



**Weeding,  
transportation  
and  
harvest  
assistance** robot





*The first-ever completely  
autonomous electric robot  
designed for the mechanical  
weeding of crops grown in rows*





*Naïo Technologies believes that automated mechanical weeding will become a major asset to improve your working conditions, ensuring both the quantity and quality of your productions.*

*Oz was designed for market farmers, nursery gardeners, horticulturists and producers of aromatic and medicinal plants, to take care of weeding and free up time for tasks with higher added-value.*



***“In four hours, Oz can handle the same amount of work as one person working over two days”***

***“Oz is fully electric and doesn’t use pesticide. It makes our job easier and reduces our workload”***

Franck ECHARD,  
Market Gardener (Loir-et-Cher)







*“Oz is perfectly autonomous: its guiding system is safe and thanks to a special barrier, it can move through plants without causing any damage to their structure”*

Camille Pénisson, Horticulturist  
(Dordogne)

## AUTOMATING MECHANICAL WEEDING

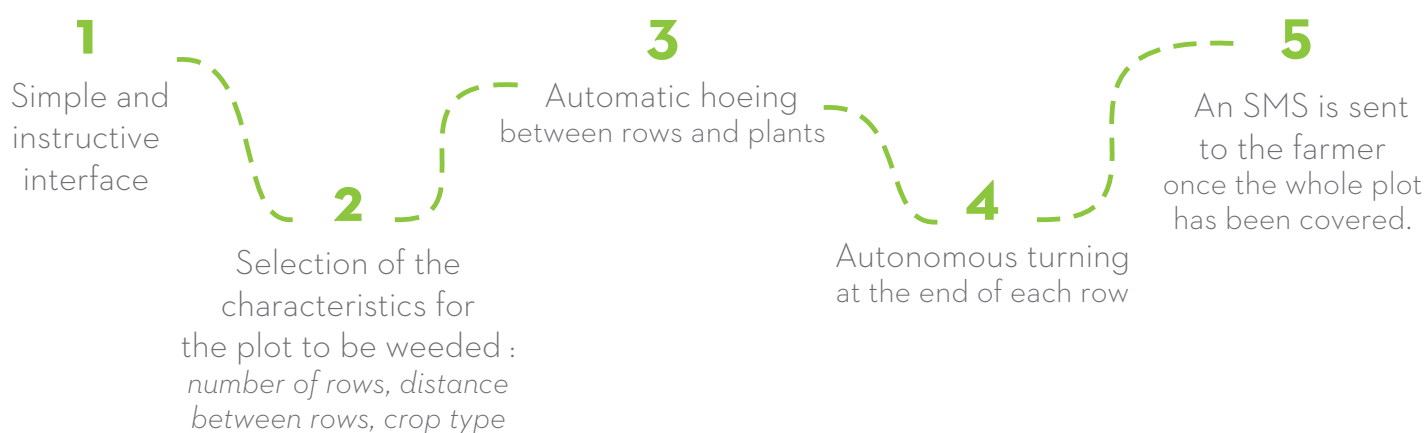
### How can you set up an automatic weeding tool on your farm?

When you choose Oz, you are also choosing the Naïo Technologies customer service department, whose responsiveness and competence will support you through the set-up for your automated weeding tool.

Our team and dealer network will work closely with you to adapt your tool to the specificities of your farm; from the first time you turn on the equipment to the moment where you master its use.

Our customer service department is on-call seven days a week to answer your questions and assist you.

### How is OZ autonomously guided?





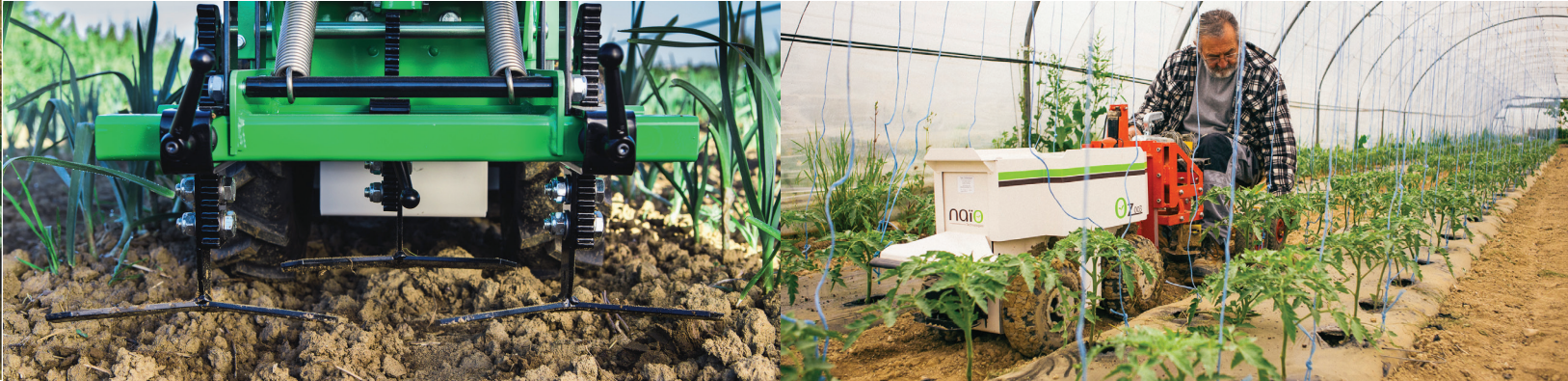
# TWO OPERATING MODES, TO SIMPLIFY YOUR EVERYDAY WORK:

## HOEING

Several tools are available for working effortlessly between rows and plants, for all types of soil: reduced weeding times, controlled grass weed, improved productivity.

## TOWING

Oz can be set up to tow a trailer (300 kg - 660 lbs) or seat: less arduous work, saves times on harvest, trellising and debudding.



Save time



Improve working conditions



Reduce agricultural inputs



Reduce production costs

## HOW OZ CAN HELP VEGETABLE FARMERS



Manage operating times



Favour more ecological production



No more maintenance worries



Market gardens



Plant nurseries



Seed production



Horticulture



Aromatic and medicinal plant farming

## WEED-LESS CROPS





## TOOLS

### Oz for more frequent weeding:

use once a week makes it possible to work around seedlings that are far more fragile when faced with more conventional tools .

Naïo Technologies has developed mechanical weeding tools for use between rows and between plants.



#### RIDGING BRUSH

##### Use:

Covers and suffocates weeds growing amongst crops.

##### Operation:

The brush cover the rows with soil, suffocating weed grass.



#### STRAIGHT TINES

##### Use:

Breaks up compacted soil.

##### Operation:

Depending on the type of soil, three, four, or five tines can be used. Each tine works at a depth ranging from 2 to 5 cm (0,8 to 2 inches) and a width of 4 cm (1,6 inches).



#### LOW SPIKED HARROWS

##### Use:

Removes grass weed from the roots.

##### Operation:

Either five or ten spikes scrape and vibrate through the soil, pulling grass weed out by the roots.



#### HOE BLADES

##### Use:

Removes weeds between rows.

##### Operation:

Each blade works at a depth ranging from 2 to 3 cm (0,8 to 1,2 inches) and a width of 20 cm (7,8 inches), guaranteeing at least 90% weeding efficiency.



#### TORSION SPRING

##### Use:

Removes seedlings growing between rows.

##### Operation:

The spring scrapes the soil along the row and retracts upon contact with roots. Various stiffnesses available.



#### TRANSPORT TOOLS

Seat with draught beam  
150 kg (330 lbs)

High-side trailer  
300 kg (660 lbs)





## TECHNICAL CHARACTERISTICS

<b>Application</b>	Vegetables, nurseries, horticulture
<b>Dimensions</b>	45x100 cm (18x40 inches)
<b>Weight</b>	110kg (240lbs) without tools / 150 kg (330lbs) with tools and masses
<b>Energy</b>	100% Electrical - Lithium batteries from 40 to 100 A
<b>Autonomy</b>	From 3 to 10 hrs, depending on tools and soil
<b>Navigation</b>	Guidance with camera and laser - Precision of 2cm (0,8 inch)
<b>Speed</b>	Up to 1.5 km/hr. (0.6 mph)
<b>Traction</b>	4 driving wheels
<b>Work rate</b>	1000 m in 1 hour (1093 yards in 1 hour)*
<b>Other</b>	Communication by SMS - Anti-theft tracker


*\*On light soil, can vary depending on the conditions of use.*

**IN 2018,  
ALMOST 70 OZ  
ROBOTS INSTALLED**



 80 %  
in France

 15 %  
in UE

 5 % in the  
rest of the world





# OZ, AN ECO-RESPONSIBLE ROBOT

100% electric - Designed and made in France

2-year warranty



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