



# I never sleep. I learn everyday. How about you?

## Meet GRoW, the Tomato Harvesting Robot

As an always-on robotic co-worker, the GRoW tomato harvesting robot is available 24/7 - on your side and by your side.

GRoW brings a new level of control to the harvesting process, allowing more efficient and productive deployment of human labour.

## Will you pick the fruits of GRoW's labor?

The pros and cons of **human** vs. **robotic** labor in the greenhouse



### Shifts

8h

16h

#### Human

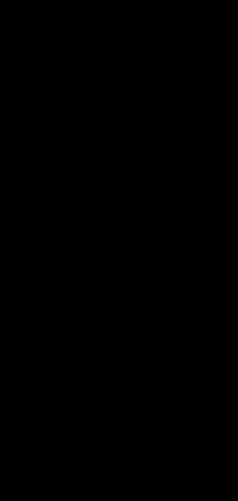
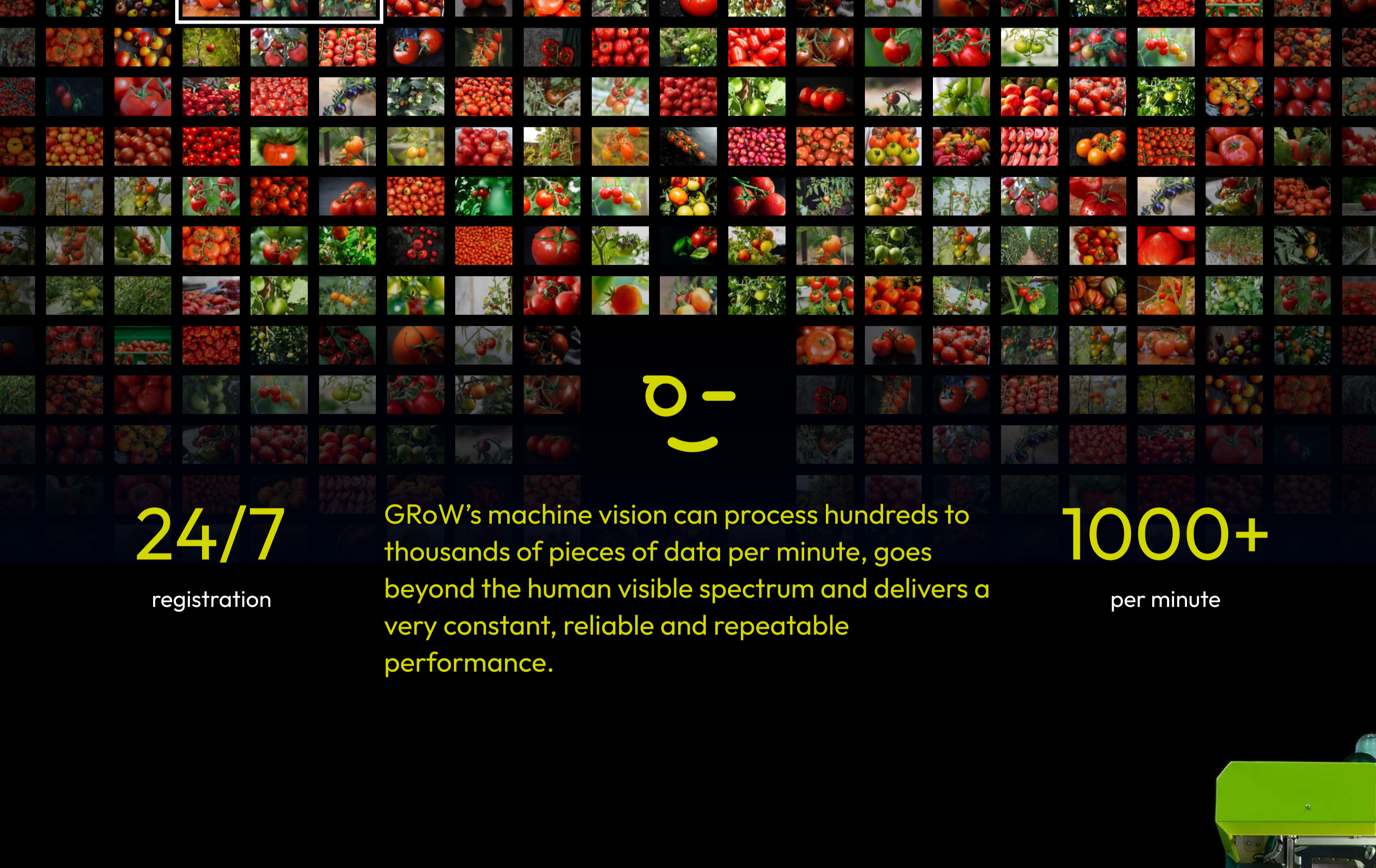
Human harvesters are limited to an 8-hour workday and are available 5 days per week.

#### GRoW robotic

16 hours shifts are expected to become the new standard in greenhouse harvesting processes. GRoW can work 24 hours and 7 days a week and doesn't mind working weekends.

## Vision capabilities

The human visual system can process complex information but is limited to a speed of 10-12 images per second. Fatigue and distraction decrease the quality of optical registration.

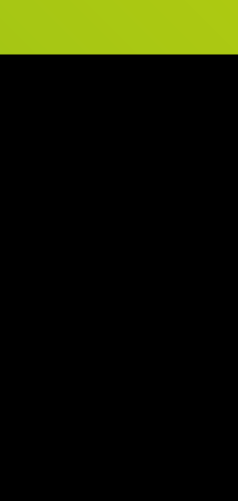


24/7 registration

GRoW's machine vision can process hundreds to thousands of pieces of data per minute, goes beyond the human visible spectrum and delivers a very constant, reliable and repeatable performance.

1000+ per minute

## Consistency



Humans are susceptible to delivering less consistent quality work when their focus decreases.

GRoW will continuously improve your overall harvest quality thanks to a highly accurate and consistent picking process.



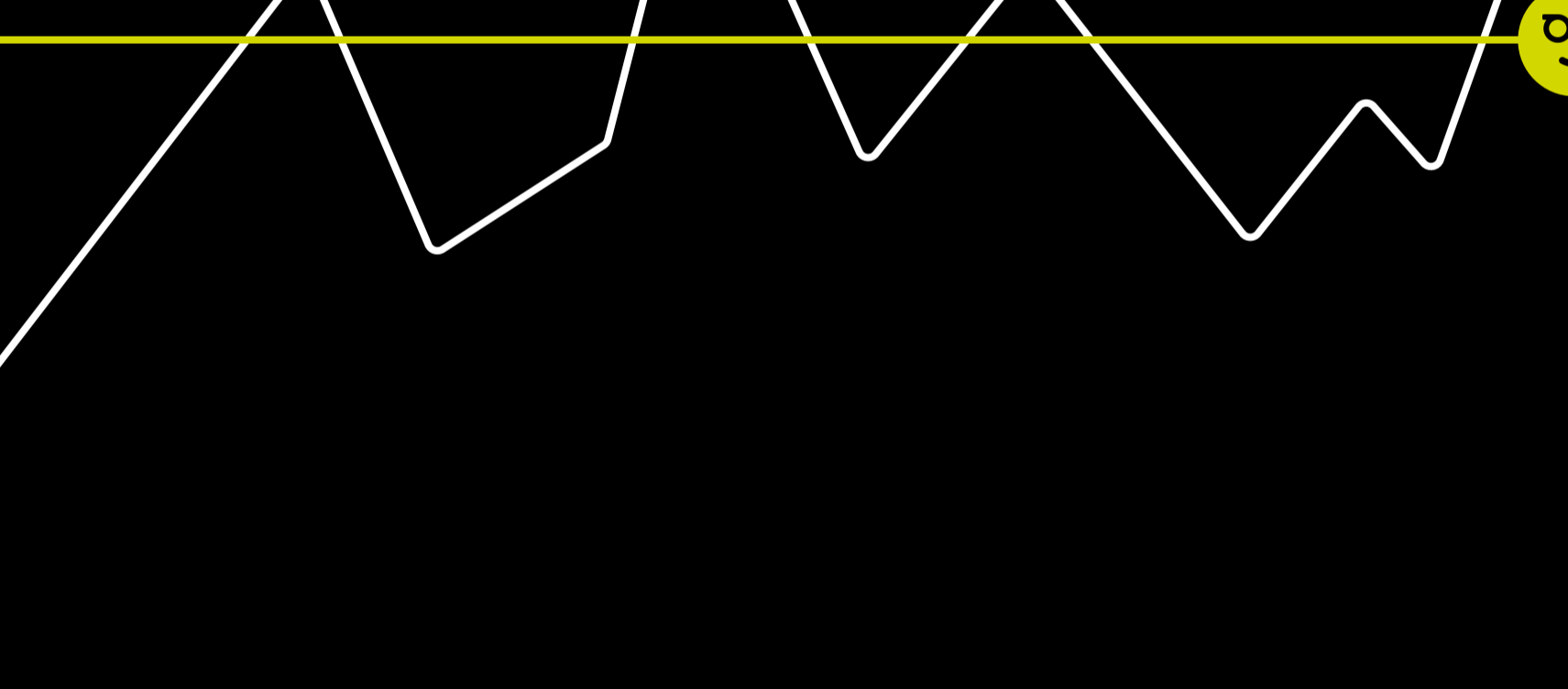
## Reliability

#### Fluctuating reliability

The reliability of manual labour can be affected by various human factors and failure.

#### Maximum reliability

Solutions such as GRoW's proprietary predictive maintenance software ensure maximum reliability.



## Working conditions

#### Harsh working environment

Working in a hot, humid greenhouse environment is challenging and strenuous for humans.

#### Can work in any conditions

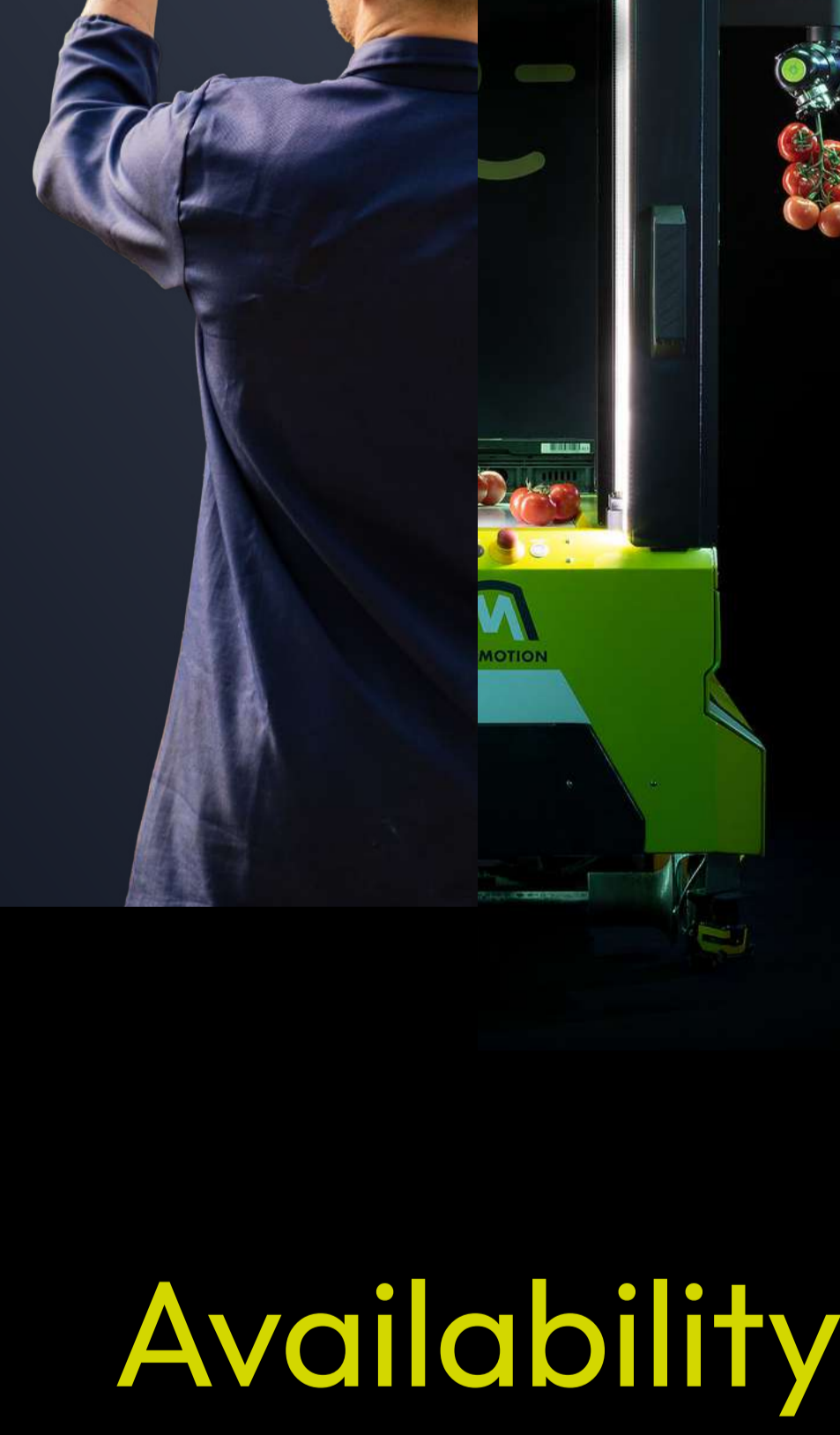
GRoW will constantly deliver high-quality output, even in the harshest climatic conditions.



## Trainability

#### Time-consuming

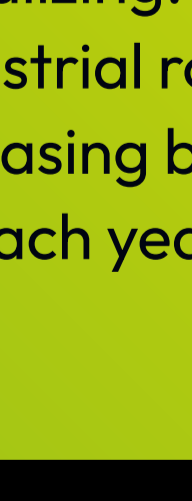
Repeatedly training inexperienced greenhouse workers is time-consuming for new employees and the labour manager.



#### Efficient learning process

Training robots is time-consuming but is rewarding; once completed, the intelligence can easily be transferred and multiplied to other robots.

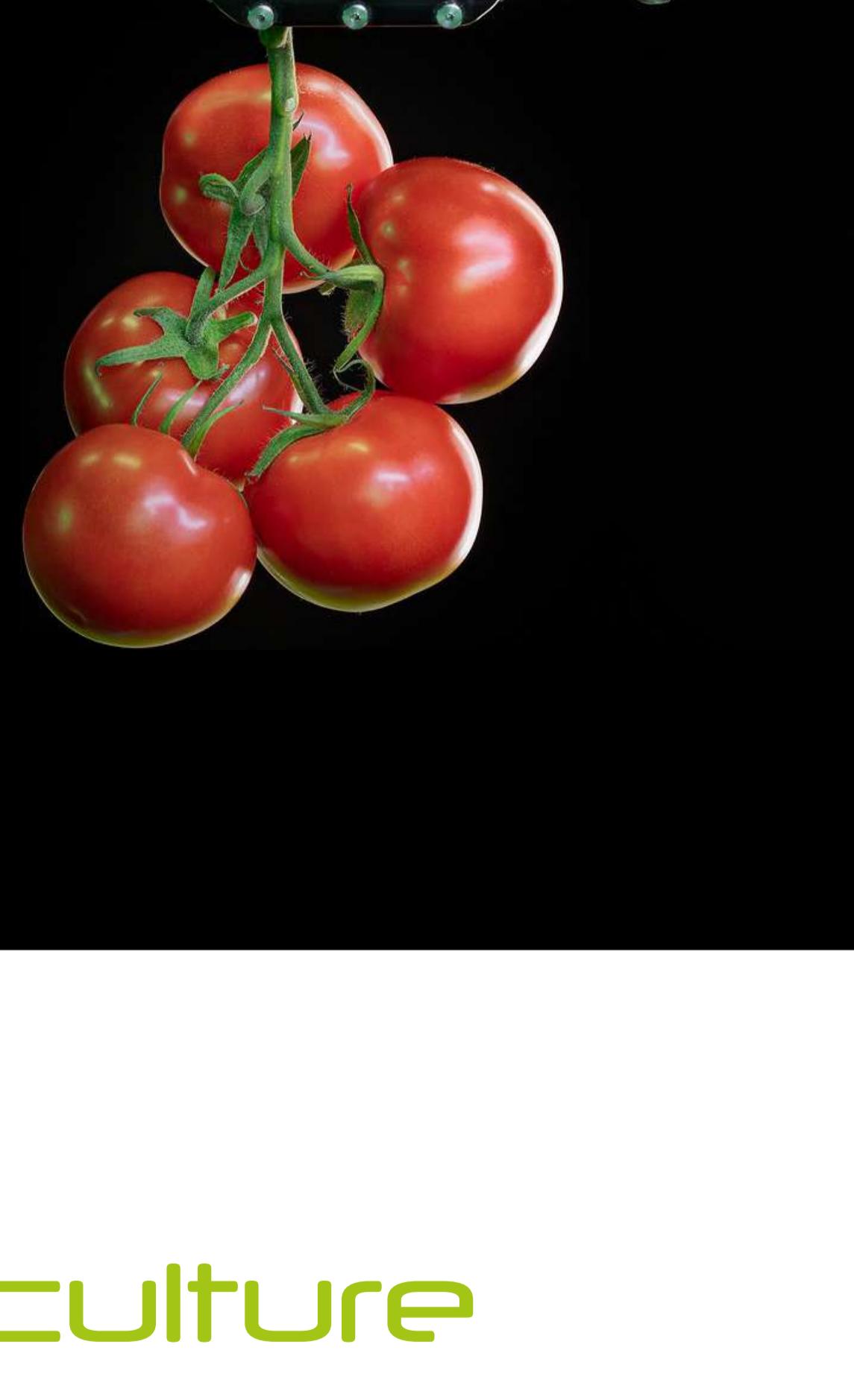
## Availability



Robots are always available, and the role of robots in manufacturing is normalizing. The use of industrial robots is increasing by 13% each year.

#### Labour shortages

An increasing amount of crops is currently being left unpicked due to staggering shortages in seasonal and permanent workers.



## Become a horticulture pioneer today

### Reserve your GRoW tomato harvesting robot

A greenhouse robotic tomato harvester that is always available, sounds like a dream (and it is). GRoW can work 24/7, which opens up opportunities for more efficient use of scarce human resources in your greenhouse.

GRoW is developed by Israeli robotics start-up MetoMotion. As result of a unique partnership, the robotic tomato harvesting robot is marketed and serviced by Ridder, a global leader in greenhouse horticulture technology.

### Secure yourself for the GRoW opportunity and:

- Reserve your spot on the waiting list.
- Be an innovator, help in the development and make GRoW a successful robotic harvester in your company.
- Be the first to hear when GRoW is available in your region.
- Be one of the first greenhouses with a GRoW robot in your region.



Your contact:  
**Joep van den Bosch**  
Chief Strategy Officer at Ridder

Do you want to be part of innovation?

Reserve your GRoW

