



Vertical Farming

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Overview:

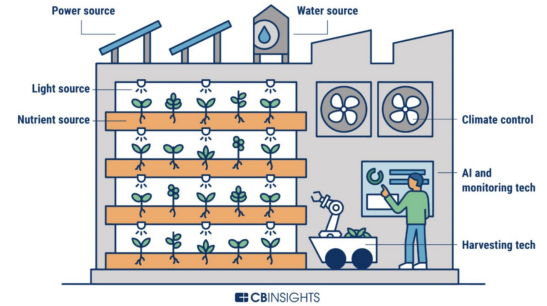
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Examples of vertical farming



History



The concept of vertical farming was discovered in 1999 by Dickson Despommier.

They then designed a 30-story farm full of these Vertical Farms to help plantation and could be able to feed around 50,000 people.

From there, the plan grew and became a smart, popular way to be more efficient for growing plants

Plan and Implementation

Vertical farming has several models such as patio gardens built into old pallets to warehouses with stacked trays and greenhouses.

Hydroponic vertical farming technology allows growers to cultivate crops in stacked plat spots going up in tower like structures instead of going out saving on land and using less water.



Pros

More food

modern technology,

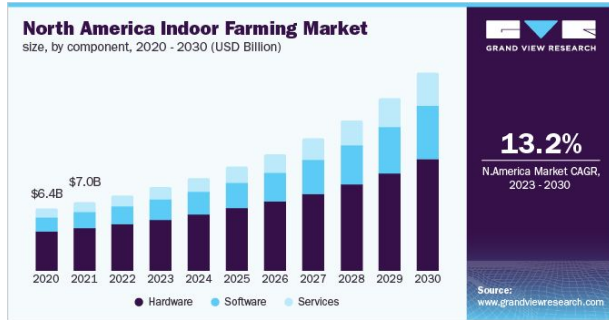
food all year around

less water than normal farming

Control over growth and plants - no weeds or bugs



Cons



Experts needed

Cost

Manual pollination.



Summary

The world is constantly growing and making it harder to have plantation. This problem was solved with the idea of stacking plants and using technology to grow them in a healthy mimic of nature. This came a big help and plan that spread across the world. Coming with this solution came many pros but also cons. The big problem that comes with this is cost. These contain much technology and supplies which can be a big expense. Yet, we plan to make more Vertical Farms.



Summary

Regular farming became harder to do as land is used up with housing and office buildings. The solution to continue to farm without as much land was vertical farming. It is a farming style that instead of crops going outward they now grow upward. These are normally indoor which allows you to grow crops year round, the biggest downside was that these are expensive to have because they are very complex systems. Overall I believe that vertical farming is good, the benefits outweigh the negatives and if I were a farmer I would definitely consider vertical farming instead of outward farming.



References

<https://verticalfarmingplanet.com/the-full-history-of-vertical-farming-when-did-it-all-start/>

[What-is-vertical-farming](#)

<https://gustar.io/blog-en/disadvantages-of-vertical-farming/>