transfer enables cooling with outside air; *Cold for free!*
- Large quantities of homogeneous crop
- Storage height 4 up to 6 m
- Labour extensive loading and unloading







*Bulk storage*

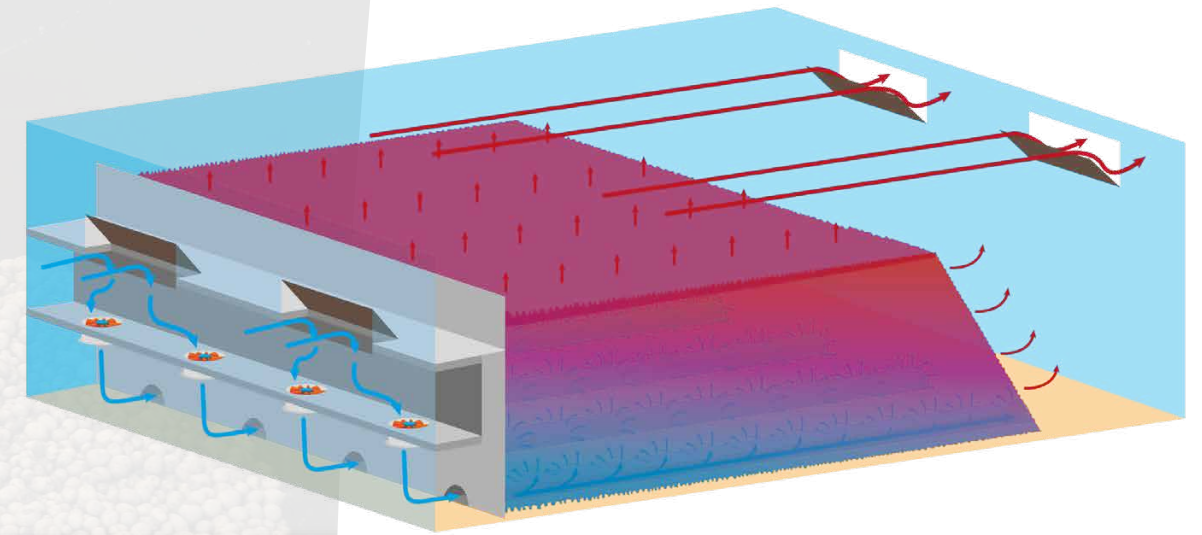
- Most ventilation components are positioned in the air mix- and pressure chamber
- Short distance between the air mix unit and the crop
- Easier operation, one cell can exist of multiple sections
- Ultimate air quality is achieved prior to entering into the crop



- Ventilating floor for optimal air distribution
- Underground ducts enable easy loading and unloading
- Adjustable air slots

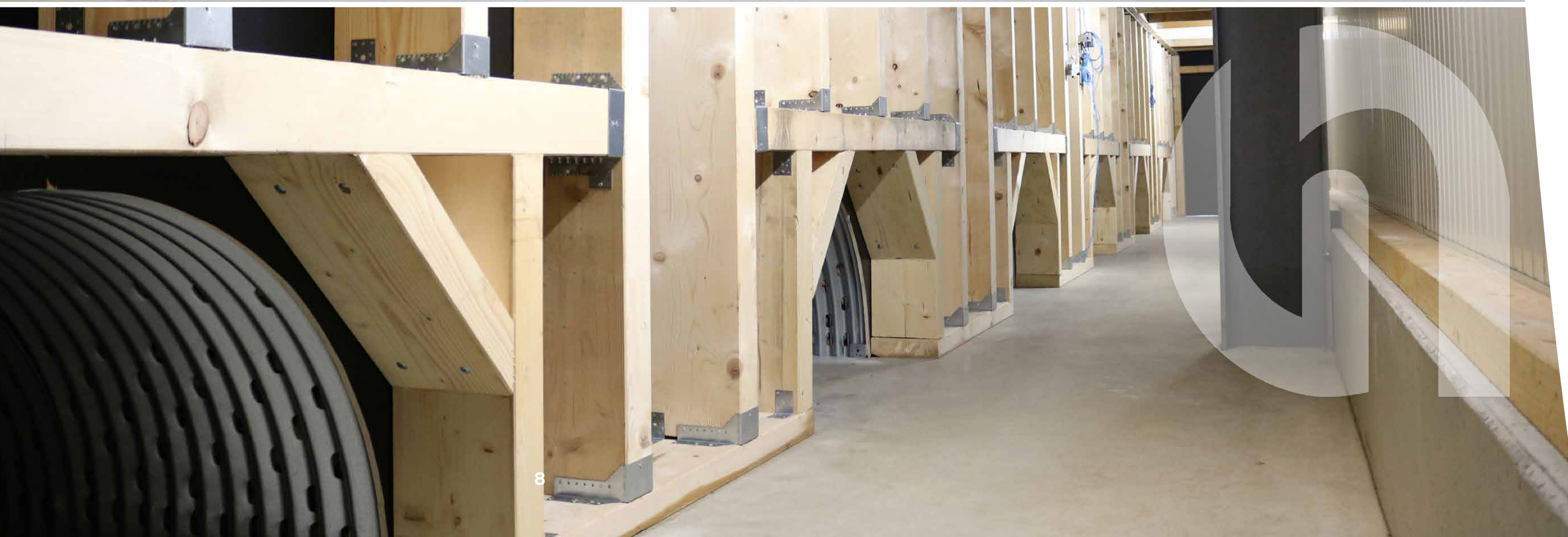




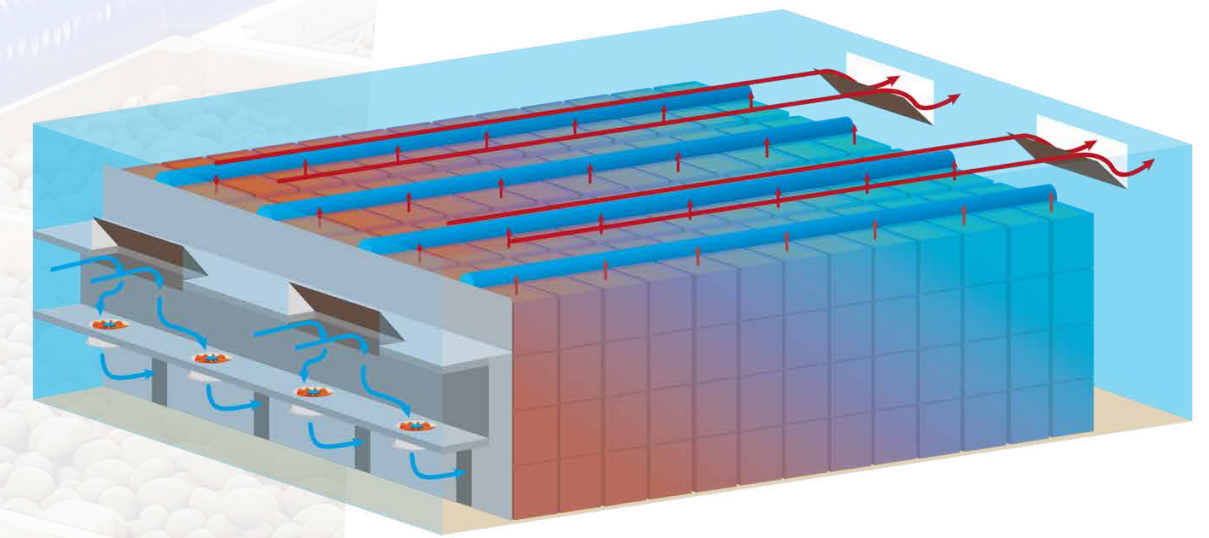


*Bulk storage, half round ducts*

- Turn concrete floor into a storage facility
- Inwards forced holes, no sharp edges
- High curves providing excellent strength
- Easy to stack and position
- Larger lower positioned oblong holes for wider air spreading



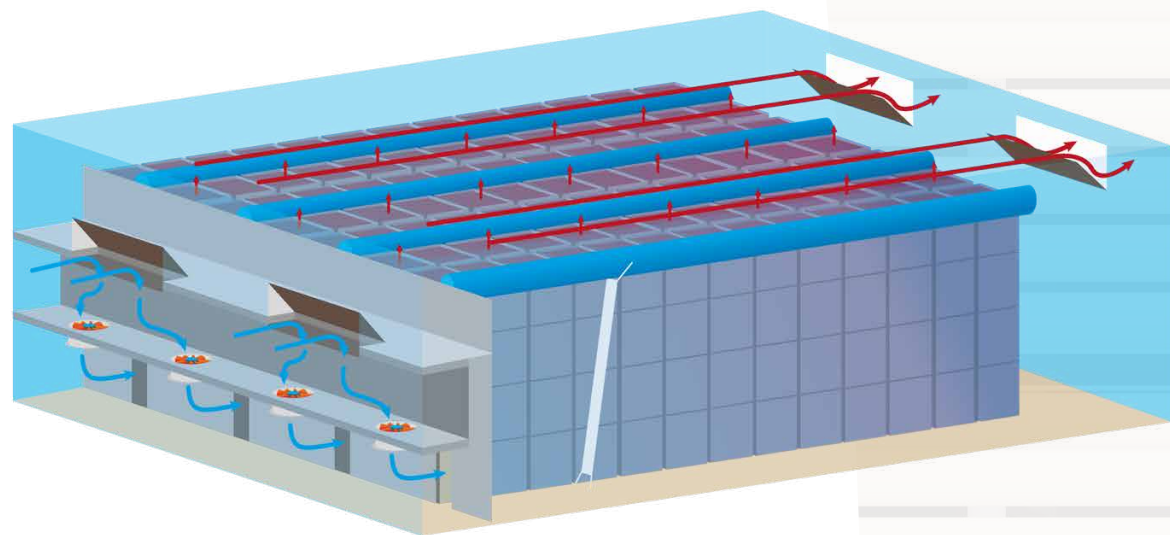




*Box storage, pressure system*

- Best system for seed-, table- and long stored processing potatoes
- Air travels horizontally from the inside to the outside of the double box rows
- Air travels through the entire box, also through the center
- Highly effective heat transfer enables cooling with outside air; *Cold for free!*
- Suitable for boxes up to 2,5 m wide
- Separation of air in- and outlet
- Ultimate air quality is achieved prior to entering into the crop
- Rapid drying and cooling down
- Safe operation from floor level



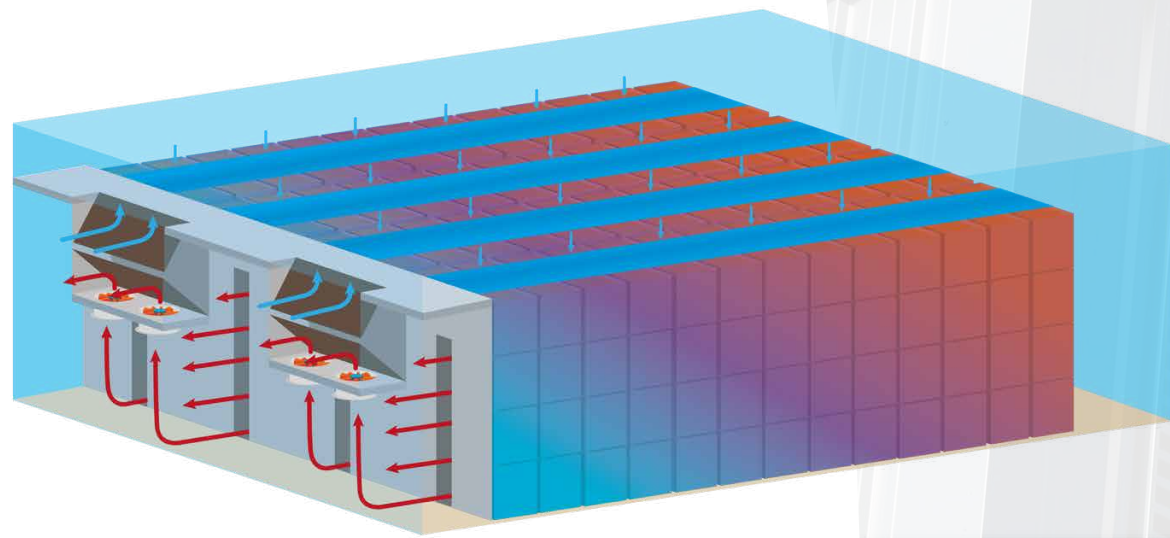


*Box storage, pressure system with Every-Air*

- Optimal air distribution regardless of long box rows
- Rapid and homogeneous drying and cooling down
- Excellent for sprout regulator distribution
- Easy to mount
- Silver medal winning innovation at Agritechnica 2015





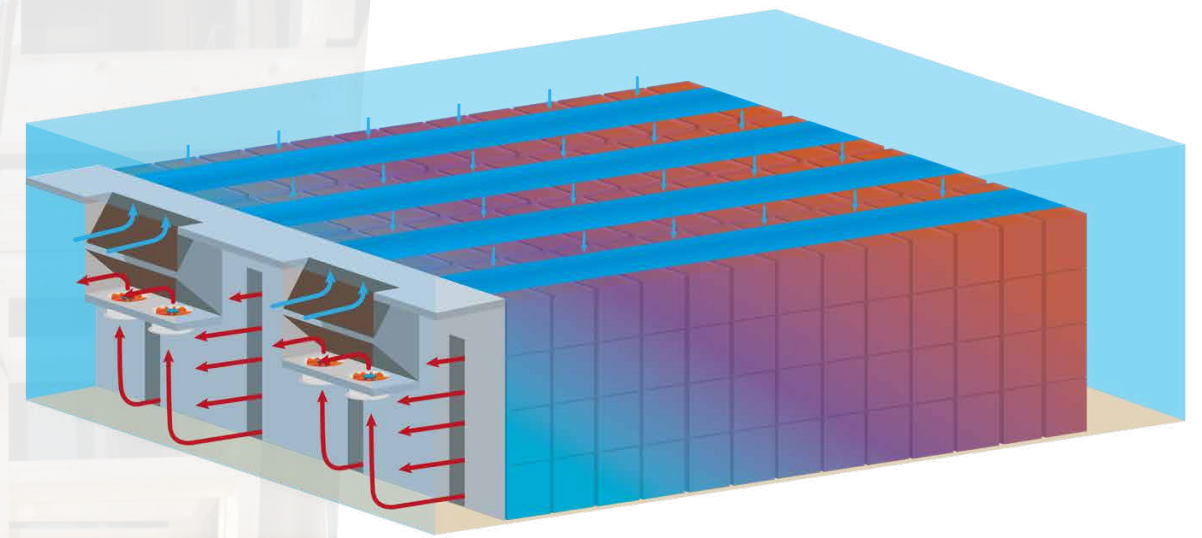


*Box storage, aspiration system*

- Air travels horizontally from the outside to the inside of the double box rows
- Air travels through the entire box, also through the center
- Highly effective heat transfer enables cooling with outside air; *Cold for free!*
- Suitable for boxes up to 2,5 m wide
- Suitable for middle long rows of boxes



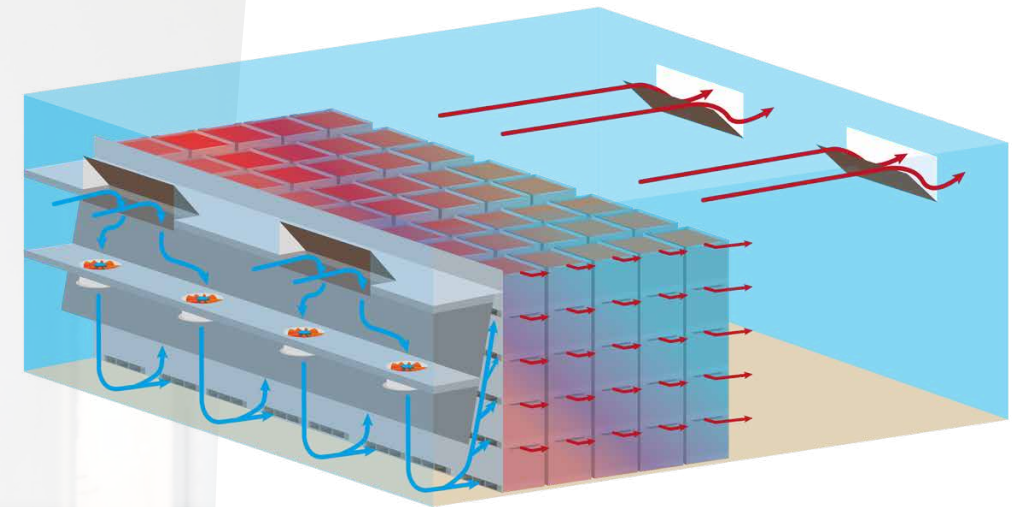




*Box storage, aspiration system*

- Air in- and outlet are positioned in the same wall
- Long distance on the outside between air in- and outlet prevents short-cut
- Easy crop inspection behind the aspiration tarp





Box storage, letterbox system

- Pressure system pushing air through the pallet opening
- Suitable for seed potatoes, onions, seeds and flower bulbs
- Highly effective heat transfer enables cooling with outside air; *Cold for free!*
- Excellent separation of different varieties
- Row length limitation

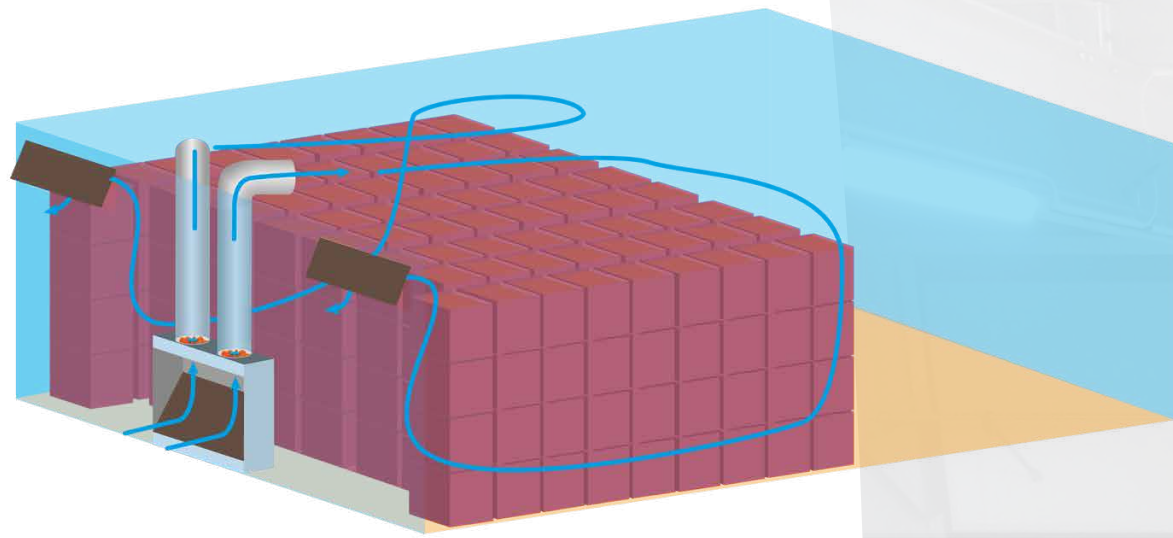


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*Box storage, room ventilation system*

- Suitable for smaller boxes with clean and healthy crop
- Variety of box dimensions and executions can be used
- Easy stacking







*Cromptimz-r storage controller*

- Highly intuitive controller for operators of all ages and levels of expertise
- Personalized screens
- Pictures say more than words
- Effortless operating
- Multilingual
- Cromptimz-r controls all storage equipment
- Easy access by smartphone, tablet or PC







*On location and remote support*

- Support and back-up from service desk and consultant
- Multiple users







#### App

- Access your storage anytime, anywhere

#### PC management program

- Excellent overview for larger storages
- Analyse and improve your storage results
- Compare different storages
- Optimize control setting for all components



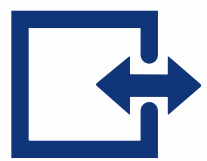


Smart Energy Manager

- Fully automatic selection of priorities
- Optimize your own generated power
- Peak shaving







CAN-bus

- CAN-bus for short and simple cabling
- Stable measurements
- Easy installation
- Different IO-boards available
- Suitable for various types of temperature and RH sensors







### *Product sensors*

#### *Product temperature*

- PT1000, most accurate temperature sensor available
- Reliable and durable
- 3-wire system ensures automatic cable length correction
- Straight curve for accurate measurement
- Large cells require multiple sensors

#### *Relative humidity*

- Highly accurate sensor
- Determines the end of drying phase
- Required for the selection of outside- or internal air







Duct sensors



- Duct temperature for air mixing control
- CO<sub>2</sub> for best frying color
- Minimum thermostat for additional safety





Switch panel

- One complete unit for all power cable connections
- Provided with selectors for manual operation
- Large in-house development and construction facility
- Custom made design
- Delivered with extensive wiring diagram and component specifications

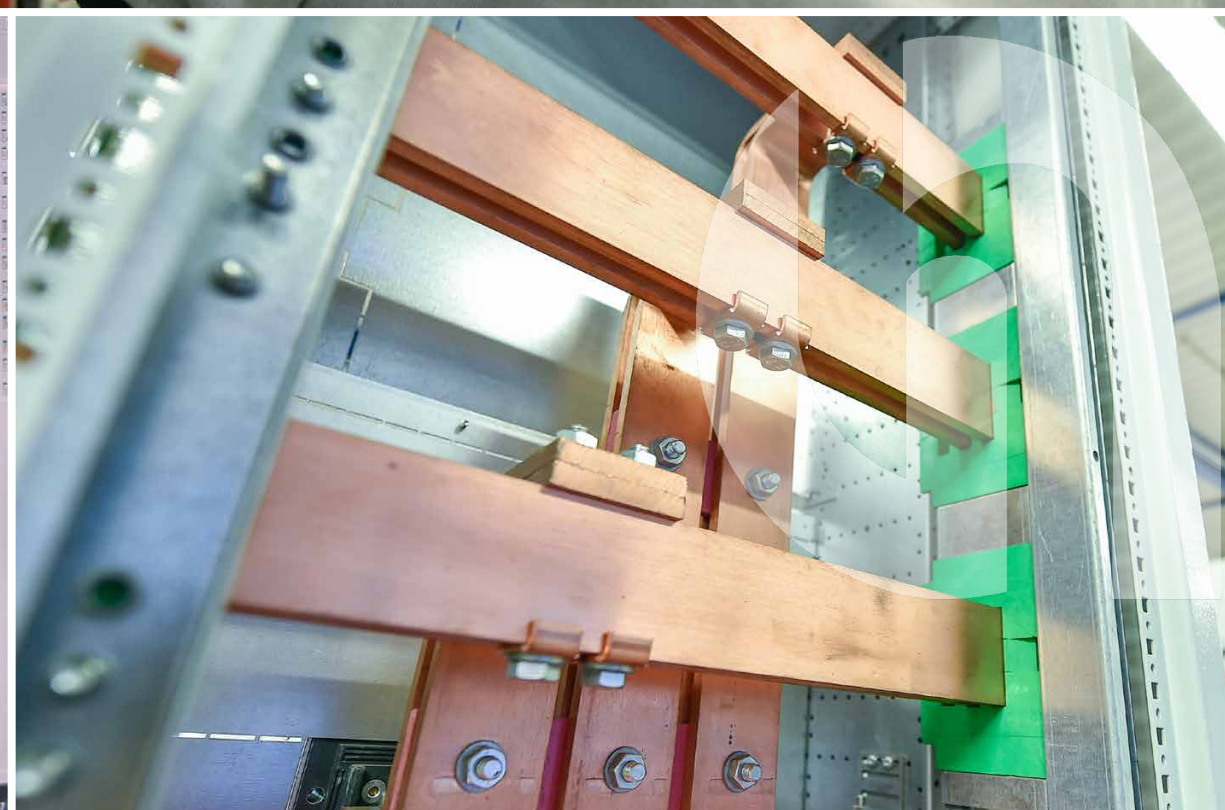
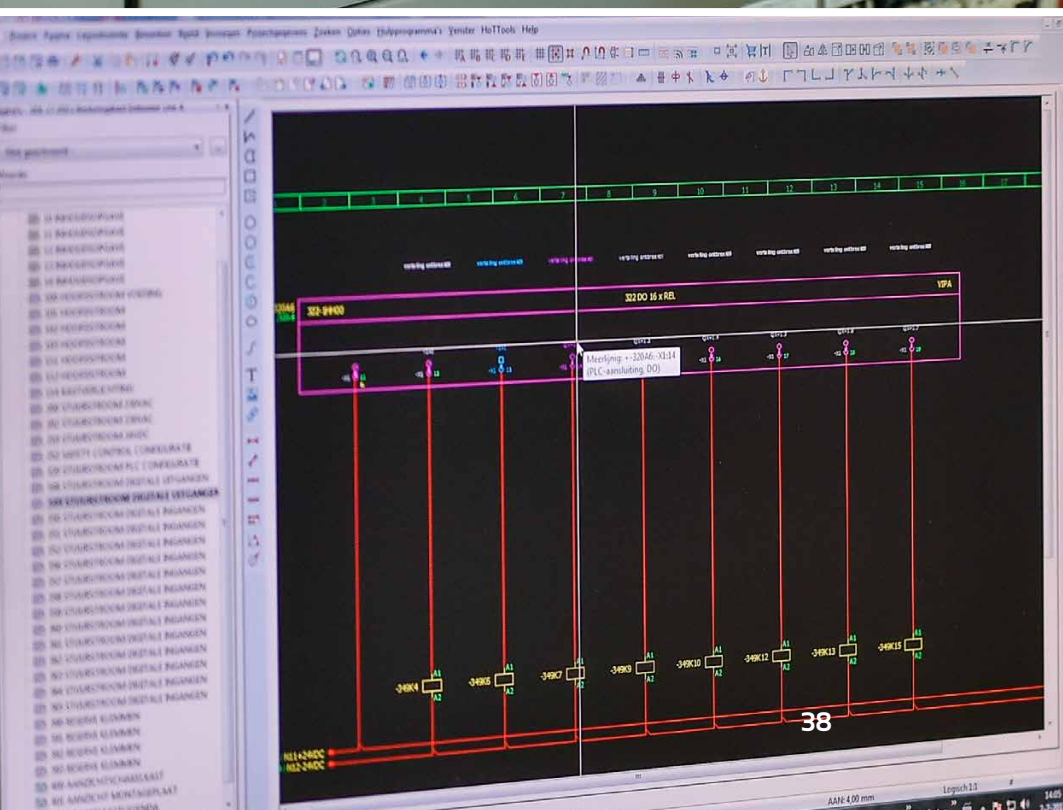
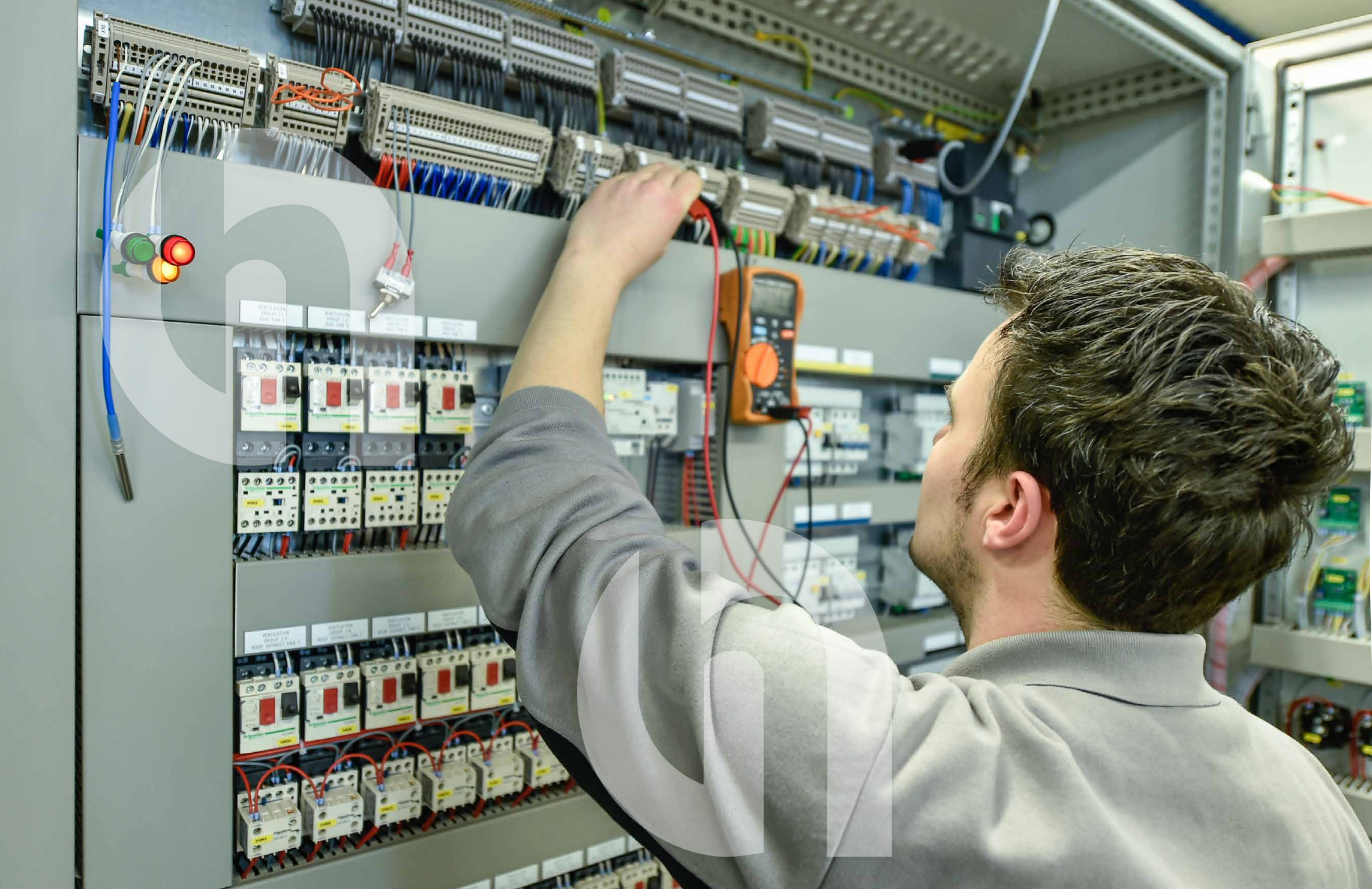






*In-house production of switch panels*

- In-house production of power distributions
- Quick and flexible anticipation
- Most modern CNC-machines for highest accuracy







*Frequency converter*

- Variable speed offers high fan capacity when needed and low fan capacity when preferred
- Prevents your valuable crop from over-drying
- Low starting power
- Low noise level
- Energy saving
- Fan motor protection box for fail-safe operation







## Ventilation

### *Axial flow fan ZA*

- Variable fan speed with EC motors
- High efficiency
- Low noise level
- MOD-bus control

### *Walk-on grid*

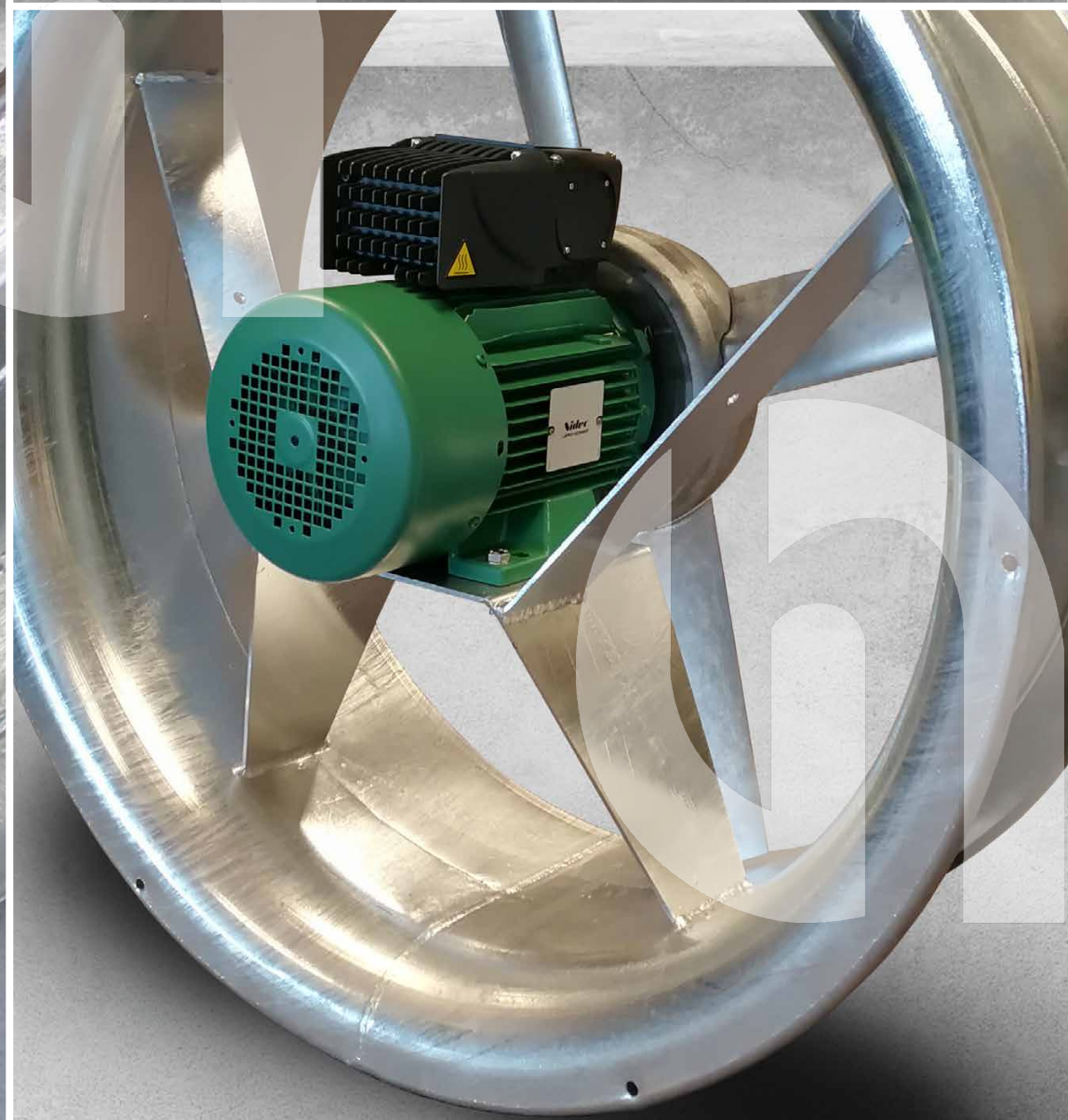
- Easy access in air mix chamber
- Safe for the operator







Ventilation



*Axial flow fan AFM*

- Different motor types, EC and AC
- Variable fan speed
- High air capacity
- High efficiency
- Low noise level
- MOD-bus control

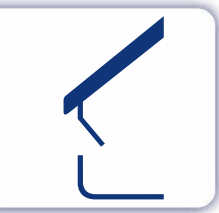




*Circulation fans*

- Prevents condensation
- Provides air movement above crop pile
- Build-in heating element
- Separate control of fan and heating element





*Hatches*

*Air inlet*

- Central hatch motor, with racks and pinions
- Multiple hatches driven by one motor
- Build-in limit switches
- Reliable and sturdy construction







Hatches



Air outlet

- Air outlet in ridge of the building
- Air outlet with hatch operation in the side wall







Heating

*Gas heaters*

- Modulating gas heaters for constant drying temperature
- High drying capacity
- Portable heaters for use in different cells





Humidifier

- Able to provide very high relative humidity
- Humidity without droplets
- Variable water capacity
- Crop safe, no droplets on tuber skin
- Adiabatic cooling, enables cooling with outside air; *Cold for free!*
- Easy inspection and operation
- Little air pressure loss
- No water purifier needed

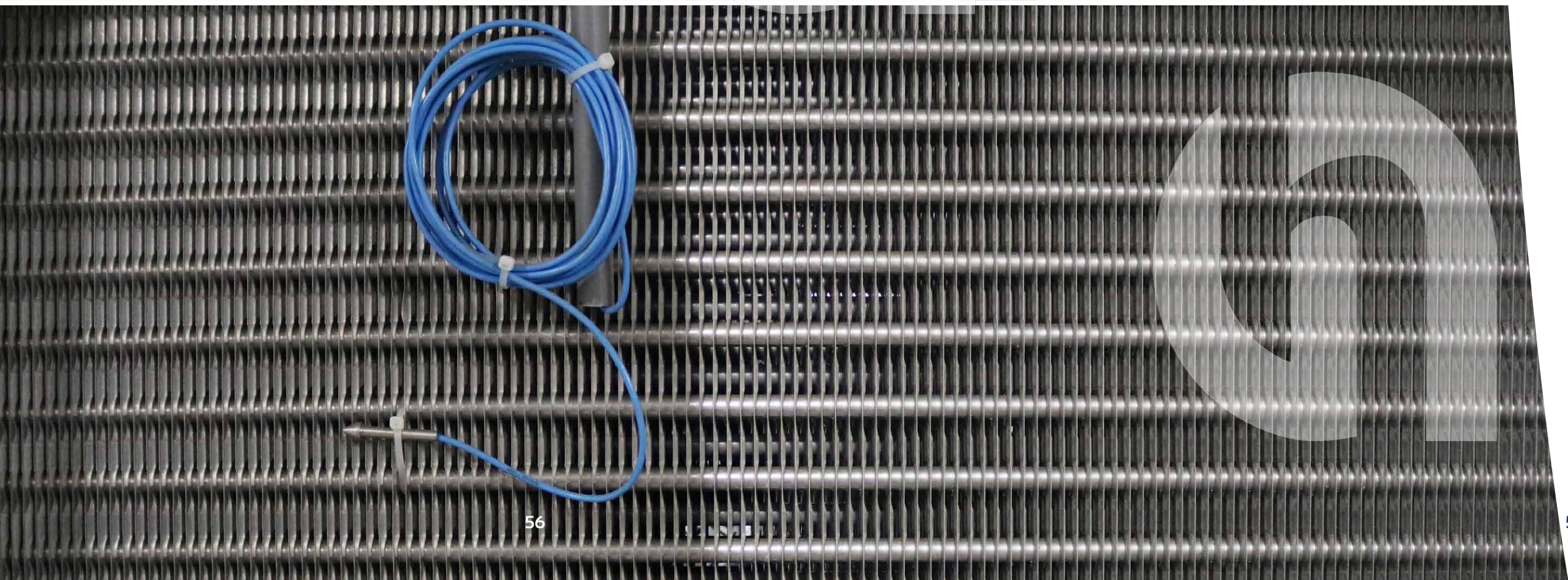






Refrigeration

- Integrated control of refrigeration system
- Integrated control of defrosting
- Full control of condensation drying







*Alarm pole*

- Easy storage system check
- Function and control information
- Failure indication
- Safety system
- Keeps everybody informed

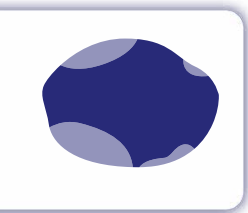




*Weight Watcher*

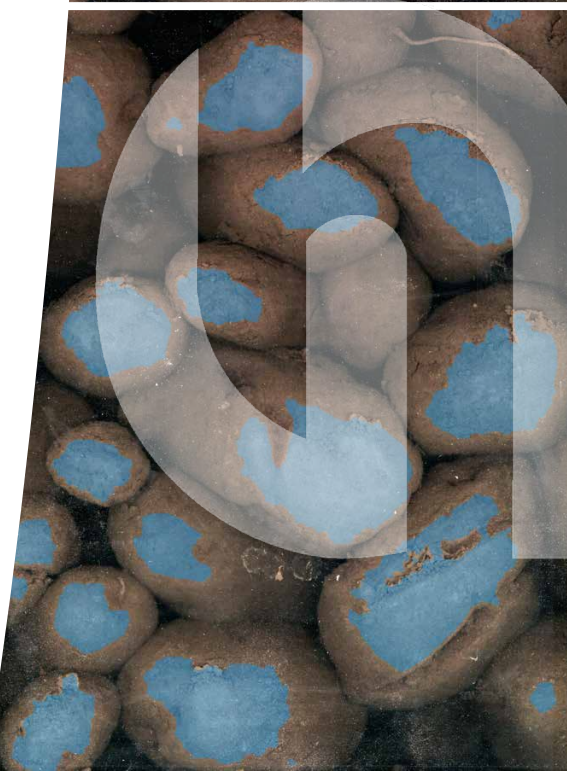
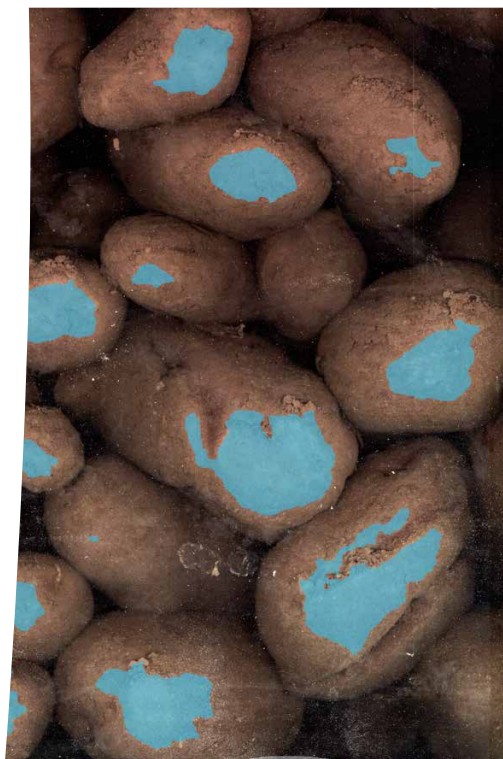
- Motivation tool for store managers
- Direct information of shrinkage, from day 1 onwards
- Offers information to improve storage results
- The only method to compare storage performance in an objective way





## *Pressure Bruise Monitor*

- Follow the increase of pressure bruises from day 1 onwards in the store
- For research purposes







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## Mooij Agro Part of the Hotraco Group

Mooij Agro is a Dutch company, operating globally, that creates and develops innovative ventilation solutions for growers and store managers for various arable crops. Nearly 40 years of experience in the agricultural sector, in-house R&D, strong hard- and software development support enables Mooij Agro to deliver cutting-edge technology and technical solutions. Mooij Agro also provides professional climate control systems and storage solutions.

We deliver customized product solutions based on our extensive knowledge and profound personal attention to individual projects. Mooij Agro is committed to offer customer security and complete support with regard to professional climate control and storage solutions. Over twohundred dedicated employees serve our customers across all continents. Mooij Agro was founded in 1981 and is part of Hotraco Group since 2001.