

Vertical farming without costs

Vertical farming is an agricultural concept in which production takes place as in high-rise buildings, i.e. vertically. Vertical farming is the most effective way of using urban space for sustainable agriculture. Plant and animal products can be grown directly where they are needed. Cultivation is possible underground, in space or even in regions where the environmental situation is unsuitable. By saving space, the proximity to the consumer is reduced and transportation time and costs are saved.

The concept of vertical farming is associated with the U.S. scientist Dr. Dickson Despommier, who presented his vision to a wider public with his book "The Vertical Farm: feeding the world in the 21st Century", published in 2010. His idea is not new. However, challenges such as climate change, a growing world population and dwindling resources have now driven it forward. This is because by shifting production from the ground upwards and the associated use of several levels stacked on top of each other, more can be grown than on a comparable area on the ground. In addition, crops can be grown all year round as optimum conditions can be artificially created for them. However, this requires state-of-the-art technology. Usage cycles must be optimized and coordinated in order to make production more resource-efficient. There are currently only a handful of projects worldwide.

The major disadvantage of these current projects is that they require energy and water. In addition, the plants are susceptible to germs and viruses from outside, which damage the population of the crops and thus jeopardize their longevity for decades. There is also the problem with the vitamin content, taste and color of the usual vegetables and fruits.

Our approach:

1. complete independence
2. location-independent - whether underground, under water, in the air, in the absence of air or in the desert
3. the system produces electricity, heat, cold, water, oxygen, sunlight, soil and is CO₂ neutral
4. resistant to germs, pests and viruses
5. no running costs or hidden costs

Concept costs including planning and implementation: 29000000 US dollars

Construction costs always depend on the location. But a plant in a desert region with a size of 450000 square meters and an annual yield of 1580900 kilograms of vegetables, salads and fruits (such as apples, pineapples, bananas, dates or peanuts) costs 885 million US dollars and runs indefinitely.

Excess cold, oxygen, water and heat that would not be used in production can be used for domestic purposes and to give animals a basis for living.

Our "Vertical Farming without Costs" concept works, provides jobs and supplies people with food and much more.

Our concept is interesting for the whole world, but in this day and age we also want to support projects to offer people with disabilities a secure future. Therefore, we offer our concept including the planning and realization for a sum that flows into our company foundation to further build it up and leave a sustainable Co2 neutral footprint for the future.

We want to build something for the future that is sustainable.

Whoever pays us the above costs will receive the complete concept with planning, implementation and support during the construction phase exclusively from us.

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