

CANTEK E-XPRESS

Our valuable companion who cares about our future.

We welcome the new year with excitement and hope again. We left the pandemic behind and started to concentrate on more significant issues. In 2022, we estimated that global food trade grew by 6% and reached 9 trillion USD. We hope it will be a year in which food produced is evaluated much more efficiently, and healthy and nutritional food enriches our tables...

enjoy reading...



FARMINOVA EFFECT AT MARKETING MEETUP

We were participant with our Farminova Plant Factories brand at the Marketing Meetup event held in Istanbul on October 18, 2022. We added purple and green colors to the event, which brought together Turkey's most important brands and the marketing world. Our Chairman Can Hakan Karaca, was a speaker at the sustainability panel.

The project of Farminova, which enables us to grow healthy, tasty and environmentally friendly foods all over the world, in every geography, for 365 days, attracted great attention from everyone who is aware of sustainability. In addition, our production cabinet in the foyer allowed many people to meet the agriculture of the future. It is a great pleasure for us to lead the way with innovation, sustainability and value-creating marketing.

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EXCEPTIONAL ENERGY SAVING OCTOSENSE

Today, while the investment cost of a 20 HP cooling machine is approximately 10.000 €, the energy consumed in 1 year reaches approximately 100.000 kWh, in other words 15.000 € (according to 1kwh=0,15 €). In today's world, where energy costs are increasing, we see that the annual electricity consumption is higher than the investment cost itself.

One of the biggest differences of Cantek in the sector is that it is aware of this situation and has been doing intensive R&D on energy consumption for more than 15 years. Thanks to the smart learning controller it has developed, it manages to keep the air temperature at the desired level by running the compressor much less in cold stores. By understanding the need of the cold room, it uses the cooling potential accumulated in the evaporators without any need to start the compressor.

According to the observations and analyzes we have made over the years, our customers pay much less electricity bills for their cold stores, they experience a great decrease in machine failures with much less defrosting. We would like to thank all of our customers who trust Cantek technology and contribute to our world and themselves by saving energy at significant rates.



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NATURAL COLD STORAGES OF NEVŞEHİR

Natural cold storages built by carving into tuff rocks in Kavak town of Nevşehir are home to lemons grown in the Mediterranean region. Every year, an average of 4 million boxes of lemons are stored in approximately 400 underground natural cold storages in the town, and they are sent to the country and abroad. In winter and summer, the internal temperature of the warehouse is between 3 and 7 degrees, while the humidity is around 95 percent. The yellowing of the lemon stored here and the thinning of the peel are provided to irrigate the natural blows. Keeping the lemon here increases its validity.

This is an advantage for our provinces such as Nevşehir that have natural food storage warehouses. However, keeping the food at certain humidity and temperature values continuously and storing it safely is only possible with modern cold storages.



CAUCASUS BEES ARE STRENGTHENING OVER WINTER UNDER SNOW

Producers of the Caucasian bee, one of the four most important bee breeds in the world, overwinter their bees in the open field and under the snow, despite the freezing cold. Their aim is for the bees to survive first and then to be healthier and stronger...

The endurance of the Caucasian bee in Ardahan, which is the only one in Turkey and one of the four most important breeds in the world in terms of cold resistance, has been tested with applications since 2014. In the experiments, it was understood that 40 percent of the bees that spent the winter indoors died due to humidity, light and sound, but this rate was only 2 percent in the beehives left under the snow. Many producers, who were cautious about overwintering their bees in the open field and under snow in the first trials, have started to leave their hives under the snow in the open areas during the winter months in recent years and are satisfied with the results.

OUR NEW SLAUGHTERHOUSE PROJECT IN GAZIANTEP

We have completed the installation of our Star Et modern slaughterhouse project in Gaziantep / Turkey. Facility with 400 cattle + 3.000 sheep&goats / shift slaughtering capacity will bring red meat to our tables in the healthiest and most delicious way.



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0% PESTICIT 100% HEALTH

Farminova manufactures and installs indoor vertical farms. There, it is possible to harvest continuous, healthy and sustainable plants all over the world for 365 days, in fully controlled environment. Imagine a fully hygienic and isolated facility where plants are growing away from any external threat. There are no insects, no chemicals residues, no climate effects, no humans... As controlled environments prevent any harmful effect, there is no need to war against external threats, so there is no need to use pesticides.

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WE PUT THE FOOD TO SLEEP

Human beings need to sleep to stay fresh. Fruits also need to sleep to stay fresh for long time. Controlled atmosphere systems reduce respiration by letting the fruit fall asleep. We put the food to sleep by reducing the temperature, oxygen and ethylene ratio. Thus, we aim to maintain nutritional quality by reducing stress levels. For the controlled atmosphere systems it is necessary provide cold stores, cooling, gastightness and CA/ULO equipment.

	STANDARD COOLING	ULO
APPLE	3 MONTHS	12 MONTHS
BANANA	2 DAYS	8 DAYS
PEAR	3 MONTHS	12-18 MONTHS
KIWI	2 MONTHS	6-9 MONTHS
BLUEBERRY	1-2 WEEKS	6-12 WEEKS
POMEGRANATE	2 MONTHS	3-6 MONTHS

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WHAT WE DID IN 2022



- We reached 77 countries with new sales to Kenya, Mongolia, Czechia, D. Congo and Sierra Leone.
- We increased the number of our employees to 395.
- We started selling Farminova Oyster Mushrooms in Migros supermarkets.
- We started our podcast broadcasts.
- We started the construction of our third factory.
- We were exhibitor in 17 fairs.
- We prepared 3322 different projects for our customers.
- We created 152 different contents and shared them with the world.
- We helped the loggerhead sea turtles to reach the sea.
- We hosted 7 student groups.
- We launched our mobile slaughterhouse on wheel.
- We hosted 42 business delegations and 200+ business people in our factories.



LAST WORD

As Cantek family, we wish everyone a happy new year. 2023 will be our year.