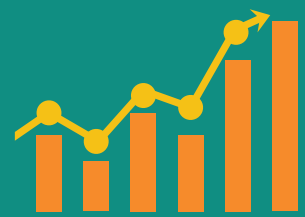


MODERN VERTICAL FARMING COULD BE THE FUTURE OF AGRICULTURE

Today, there are 7.9 billion people who are living on earth. And it is expected to reach 9.7 billion people by the year 2050. A growing population means an increase in terms of consumption.

Moreover, food demand is forecasted to increase between 59% to 98% by 2050.



This situation will massively change agriculture. With the help of artificial intelligence and the internet of things, modern vertical farming appears as a new hope in agriculture.

Reduces significant water consumption

On average, vertical farming use between 80% and 90% less water than traditional farming. It happened because vertical farming applies technology to control the growing environment. As a result, less water evaporates because crops are indoors, and the humidity is monitored. In addition, vertical farming also recycles water that evaporates into the air or when the crops are not using it.

Reduces land use

Vertical farming requires less land to produce the same crop yields as traditional farming. Thus, it positively affects the environment since the earth has already lost 30% of its arable land because of damaging activities related to humans in the last 40 years. An increasing number of vertical farms will enable lands that were once used for farming to restore as natural ecosystems.

Produces crops all year-round

The most prominent advantage of vertical farming is that it's not dependent on weather. Unlike traditional farming, vertical farming can produce a year-round crop with a monitored environment, providing repeatable output. Furthermore, vertical farming also decreases harvest times and improves crop yields without lowering the quality.