

# GOgen™ Improves Post-harvest Biosecurity in Melon Packing House



<b>Crop</b>	Melons
<b>Unit Type</b>	2x GOgen™ A3000
<b>Irrigation System</b>	-

## Results

- ✓ Improved sanitation of melons post-harvest
- ✓ Residue-free treatment of melons in closed-loop water recirculation system

## THE CUSTOMER

### World Class Melon Grower in Honduras



Aerial overview of Agrolibano's fields in Honduras, and close-up of the melons before harvest.

Grupo Agrolibano is one of the largest melon growers in the world, with over 6000 ha of crops by the Pacific Ocean in Honduras. Agrolibano exports melons for the North American, European and Asian markets, and their operation is highly focused on state-of-the-art food safety and sanitation practices. They are also pioneers in incorporating sustainable practices in their growing and production processes in Central America.

In an effort to further strengthen bio-security practices and optimize water usage, Agrolibano was looking for a long-term solution enabling them to sustainably and safely reuse water in the post-harvest wash of the fruits. To this end they turned to HPNow, which recommended implementing GOgen™ systems for this operation.

## THE PROBLEM AND THE SOLUTION

## Enhanced Food Bio–security with GOgen™



GOgen™ production center at Agrolibano, composed of three GOgen™ A-Series systems.

GOgen™ improves and protects the packing house processes through cost-effective, safe and sustainable water treatment. The GOgen™ product line is designed specifically for the agriculture market. GOgen™ produces a safe concentration of Peroxide UltraPure™, a very high purity solution of hydrogen peroxide. Peroxide UltraPure™ is introduced in the water recirculated during the melon cleaning process, where it keeps the water clean and the produce safe.

Agrolibano installed three GOgen™ A-Series systems in its packing house. Peroxide UltraPure™ generated by the systems is introduced in a controlled manner in the recirculating water baths used in the melon cleaning process. As part of the melon post-harvest process, water quality is closely monitored by Agrolibano according to strict standards. This includes water analysis to ensure bacterial levels, including E. coli, are well below safety standards. Pedro Mejía, technical manager at Agrolibano, reports:

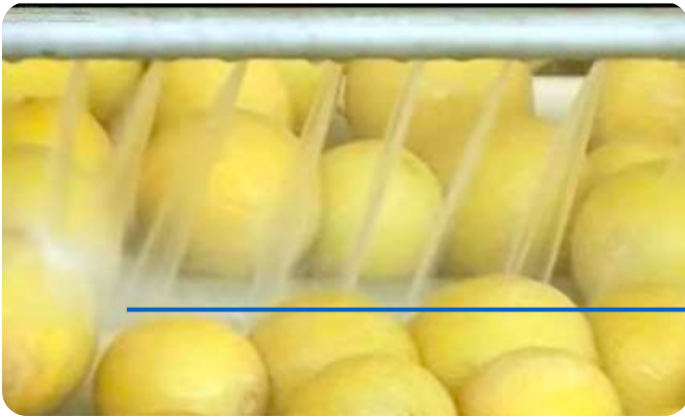
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**Following installation of the GOgen™ production center, bacterial levels in our post-harvest cleaning baths have been maintained well below safety thresholds. The GOgen™ systems represent a step forward in our food safety practices, as well as in our sustainability efforts.**

Pedro Mejía, Technical Manager, Grupo Agrolibano



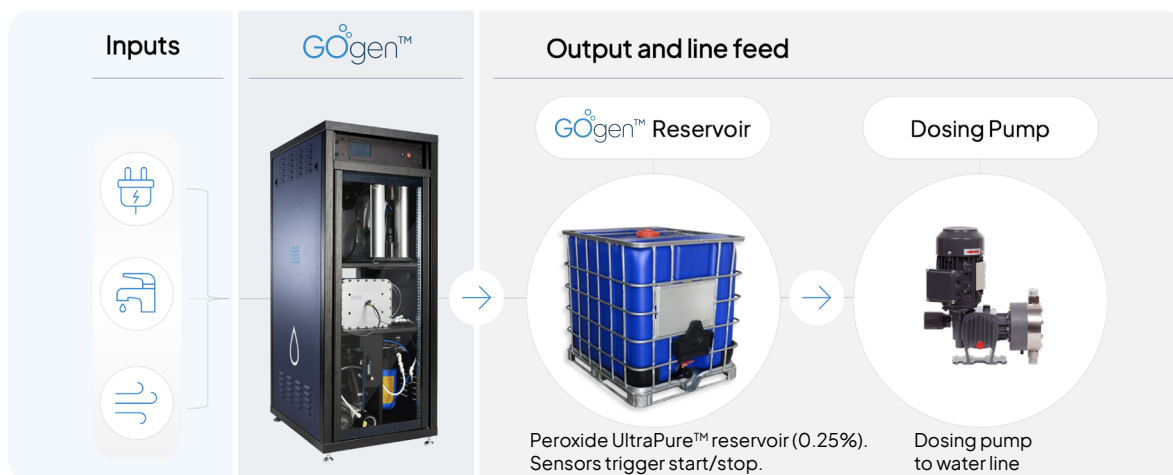
Post-harvest cleaning of the fruits at Agrolibano.



Detail of the melon wash process, and image of the packing house. Water used in the process is recirculated, and contains Peroxide UltraPure™ that keeps it clean.

## GOgen™ Setup


The GOgen™ systems were installed in a dedicated room and set to automatically fill a buffer tank with Peroxide UltraPure™. Dosing was done manually. The system operates completely autonomously, without need for user intervention. Peroxide UltraPure™ is generated at a concentration of 0.25%, which is very safe and poses no danger to humans, plants or equipment, but is strong enough to effect the desired operational results.



## About HPNow

HPNow is a technology and market leader in onsite green oxidation through its range of safe, sustainable, onsite hydrogen peroxide generation solutions. HPNow's solutions address growing global challenges in clean water and sanitation through autonomous, safe and sustainable green-oxidation solutions. Headquartered in Copenhagen, and with representation across Europe, the Americas and Asia, HPNow addresses their clients' water treatment needs in market segments ranging from agriculture and aquaculture, to industrial and drinking water treatment.

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