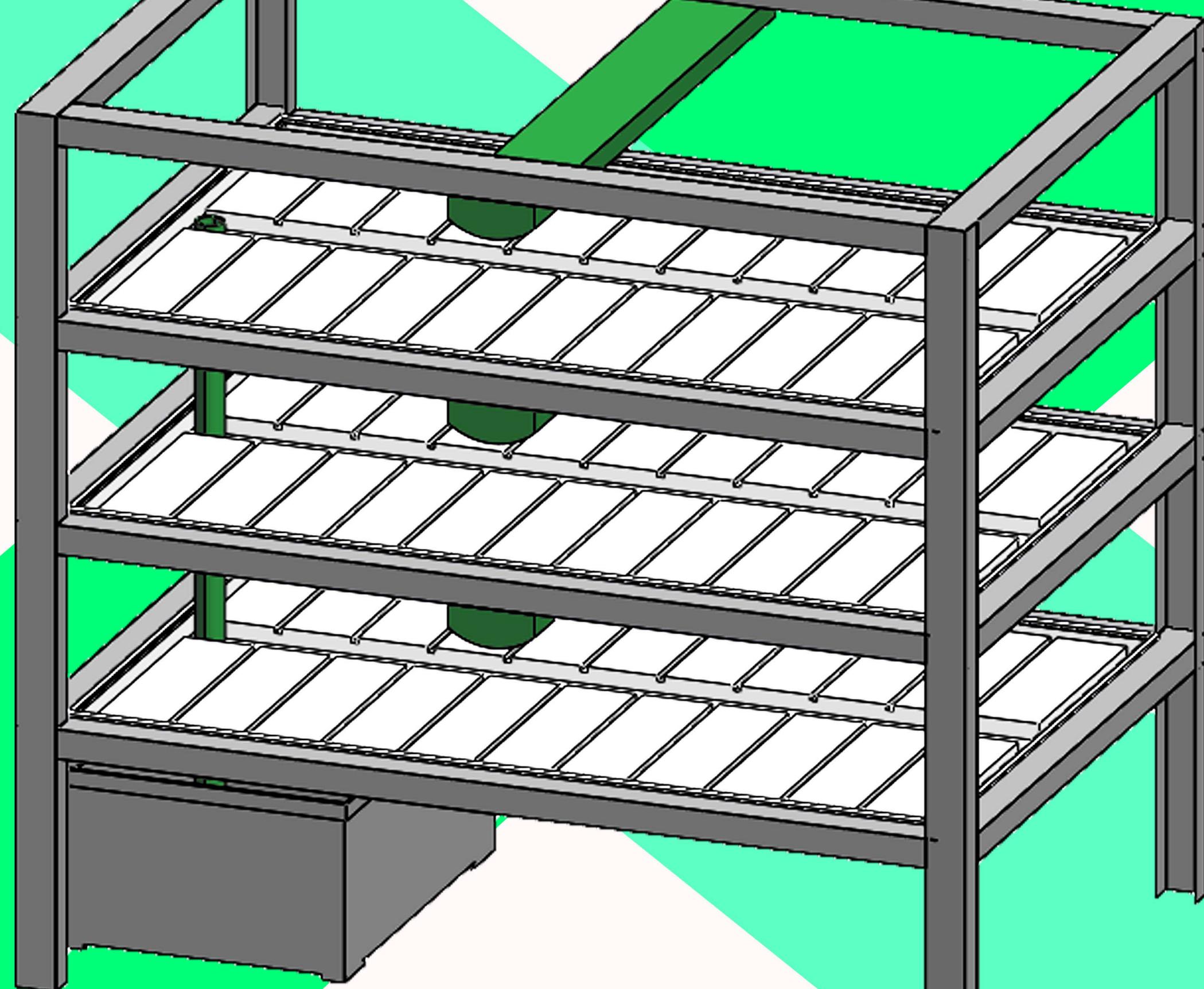




VERTECH

FOR A SMART **GREEN** WORLD!



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VERTECH X



VERTECH X

Dr. Mahmoud Safaan

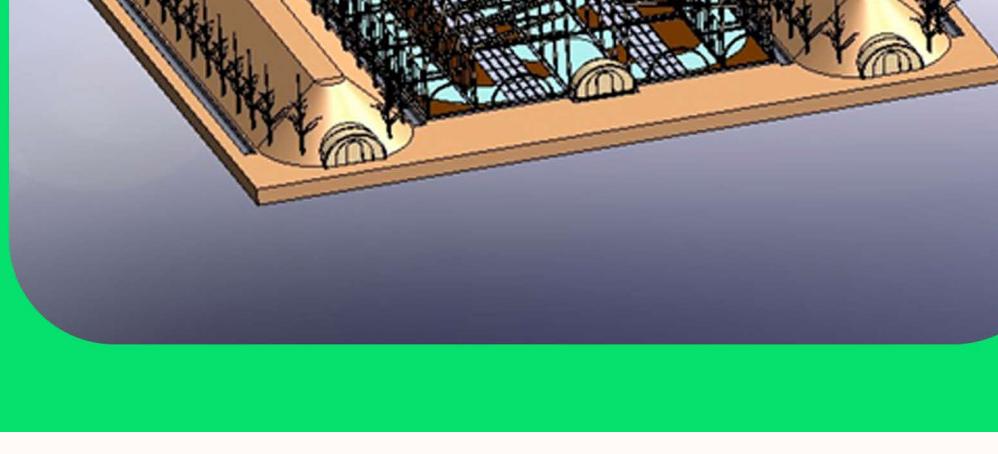
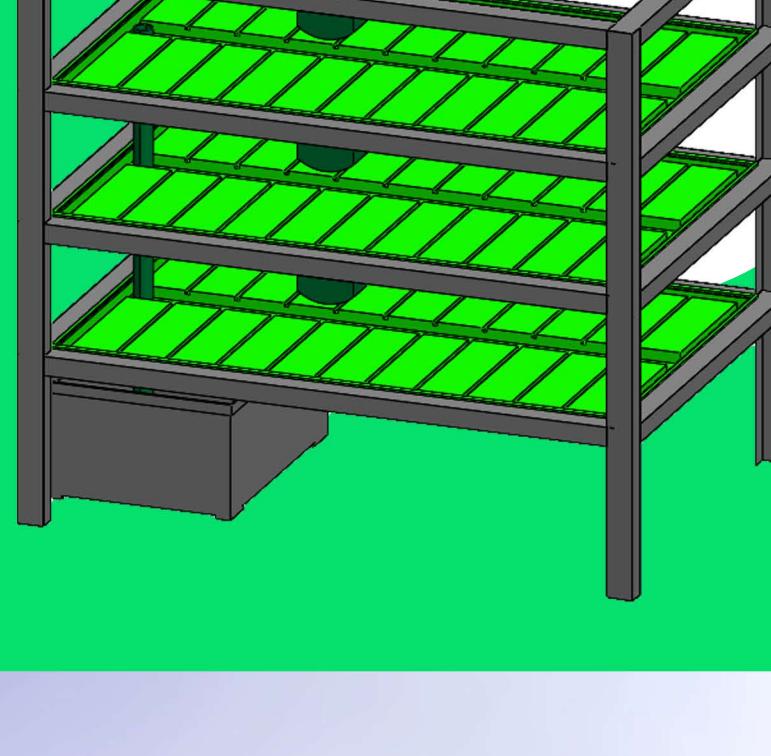
Mohamed Khalid Anis

Mahmoud Ibrahim Abdelaziz

Background

VerTechX is a state-of-the-art greenhouse that combines Vertical planting , Artificial intelligence and Internet of things to create a new methodology in the agricultural industry. With VerTechX, We consistently base all our actions on sustainability principles to protect our planet and future.

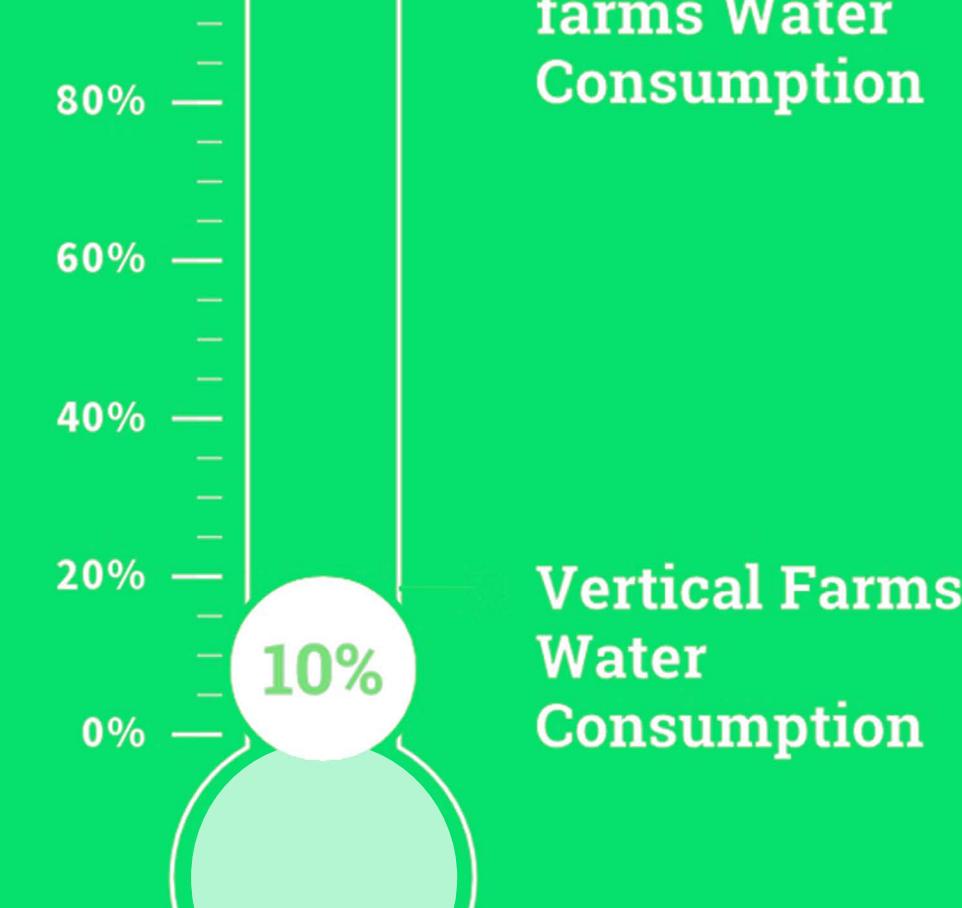
Design



Objectives

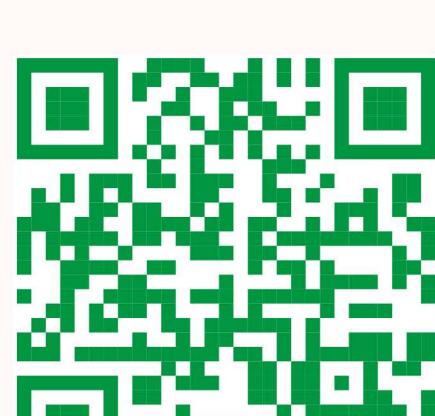
- Better use of Space
- Better Crops Quality
- Fully controlled system
- Fully clean energy
- Better water consumption
- Fully Automated System
- Wirelessly controlled system

Results & Conclusions



■ 90% less water consumption

■ 130% Productivity with 45% land usage



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