ZEROW
innovations for zero food waste

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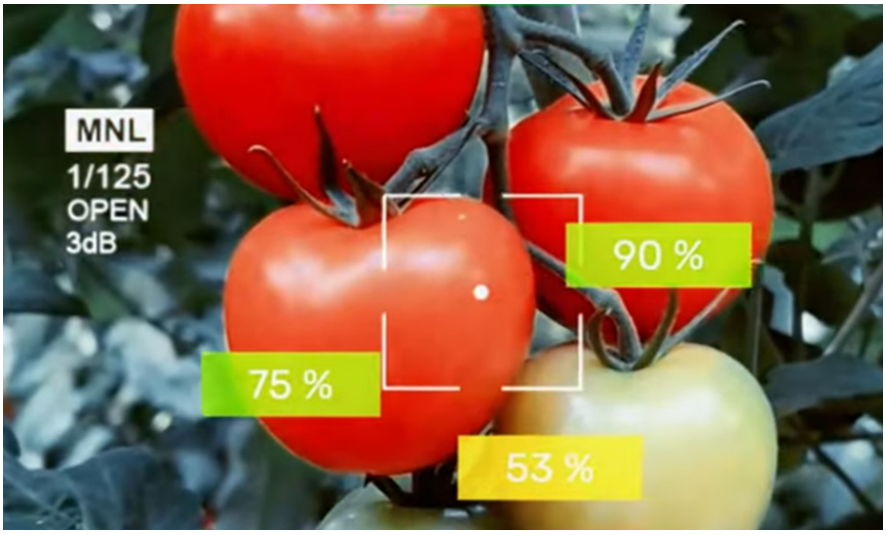

Yield predicted greenhouse solution

Betavia developed a computer vision-based system that allows greenhouse farmers to plan the yield of tomatoes a week ahead. This allows for managing consumption demand and supply chain with the highest precision. The crop plan can be adjusted according to the growth conditions to eliminate the demand surplus. In this way, the contractual obligation for production is met on time, and there is no overproduction of yield for waste.

The developed technical solution is quite versatile and can be applied to other purposes, such as scanning the greenhouse. The solution is easy to deploy in any greenhouse, consisting of at least two web cameras and a computer to accommodate computer vision algorithms.

The system can have other advanced calculation infrastructures integrated for faster calculations, data storage, and advanced visualization needs.

It is calibrated for tomatoes, but it can be developed in the future for other vegetables and fruits' prediction modelling ■