

DYGO POST HARVEST TECHNOLOGIES

Providing an autonomous solution for the post-harvest treatment of fresh produce.



Challenge

Established in 2022 by three visionary partners, DYGO Post Harvest Technology aims to revolutionize the post-harvest treatment of fresh produce through an autonomous solution. Our primary objective is to minimize damage incurred after harvesting while simultaneously reducing reliance on manual intervention in the ripening & storage process.



In developed nations, approximately 40% of fruits and vegetables are wasted due to inadequate ripening methods carried out manually, leading to spoilage. The consequential food loss has a profound and adverse impact on natural resources.

The system developed by DYGO aims to:



Bring fruits to the market in an optimal ripening condition, determined by the market demand and agricultural needs.



Extend the shelf life of fresh produce.



Significantly reduce fresh-produce loss from improper ripening and storage, lowering the overall strain on natural resources.

The DYGO system offers value to all its customer segments, including farmers, marketing networks, and retailers, through better management of harvesting, storage, and distribution.

Solution

The DYGO system operates autonomously, comprising a local controller and an integrated sensing device within the ripening & storage room.

Continuously gathering real-time data from both the produce and the room atmosphere, the system uploads this information to the cloud. Utilizing a machine learning-based algorithm, it conducts autonomous ripening & storage processes. Accessible through its mobile app, the DYGO system allows remote control, facilitating real-time data monitoring and manual intervention when needed.

This capability empowers users to adjust ripening & storage conditions within the room, either expediting or slowing down the process.

In automatic mode, users can specify the desired ripening & storage condition for the conclusion of the ripening process, with the system adjusting the estimated completion time accordingly.



[Watch the video](#)



The capabilities of the DYGO system offer the packing house the optimal means to manage the ripening or storage process across numerous rooms and facilities, thereby substantially reducing fresh produce loss due to improper ripening or storage. These features provide efficient tools for ensuring optimal produce quality and granting the packing house complete management control.

Presently, we are in the process of patenting several innovations we have developed, enabling autonomous ripening & storage processes without human intervention across a continuously expanding range of fruits & vegetables.

Key Partners



Yael Brandt
CEO

A senior executive with over 20 years of experience leading marketing

departments and global digital strategy across the retail and industrial sectors in public companies. held leadership roles at Unilever, Dor-Alon, and Mega, driving enterprise-wide digital commerce, AI implementation, and innovative product development, resulting in global recognition and multiple performance awards.



Yaron Maor
System engineer and Co-founder

Holds a Master of Science in Mechanical Engineering from the

Technion. Owner of "Maor Engineering" a company that develops and produces mechanics and automation solutions. Co-owner of "Mordot Kinneret" - an agricultural partnership that grows and packages fruits for the local and international markets.



Dany Lishansky
CSO and Co-founder

Holds a Bachelor's degree in Biotechnology from Tel- Hai College and a Master of Science in

Agriculture from the Hebrew University with research on mango storage. Has 30 years of experience in agriculture, farming, management, and consulting in agricultural and economic fields. Owns an agricultural farm in the Almagor village.



Ofer Maor
Data analyst and Co-founder

Holds a Master of Science in Mechanical Engineering from Ben-Gurion University and an

additional Master's degree in Biomedical Engineering from the Technion Institute. Offers extensive expertise in both mechanical engineering and process engineering. Serves as the Co-founder and Director of Engineering at 'Maor Engineering'.



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