

CANTEK E-XPRESS

Our valuable companion who cares about our future.

FAO data shows that more than 828 million people are currently struggling with hunger. The disruption in the production and supply chain during the pandemic period exacerbated the problems. The solution to this problem is possible first by producing and increasing efficiency, and then establishing sufficient food storage and processing facilities to deliver the produced food to the consumer in healthy and economical way.

Enjoy Reading...



THE RISING STAR OF IFFA



Cantek mobile cattle slaughterhouse which attracted great attention, was the shining star of IFFA fair held in Germany in May 2022. It can be installed in any desired location and can be easily commissioned without any need of assembly.

Cattle mobile slaughterhouse, which offers a capacity of 12 heads/hour, is extremely practical and economical for anyone who performs small-scale slaughter in different locations.

[Click for more information...](#)

THE INSECT THAT INSPIRED COOLING TECHNOLOGIES

An insect inspired scientists making researches to develop environmentally friendly cooling technologies. This insect, called the longicorn beetle, can regulate its body temperature even in volcanic regions. Thanks to this feature, it is at the center of environmentally friendly cooling researches in many areas from buildings to electronic devices.

Starting from the insect's wing structure, scientists created a photonic film using common and flexible materials. This passively cooling film does not consume energy like as the systems we use to keep the temperature low in our cars and buildings. We will soon see what contributions the longicorn beetle will make to the cooling sector.



WHEN SHOULD WE CONSUME BANANAS?

Almost all of us love to eat bananas. So, which of the bananas standing on the shelves should we buy? The mature one? Or the greener one? The more black spots a banana has, the more its anti-cancer properties increase. The brown spots on this banana are due to increased TNF (tumor necrosis factor). Also, when a banana is ripe, we can enjoy the benefits of fiber, vitamin C, potassium, B vitamins and many antioxidants at much higher levels. Waiting for the banana to fully ripen maximizes these benefits. Also, ripe bananas are more easily digested in your digestive system.

On the other hand, unripe bananas also have their own benefits. These benefits include less sugar compared to ripe bananas, as well as the prevalence of probiotic bacteria that aid gut health. The downside is that unripe bananas can be a strain on your digestive system and can cause bloating.

What you should pay particular attention to for health and taste is that the banana you eat is ripened in a modern and hygienic facility.

1



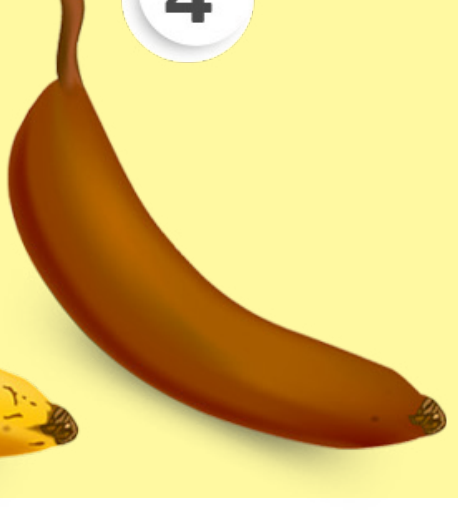
2



3



4



10%

Developed Countries

10%

Less Advanced Countries

THE RATIO OF FOOD EXPENDITURES TO TOTAL INCOME



In developed countries, the ratio of food expenditures to total income is approximately 10%. In less developed countries, this ratio rises to 50%. In developed countries, food storage and processing facilities are of sufficient quantity and quality.

Therefore, the food produced is used efficiently. The access to healthy and economic food is not a problem. There is a positive correlation between the development level of a country and the success of its food policies.

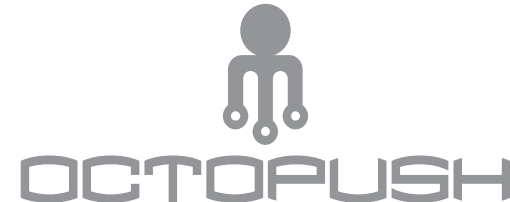
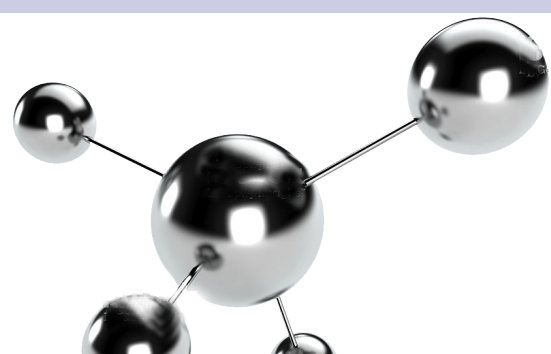
3 REFRIGERANTS TOGETHER

We took the advantage of cascade cooling system in which we used 3 different kinds of coolants in Yörükoğlu Dairy Processing Facilities.

We designed an energy efficient system that cools carbone dioxide and glycol with ammonia. Thanks to advances in this system, we provided the requested temperature values in 2 cooled delivery rooms (7 °C), 4 frozen storage rooms (-25 °C), 12 cold rooms (4 °C) and 2 rapid cooling tunnels (7500kg/h). Besides, we also minimized the environmental damage by means of eco-friendly cooling system.

We, as Cantek, are able to produce cooling systems by using all types of coolants such as freon, carbone dioxide, glycol, propan and offer special solutions according to our customer's area of usage.

[Click for more information...](#)



WOULD YOU LIKE TO MAKE 30% ENERGY SAVING ON AVERAGE?



Today, energy is one of the biggest expenses in food storage and processing industries. The smallest saving in energy consumption will turn into a massive gain on the annual basis.

One of the biggest achievements that CANTEK made for global cooling industry is producing technologies that provide producers with these energy savings.

The technology called Octopush:

- Operates the compressor 30% less on average
- Causes approximately 30% less defrost
- Decreases machine faults up to 75%
- Prolongs machine life up to 30%

[Click for more information...](#)



WE ARE PROUD OF OUR WOMEN ENGINEERS

We are deeply proud of our women engineers, representing 44% of our engineering teams, which are comprised of 76 engineers who have been developing our food security technologies for 30 years.

Thanks to our woman engineers who work in each and every field of the production process, new technologies are being developed in order to shape the future of the food.

Happy June 23rd, International Women in Engineering Day!

BENEFITS OF PROPER WASTE MANAGEMENT PLAN FOR SLAUGHTERHOUSES

Benefits of proper waste management plan for slaughterhouses:

The meat industry can generate additional products; livestock feed additives; pet foods; pharmaceutical and medical supplies and in many other areas. It is also important to avoid costs related to disposing of these secondary items. Using waste as fertilizer contributes to organic farming and can reduce our dependence on synthetic fertilizers. Additionally, waste water collected from facilities is treated and can be used for irrigation.

Cantek offers turnkey and full integrated slaughterhouses and meat processing facilities.



Cold chain for life!

LAST WORD

On June 26, we celebrated the world refrigeration day. The refrigeration sector, which is expected to grow at an annual rate of 11.6% for the next 10 years, is the most effective factor in ensuring food security.

See you in the next edition...

