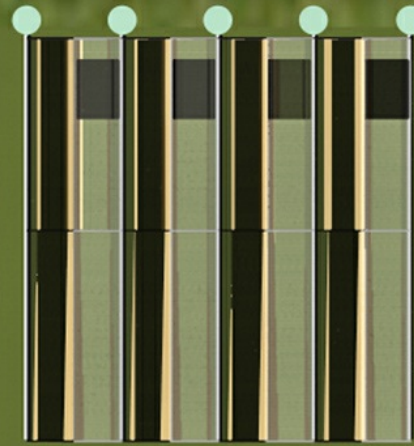


## 1/2 Biological Vertical Farming

The vegetable breeding consumes up to 7 times less energy and 10 to 20 times less floor space....

**BIOLOGICAL VERTICAL GREENHOUSE FARMING!**  
**THE VEGETABLE BREEDING CONSUMES**  
**UP TO 7 TIMES LESS ENERGY,**  
**10 TO 20 TIMES LESS FLOOR SPACE**  
**AND WATER AS A FIELD IN THE COUNTRY.**  
**SPACE FOR MORE TREES**



### Solution

#### Biological Vertical Farming

The greenhouses are made of a mesh fabric, that filtered plants emit harmful UV light. The rising humidity inside the greenhouse, are collected in the mesh and derived in a gutter to the side where they are water container standing.

The greenhouse round closed with nets, protect Plants against insects and other Animals.

The power of the solar panels on the roof, pumps groundwater and the condensation water collected in the containers back in the Micro-Drip-System.

Hydroponic greenhouses: The vegetables there is not rooted in soil but in an aqueous nutrient solution which can be recycled.

Theoretically, the system works for all types of vegetables, and it goes on and stack up.

2/2

## Biological Vertical Farming

The vegetable breeding consumes up to 7 times less energy and 10 to 20 times less floor space....

Creative's profile



**Kai Hoffmann** PRO

Designer

Detmold, Germany

Creative's top 5 skills

Graphic Design, Photography, Product Design