



HORIZON 2020

The EU Framework Programme for Research and Innovation

Sweet Pepper Harvesting Robot

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Partners:



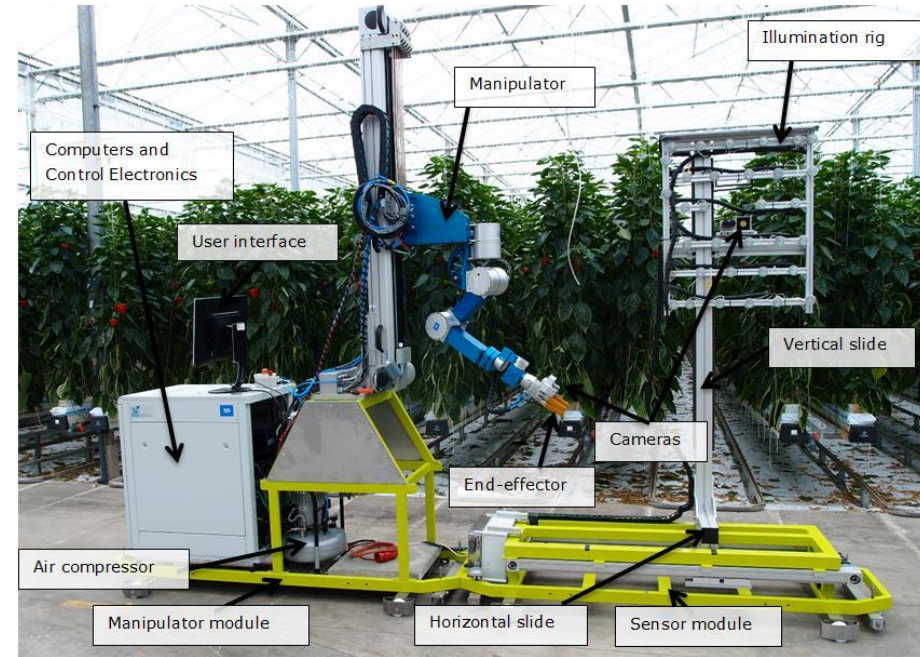
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Sweeper

A graphic element consisting of three curved lines in yellow, orange, and red, resembling a stylized 'S' or a swoosh, positioned below the word "Sweeper".

How? SWEEPER is a follow up of CROPS (FP7)

1. Using ROS
2. Using mechatronics (mechanics overcomes inaccuracies in detecting)
3. Visual servoing



4. Crop adjustment
5. Involvement of horticultural research station
6. Grower as partner



Impact on Greenhouse Horticultural Sector

- Maintaining a sophisticated greenhouse sector in Europe
- Lower labour costs
- More sustainable labour (low skilled labour replaced by high skilled labour)
- Better guaranteed food safety (cf. EHEC scandal)
- Higher quality (selective harvesting)
- Higher yield (by changing climate into a for humans unacceptable climate)
- New markets for robot suppliers (In NL only: 230 robots, 40 M€, for 30% of sweet pepper growers)

