

Ted, the versatile vineyard weeding robot

In a collaborative project with the French IFV Institute for Wine and the LAAS-CNRS research lab for System Analysis and Architecture, Naïo Technologies has created **Ted**, the first electrically driven robotic straddler to autonomously weed vineyards.



At the international Vinitech-SIFEL trade fair, Ted received the **Silver Trophy for Innovation** in the category of Cultivation Techniques, which rewards projects that will impact the future of the wine sector.

Ted could first be seen in action weeding the experimental vineyards of the French South-West Vinopôle early this winter.

Ted, the vineyard robot that has multiple assets

Guided by lidar, camera and GPS, Ted's main goal is to mechanically weed vineyards and vine plants while airing the soil in order to help vineyard owners save precious time thanks to different tools.

However, Ted will also be able to complete other tasks, such as mowing, debudding, trimming, spraying and collecting data.

The R&D test series will be launched this winter with the help of four wine growers. Ted is expected to be marketed in 2018.



Technical data

- Autonomy: 8 to 10h
- Speed: 4 km/h
- Large vineyards: 2m to 3m
- Weight: about 600 to 800kg (depending on battery type)
- Size: Length 2.30m / Width 1.80m / Height 2.10m (adaptable)
- Work debit: 5 to 6 ha/day

To see Ted in action:



<https://www.youtube.com/watch?v=rsAoTBIFRoQ>

To learn more about Ted:

<http://www.naio-technologies.com/en/agricultural-equipment/vineyard-weeding-robot/>