

**NL Pavilion - Exhibition zone 1 - stand 17.**

France and the Netherlands are both striving to make agriculture more sustainable. As a result, both the French and Dutch governments are investing heavily in the digitalization and robotization of agriculture.

In the Netherlands, this is done through the National Growth Fund (investment programs such as NEXTGEN HighTech). In France, it's the FRANCE 2030 program. These two programs allocate tens of millions of euros to the development and application of digitization and robotization in agriculture and food production.

As Europe must strive to gain strategic autonomy and counterbalance the giants the United States and China, the need for synergy between investments and innovations in different European countries is evident.

For the second year in a row, the Netherlands Enterprise Agency (RVO), in collaboration with the Ministry of Agriculture, Nature and Food and the Dutch Embassy in France, is organizing a three-day Dutch Pavilion at World Fira.

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**For more information please contact:**

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The NL Pavilion will host 10 Dutch exhibitors active in the field of robotics & agrotechnology. Below the descriptions of the 10 exhibitors.



**Agxeed**

**WEB:** [www.agxeed.com](http://www.agxeed.com)

AgXeed provides an all-in autonomy solution. A smart and ready to use autonomy system with scalable and customizable hardware, virtual planning tools and valuable data models. AgXeed was founded in 2018 and has quickly evolved to become a world leader in autonomous agriculture. Innovative technologies are helping to tackle the global challenges of sustainable food production with the emphasis on protecting the soil, conserving resources and addressing the shortage of skilled labour.

Our AgBots are user-friendly, but also lightweight and thus able to work below the threshold for irreversible soil compaction. This prevents further soil degradation, promotes healthy plant growth and leads to higher yields. Our portal; AgXCloud enables farmers to proactively control and optimize their operations by seamlessly combining all phases of the seasonal farming cycle.

The AgXeed product range currently comprises three AgBots, which are currently available in over 20 countries, including Australia, Canada and major European regions. This market presence is supported by a network of highly qualified distributors.

**Aigro B.V.****WEB:** [www.aigro.nl](http://www.aigro.nl)

At AIGRO, we believe that by using technology we can improve yield and profitability, by reducing the use of chemicals, energy and labour. We developed a small electric autonomous tool carrier to enable growers to reduce the use of herbicides in an easy to use and effective manner.

The AIGRO UP autonomous tool carrier is developed for weeding, mowing, scouting and various other tasks. It is designed to be lightweight and yet powerful enough to operate 24 hours per day by utilising easily swappable battery packs.

The AIGRO UP is operated through a user friendly APP and cloud connected infrastructure, this enables 24/7 operation on the field.

**AvL Motion Groep B.V.****WEB:** [www.avlmotion.com](http://www.avlmotion.com)

Technology suitable for multiple pick & place solutions with high capacity in AgriCulture. First application selective harvesting white asparagus market ready.

AVL wants to make a sustainable contribution to the harvesting capacity of horticulture. That is why we develop robust and reliable technical innovations with meaningful returns. And so we succeed in inventing and building best-in-class autonomous harvesting robots for selective harvesting.

**Odd.bot****WEB:** <https://odd.bot>

Odd.Bot is spearheading the shift to sustainable agriculture by addressing the challenges of chemical and manual weeding. Our fully autonomous weeding robots currently provide a Weeding-as-a-Service solution, ensuring weed-free fields efficiently.

Introducing the Trailblazer program in the Netherlands, a collaboration between Odd.Bot and forward-thinking farmers set to introduce Robots-as-a-Service for farmers in 2024.

If you have weeding challenges, secure your spot at <https://odd.bot> and also stay updated on our new groundbreaking 'Maverick'- system, the autonomous mechanical in-row weeding robot with dual arms, which will be available for purchase in 2025.

Detailed Product Presentation of 'The Weeder' at World FIRA, a revolutionary autonomous implement featuring:

- In-Row Weed Detection: Utilizing advanced A.I. technology, it precisely identifies and removes weeds within crop rows, even in high-density crops, without causing harm to the crops.
- Chemical-Free Weeding: Providing a sustainable alternative to chemical herbicides, promoting environmentally friendly and organic farming practices.
- Instant Mechanical Removal: Weeds are instantly and completely removed, preventing competition with crops for nutrients, space, sunlight, and resources.
- Versatile Integration: This all-in-one detection and removal module can be seamlessly integrated by OEMs and system integrators into various (self-driving) agricultural machinery, expanding automation opportunities in the farming sector.

**Pixelfarming****WEB:** [Homepage — Pixelfarming Robotics](#)

Pixelfarming Robotics designs and manufactures advanced smart agricultural robots supporting biodiverse farming. We believe in robotic technologies in agriculture. The company was founded to revolutionize the way we farm. Together with our Onboarders we work on continuous development of sustainable solutions. By combining our knowledge with digital technology, we are ready for the future.

**H2arvester****WEB:** [h2arvester | Harvesting hydrogen on agricultural land](#)

H2arvester's solar cars are an 'extra crop' in the rotary cultivation of arable farmers and tulip bulb growers. For dairy farmers, the solar cars 'rotate' with outdoor grazing, providing a double use of agricultural land and generating extra income, with a maximum land occupation of 10% per hectare.

The autonomous solar cars are a platform for a multitude of robot applications: sensor equipment for seeding, weeding, fertilization, growth and/or crop disease monitoring and/or drip irrigation, as well as a carrier for robot applications for seeding, weeding, fertilization, growth and/or crop disease monitoring and/or drip irrigation.

**H2L****WEB:** [H2L Robotics | Home – English](#)

The tulip selection robot autonomously drives through the tulip fields using GPS-RTK. Cameras scan the tulips, after which an AI (Artificial Intelligence) network analyzes the images for disease patterns. The treatment robot then takes care of treating the leaves.

**Wageningen University & Research (WUR)****WEB:** [www.wur.nl](http://www.wur.nl)

The Vision + Robotics programme is powered by Wageningen University & Research (WUR), with its century-long legacy of pioneering research in the domains of agriculture, food, horticulture, marine, and livestock. We harness this rich heritage and bring together a diverse team of experts in computer vision, robotic systems, AI, and spectral imaging from all corners of WUR. This unique synergy creates a powerhouse of tech-savvy individuals, united by a shared commitment to researching and developing high-tech solutions that benefit both people and planet. We work together with other WUR expertises and industrial and business partners to design smart vision and robotic systems for agri-food.

**VDL CropTeq Robotics****WEB:** [VDL CropTeq, robotics for deleafing, Pruning, Harvesting \(vdlcropteqrobotics.com\)](#)

We are practical and think in solutions. Convert ideas into results. Translate knowledge into technology. Apply technology in innovations. We help entrepreneurs in horticulture and agriculture.

- Application: Autonomous leaf cutting robot for high wire cultivation.
- Technology: Artificial Intelligence is the USP of our modular robot platform
- Products: The Croq Teq CDL 10 platform will do more than just cut leaves

**Ducksize****WEB:** [Ducksize Agriculture Robots](#)

Key innovation is a targeted online-first approach, to get more agri-robots to the right growers.

Ducksize is a specialist business service provider for AgTech innovation. Online and 'with toolbox in the field' (proof-of-concept, market introduction, etc.)