

# FARMINOVA E-BULTEN



## NEW TECHNOLOGIES IN FARMING

About 10,000 years ago, mankind first started farming on Anatolian lands. Agricultural systems have evolved over the years. Manpower evolved into plow; plow evolved into tractor. Many technological applications began to be used in agriculture. However, along with this evolution, the negative effects of the past years were very remarkable.

In our days, humanity faces a dire picture. Our arable lands are both getting smaller and losing their quality due to climate changes in our world, increasing temperature values, decreasing water sources, barrenness, pollution and use of chemicals. In addition, global population growth and urbanization negatively affect arable lands. Different and innovative solutions are needed to feed people and provide them with quality food.

Today's solution in developing agricultural technology is greenhouses. However, greenhouses occupy very large agricultural areas and cannot provide continuous production. Sustainable agriculture requires new production systems. Systems that reduce human impact, that enable continuous and high-efficiency farming anywhere and anytime... The solution is plant factory.



## THE POPULAR THEMA OF THE RECENT SCIENCE FICTION SCENARIOS: "PLANT FACTORIES"

Many technological innovations we have seen in old movies are parts of our life today. For example, even if the mobile phone technology used in the "Star Trek", produced in 1966, had been considered just as an unreachable dream, it became recently one of the most widespread technologies used in our daily life. And there are so many similar examples. As it might be expected through today's movies and series, we are able to imagine much more advanced technologies.

One of the most popular recent series, "The 100" shows the importance of food by highlighting fights and conflicts among humankind to have access to it. The scenario is mainly based on struggles of the humankind, who turns back to the earth after having survived in Space for many years because of a huge nuclear explosion. Trying to recreate a life place on the Earth, the human population takes refuge in a shelter for 5 years and starts to produce food by doing underground soilless agriculture.



As Cantek Group, we are completely aware of the importance of potential investments in agriculture especially within this context where the climate crisis is getting more and more visible.

## OF COURSE, WE WERE PRESENT AT Growtech

As Cantek Group, we participated in the 20th Growtech agriculture fair held in Antalya in November 2021. We have the pleasure of having been able to express our innovative solutions in the field of food security on the occasion of Growtech fair.



## FARMINOVA OYSTER MUSHROOMS IN RETAIL MARKETS

Oyster mushrooms grown in Farminova Plant Factories have started to be sold in Migros, one of the biggest retailers in Turkey. Very soon, salad groups and greens will take their place in the same stores.

Our oyster mushrooms, which are grown with indoor vertical farming technology, in a very different and innovative environment, are both very tasty and very healthy. You can make many creative meals with our mushrooms. We recommend you to grill the oyster mushrooms like a beefsteak, after dressing with olive oil.



## 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.



## 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.

