

Fresh Fruit Robotics

The 21st Century Orchard Management Solution

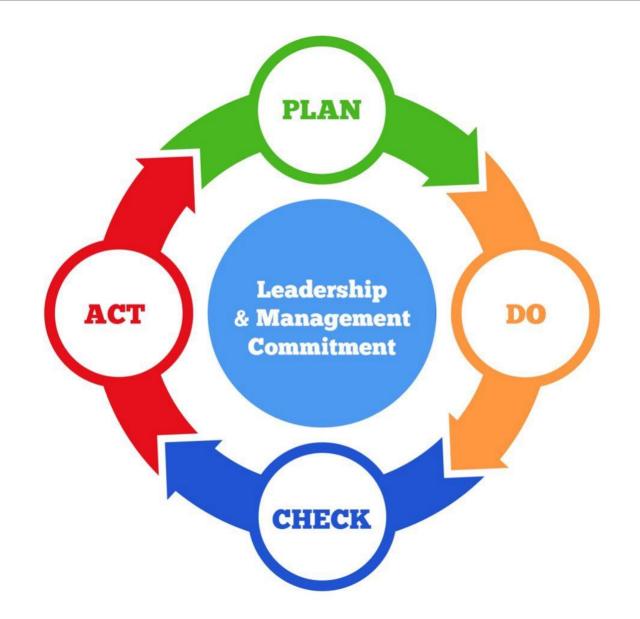
Orchard Solutions

Orchard Insights



Management System





Specialty Crops





Orchard Management System













CURRENT PRACTICE





CURRENT PRACTICE





April 2021









CURRENT PRACTICE









http://gussag.com/

1936

Modern Times Charlie Chaplin

Modern Times © Roy Export SAS



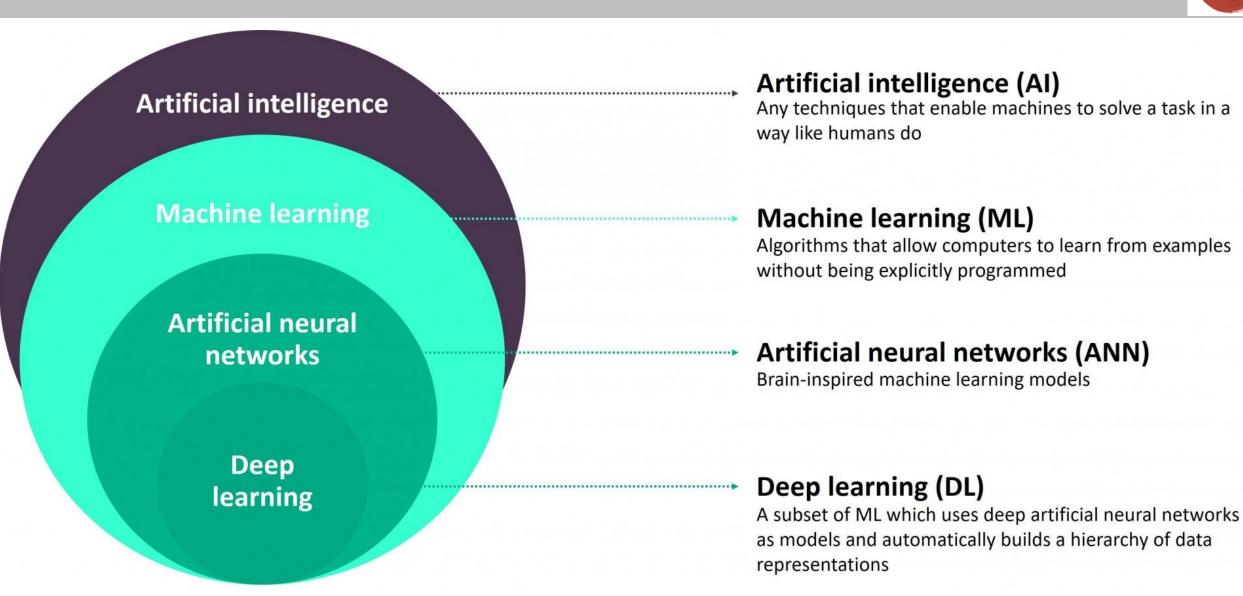


Bill Gates: the robot that takes your job should pay taxes ...





Artificial Intelligence & Machine Learning





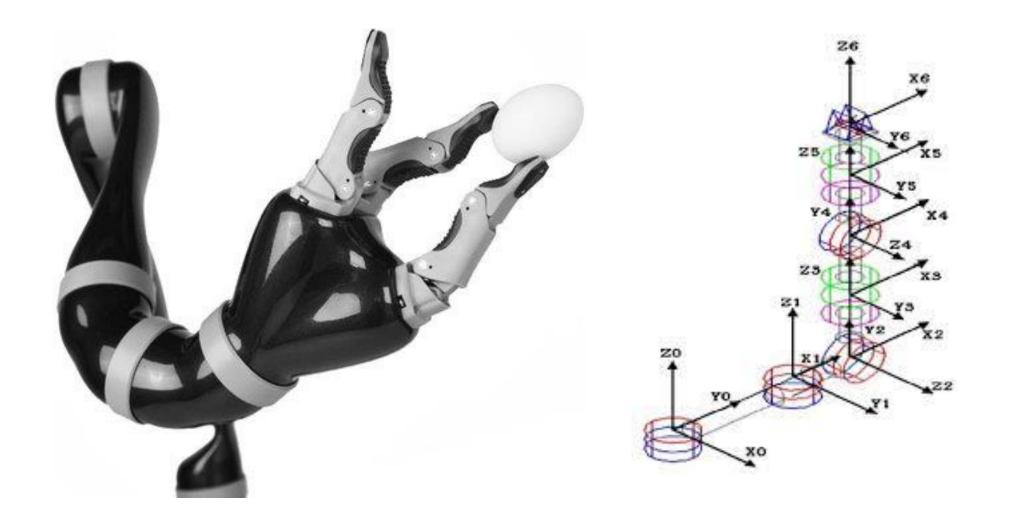
The Big Data



Data insights & impactful recommendations

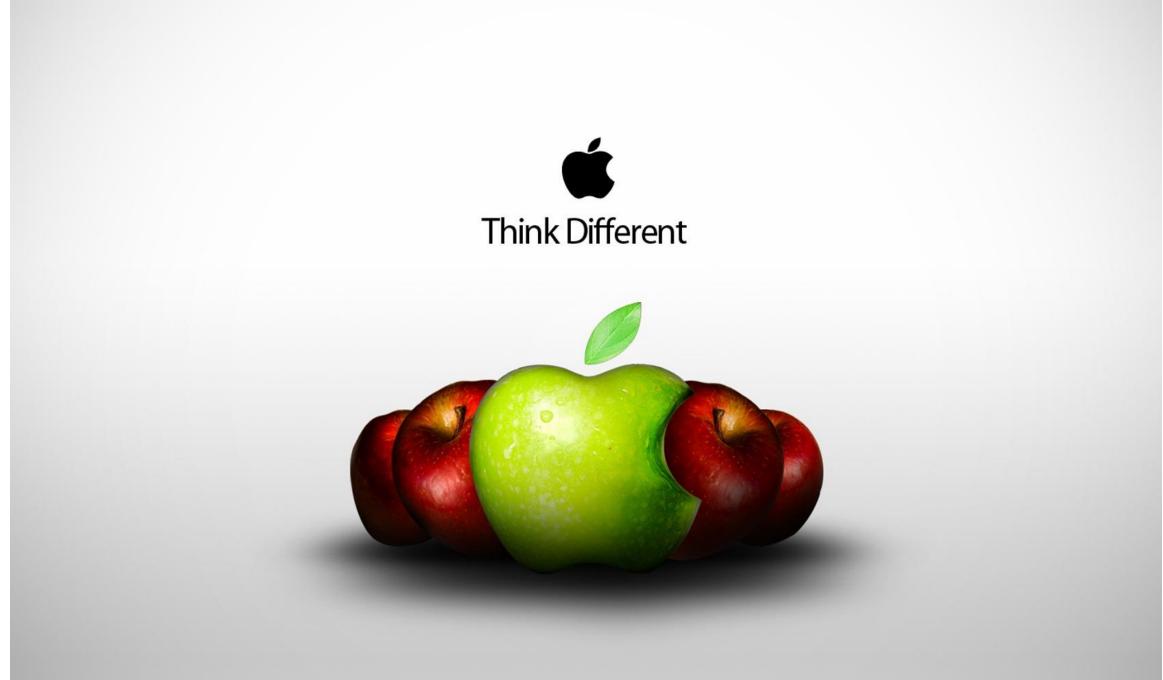












We need a paradigm shift



21st Century Orchard Management



<u>Cost & Quality Management</u> Mechanization Automation





Sustainability Documentation/Traceability Insights Action

Modern Orchards







April 2021







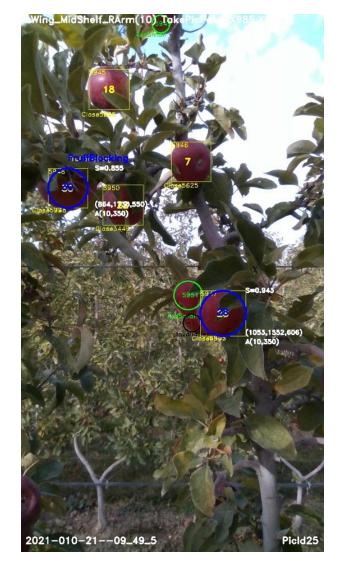
Automated Robotic Harvesting



Emulate Human Picker

- Look
- Analyze
- Identify
 - Location
 - Color
 - Size
- Pick/No Pick
- Path planning
- Reach
- Pick
- Place
- Learn

Artificial Intelligence & Machine Learning











Predictions



21st Century Orchard Management



<u>Cost & Quality Management</u> Mechanization Automation





Sustainability Documentation/Traceability Insights Action

Orchard Data Insights



- Cloud Services
- Integrate data inputs from other sources
- Reporting & data analytics
- AI recommendations based on grower's orchard & global data



Improve Fruit Production with FFR Integrated System

Automating & Documenting Critical Production Tasks Improves Fruit Production, Quality, and Sustainability



Value for the Growers – More Target Fruits



Minimizes labor dependency

Reduces harvesting costs

Improves fruit quality

Increases sustainability



Replaces 25 - 30 laborers per day

Operates 24/7

inciedses sustainability

The FFRobot increases productivity, reduces costs and increases producti Picks 4-5 bins per hour (8,000 fruit/hr.)

Easy to operate & maintain

Picks fruit per grower's pre-set criteria

Collects data for orchard analysis & traceability



"The development of agricultural machinery can be considered as almost completed."

Director of the agricultural academy of hohenheim, 1893



Fresh Fruit Robotics

.... is the fulfillment of a life-long dream to automate fruit harvesting

Orchard Solutions

Orchard Insights

