AGREENCULTURE



Christophe Aubé CEO AGREENCULTURE

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LES ENJEUX DE L'AGRICULTURE





The use of

pesticides allows to spare up to 20 times in comparison with an equivalent mechanical weeding



Worker are up

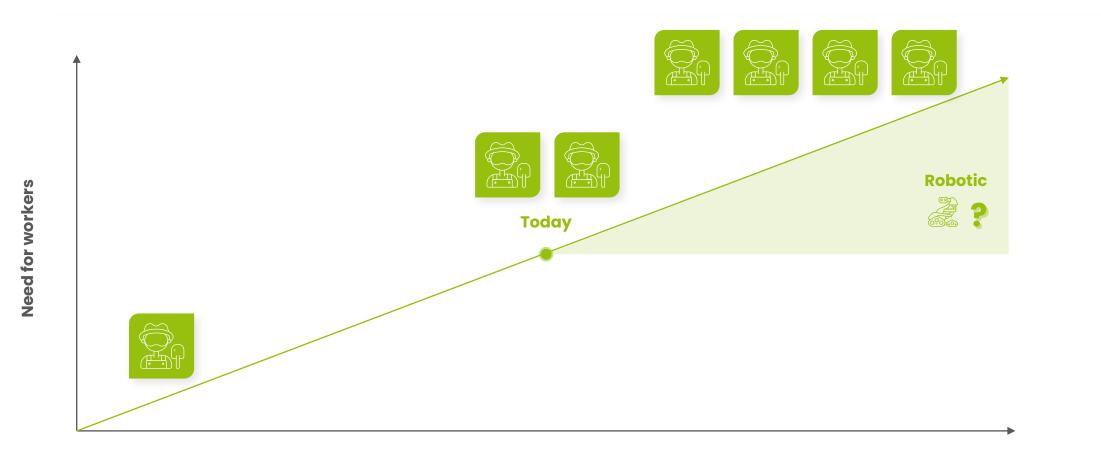
to 400 times more expensive than a pesticides + spraying application



price

Our farming production model has to change to something else?

AVAILABILITY AND NEED OF FARM WORKERS IN THE WORLD



Expectation in sustainable food

FARM ROBOTICS : A SOLUTION FOR SUSTAINABLE FOOD PRODUCTION



PRECISION FARMING : FIRST STEP FOR AGROECOLOGY



Robotized Mechanical weeding for vineyard

Less herbicides



Robotized Precise

mechanical weeding for corn

Less herbicides Less soil compaction



Spot spraying

Less herbicides (- 70%)



Fleet management with tractors

Less herbicides Less soil compaction



Robotized Precise fetilization for corn

Less Fertiliser (-30%)

All those operations are possible thanks to accurate and high integrity guidance and positioning

AGREENCULTURE : SUPPORT SUSTAINABLE FOOD PRODUCTION THANKS TO ROBOTS





Agreenculture helps businesses meet the challenges of **safe** machine **automation according to 2006/42/EC** (machine directive)

We provide the technologies and the network of experts needed to make machines **autonomous**, **precise**, **intelligent**, **connected** and **safe**.

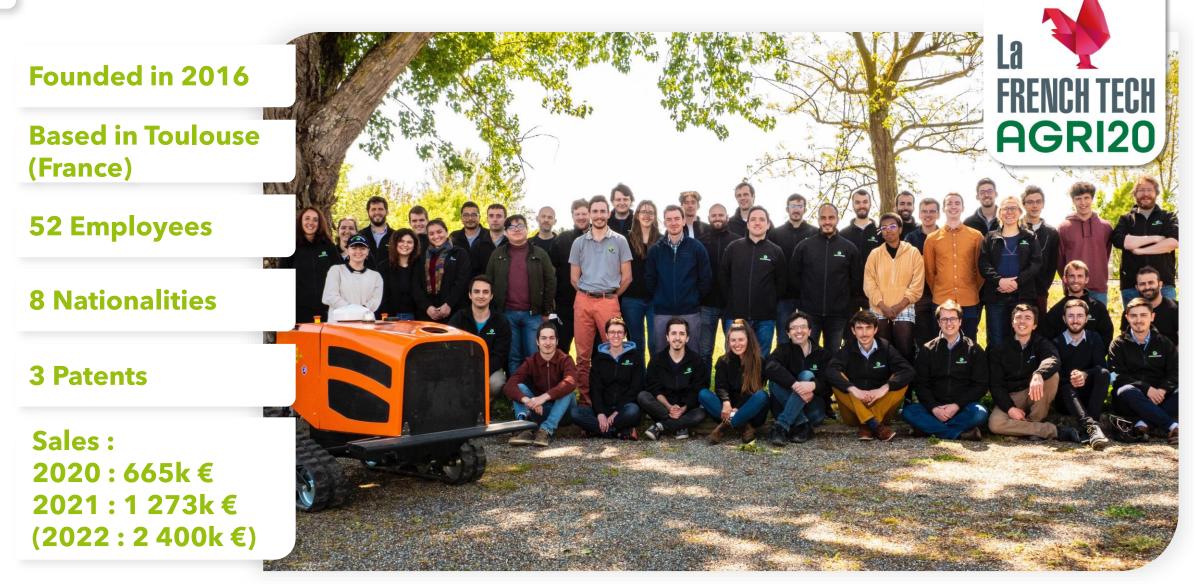
2 main **risks** to allow farmer to trust our solutions:

- Leave working area : SAFENCING
- Damage goods or people: OBSTACLE AVOIDANCE

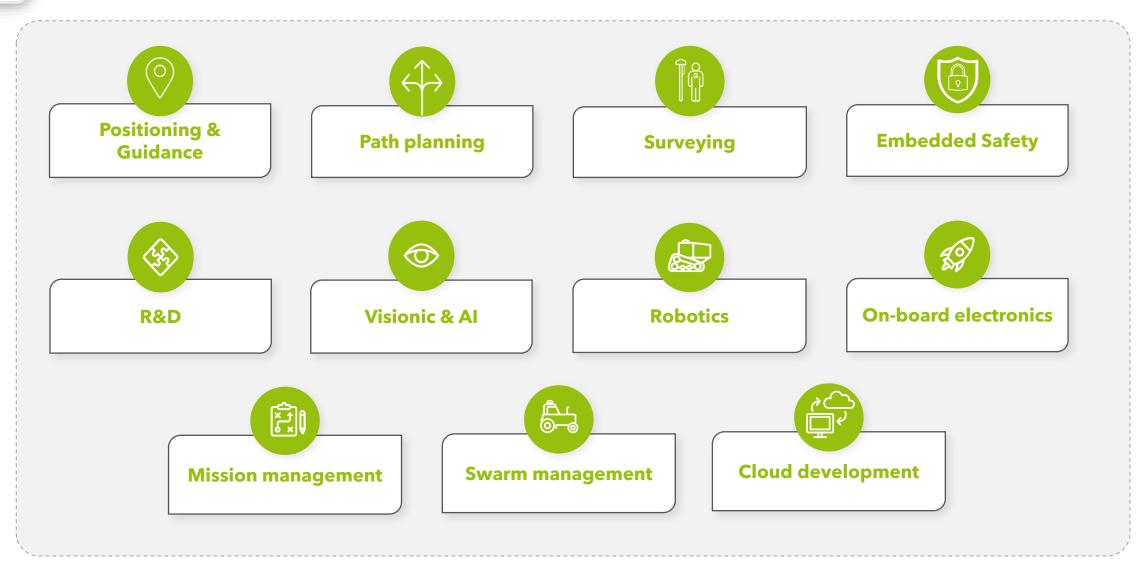




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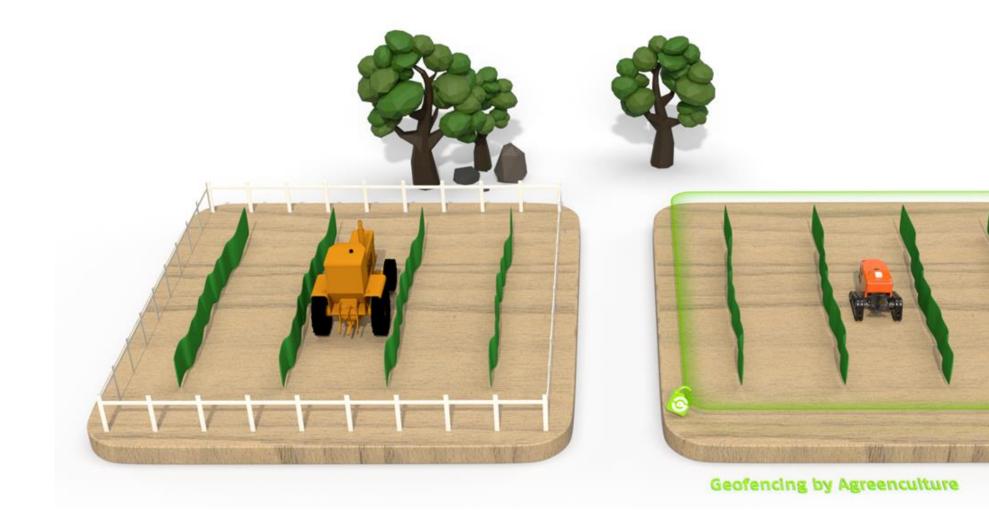








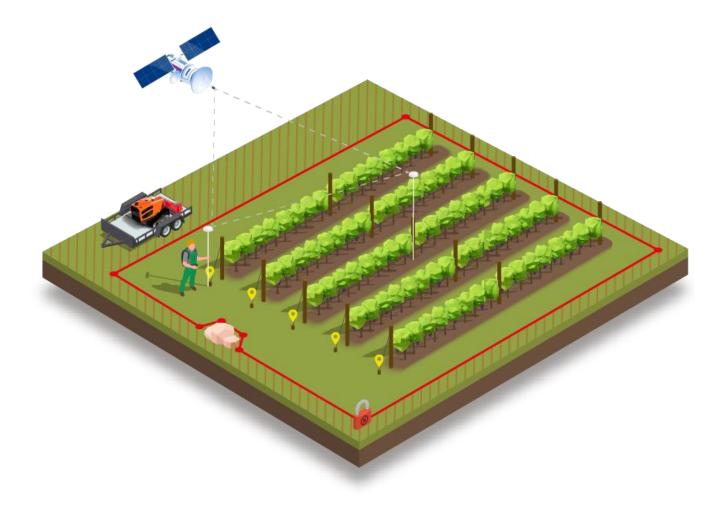






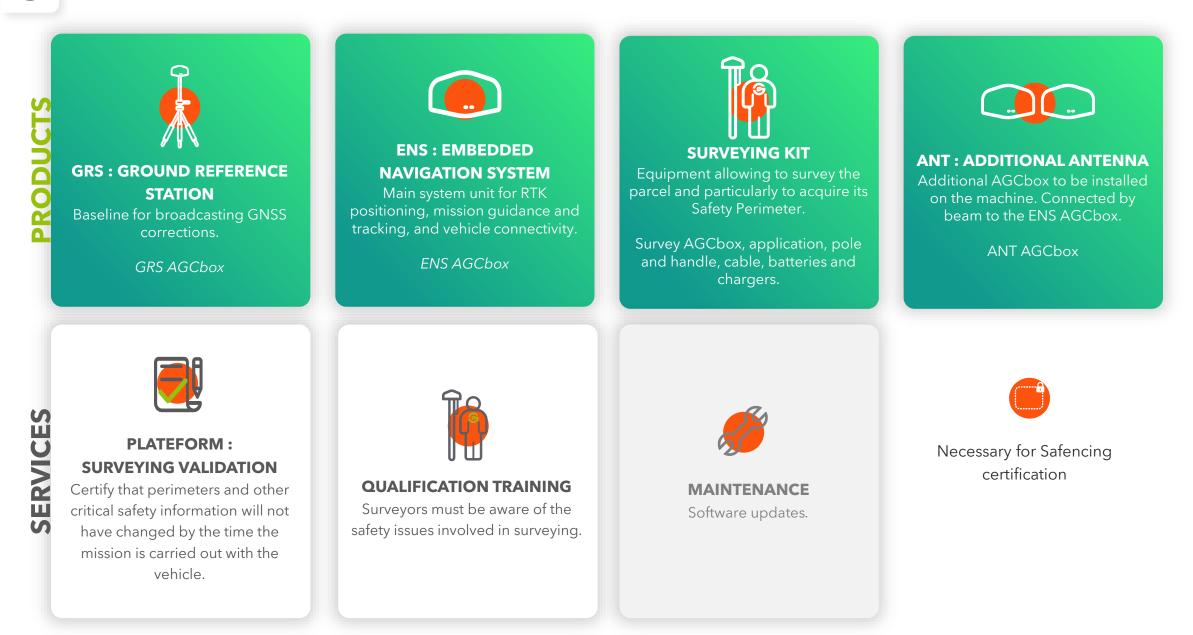


SaFencing[®] is a safety component within the scope of the Machinery Directive for autonomous machines, such as agricultural robots, whose safety function is to inform the machine if it is, or is not, in its defined working area, or if it is about to leave it. It is currently being certified to PLc level according to iso 13849.

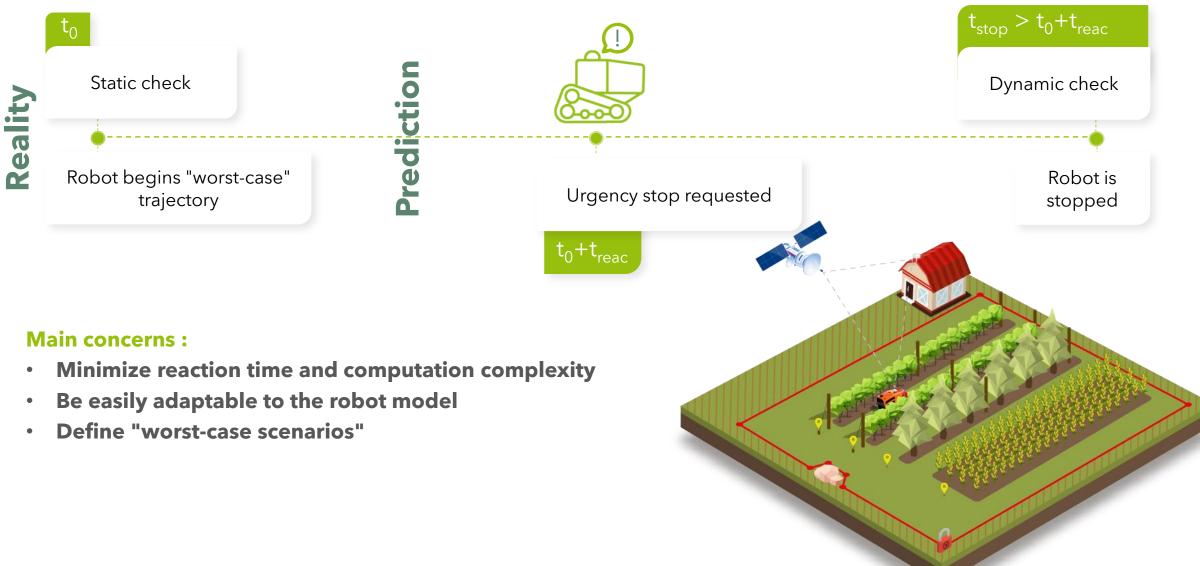




SAFENCING ® CONCEPT

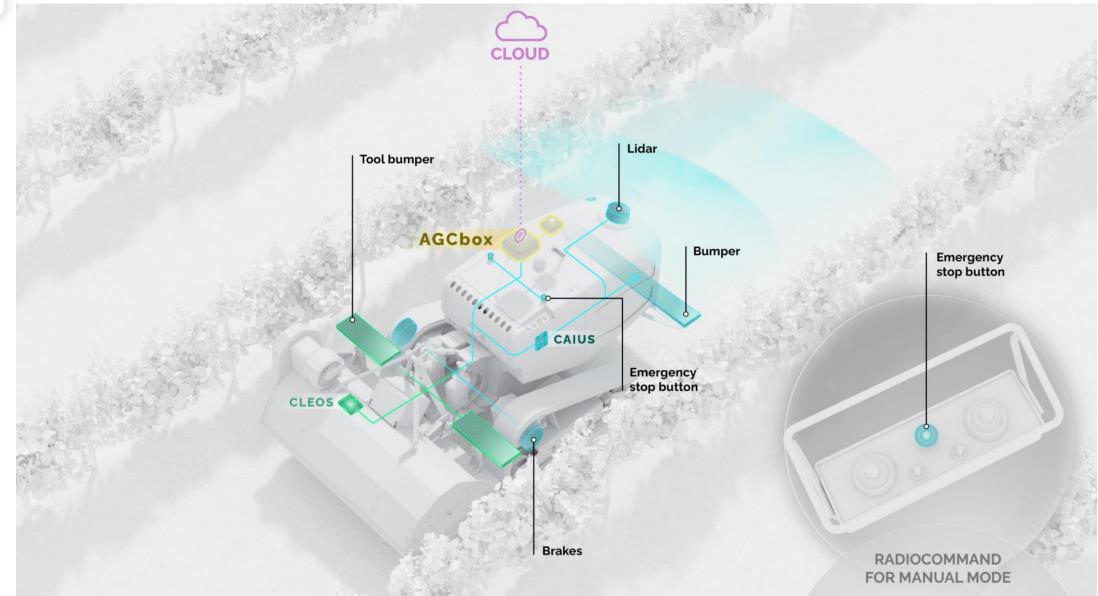


SAFETY CONCEPT : DISTANCE TO SAFE PERIMETER





SAFETY CONCEPT : COMPLETE SAFETY SKELETON TO FIT REGULATION



SAFE REMOTE OPERATION WITHOUT PHYSICAL FENCES (CERTIFICATION 2023)







Visit www.agreenculture.fr



