

Field rows, Tunnels



- ✓ Harvesting strawberries
- ✓ Asparagus (white & green)
- ✓ other vegetables (cabbage, pumpkin)
- ✓ planting and tending tasks on crops

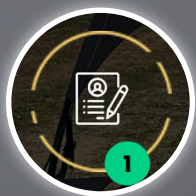
VALERA is a fully autonomous crate transporter that handles the transportation of up to 650 kg of harvested crops from pickers to central collection points. Equipped with optical recognition technologies, it navigates autonomously and precisely along plant rows, increasing productivity by 30-40% (in kg/h) without the need for external infrastructure. Unproductive times are eliminated, walking distances reduced, and strain on muscles minimized.

VALERA is ready for immediate use, operates independently thanks to solar power, and offers high maneuverability. The platform is robust and reliable, making it ideal for use in row crops and tunnels.

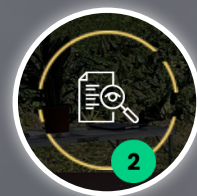


VALERA FLEX

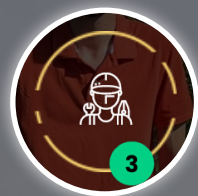
In 4 steps towards your individual robotic solution



MAKE APPOINTMENT
FOR INDIVIDUAL
ON SITE CONSULTATION



APPROVE YOUR
SPECIFICATIONS



RECEIVE UPDATES
ON PRODUCTION



VALIDATION OF
PLATFORM ON SITE

Contact us or one of our resellers:

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ANT  ROBOTICS



SAVE COSTS
and
RAISE
PRODUCTIVITY
by up to **40%**

Revolutionizing
fieldwork
with
autonomous
robotic solutions



We develop
PRACTICAL SOLUTIONS,
that help **FARMERS,**
SAVE MONEY from day **ONE**

The pressure in specialty crop cultivation has increased noticeably in recent years. In particular, the lack of available seasonal workers and rising minimum wages make it difficult to grow high-quality, regional fruit and vegetables profitably. These challenges make day-to-day operations increasingly demanding and cost-intensive.

One possible solution lies in the integration of collaborative robotics into existing planting and harvesting processes. Through the implementation of these innovative technologies, an increase in performance of up to 40 % can be achieved. This means not only greater efficiency, but also a reduction in the workload of your workforce and optimization of your production processes.

By relying on modern technologies, you can secure the competitiveness of your business and at the same time make an important contribution to sustainable and regional agriculture.

Let ´s shape
the future
of agriculture together!



ANT ROBOTICS

Open field, Tunnels, Glass houses



- ✓ Agriculture
- ✓ Industry
- ✓ Research

ADIR is a robust, ROS-compatible open-source platform designed for versatile robotic applications, capable of handling loads over 400 kg.

The integration of various sensors, cameras, and tools makes **ADIR** ideal for use in fields such as agriculture, industry, logistics, professional cleaning, mining, and research.

With the provided GUI, **ADIR** is easy to operate and highly adaptable.



ADIR BASIC

Vineyards, steep terrain



- ✓ Transport
- ✓ Spraying
- ✓ UVC-applications

ADIR POWER is a reliable, flexible, and robust robotic system. The configurable platform handles steep inclines and carries loads of up to 600 kg.

It is ROS-compatible and designed for both autonomous navigation and remote control, making it ideal for combined indoor and outdoor operations. With a wider wheel-base, more powerful motors, and a 48V system, **ADIR POWER** is built for continuous use in steep terrain. Perfect for transport and maintenance tasks in orchards and vineyards, it comes equipped with lane-following assistance and obstacle detection.



ADIR POWER

Tunnels, Greens houses



- ✓ Transport
- ✓ Spraying
- ✓ Plant monitoring

ADIR SPRAY is an autonomous sprayer designed for tunnel farming and greenhouses. It is flexible, robust, and economical, suitable for both indoor and outdoor operations, including tunnels and greenhouses, and built for tough, continuous use.

With a water tank capacity of 150-200 liters and customizable nozzles, **ADIR SPRAY** offers a compact solution for various spraying applications. Its user-friendly GUI ensures ease of operation and versatility.



ADIR SPRAY

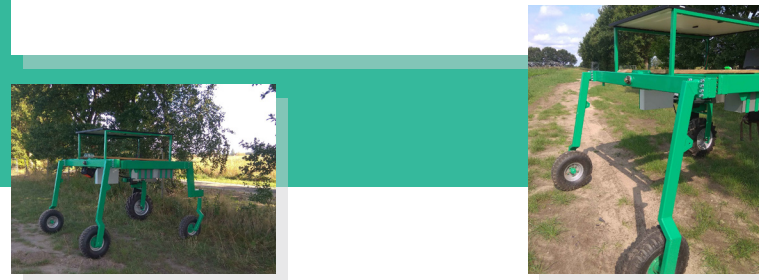
Open fields, Crop rows, Vineyards



- ✓ Soil analysis
- ✓ Spraying
- ✓ Tool carrier

The solar-powered, autonomous implement carrier **VALERA CARRY** is specifically designed for use in any outdoor environment and features a GPS-RTK deployment planner for precise navigation.

It can be flexibly adapted to the needs of field and vineyard work, allowing for tasks such as automatic soil sampling. This is just one of many configuration options that can be tailored to your specific requirements.



VALERA CARRY