



## Plant Factory

- Closed system for indoor farming (no sunlight)
- Growing with LED-lights
- Vertical farming
- Controlled environment (temperature, humidity, CO2 levels, light quality, wind speed...)

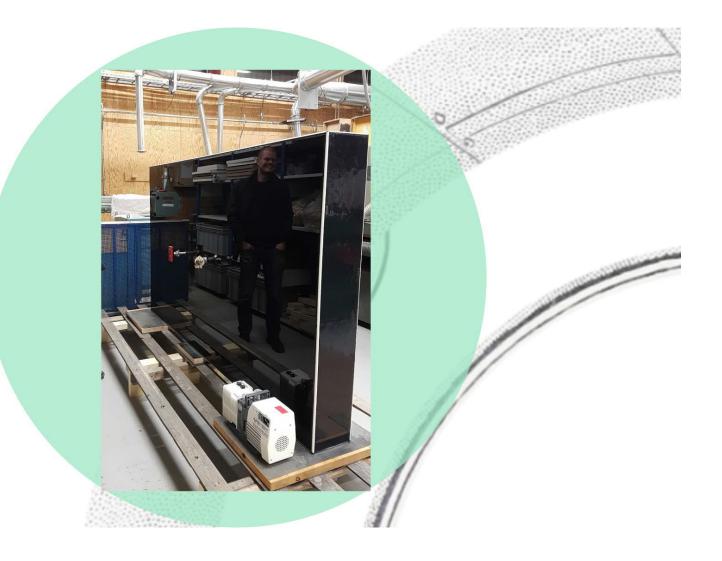


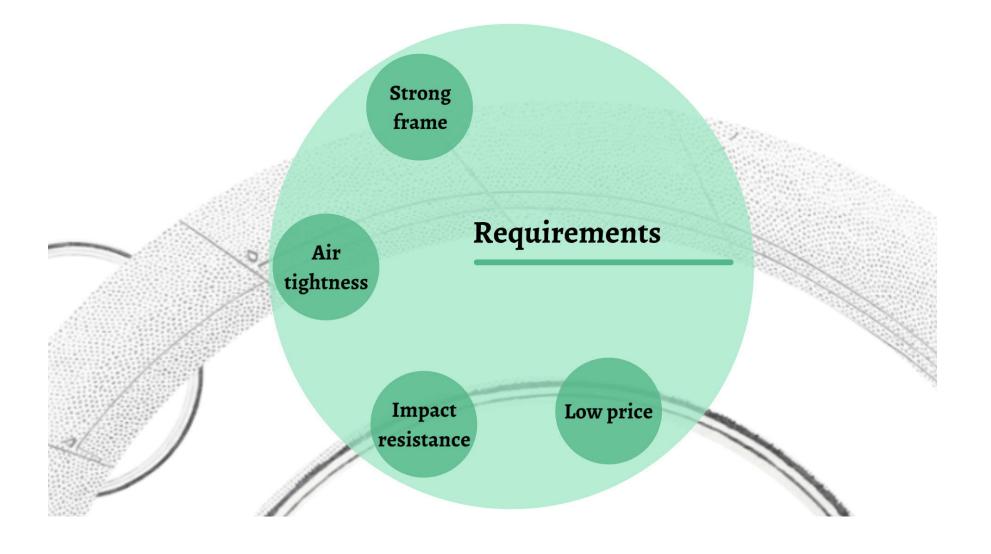
## Benefits

- 10+ times more yield per square meter compared to greenhouses
- Over 90% less consumption of water
- Steady production
- One of the strongest weapons against global warming

## Technology

6

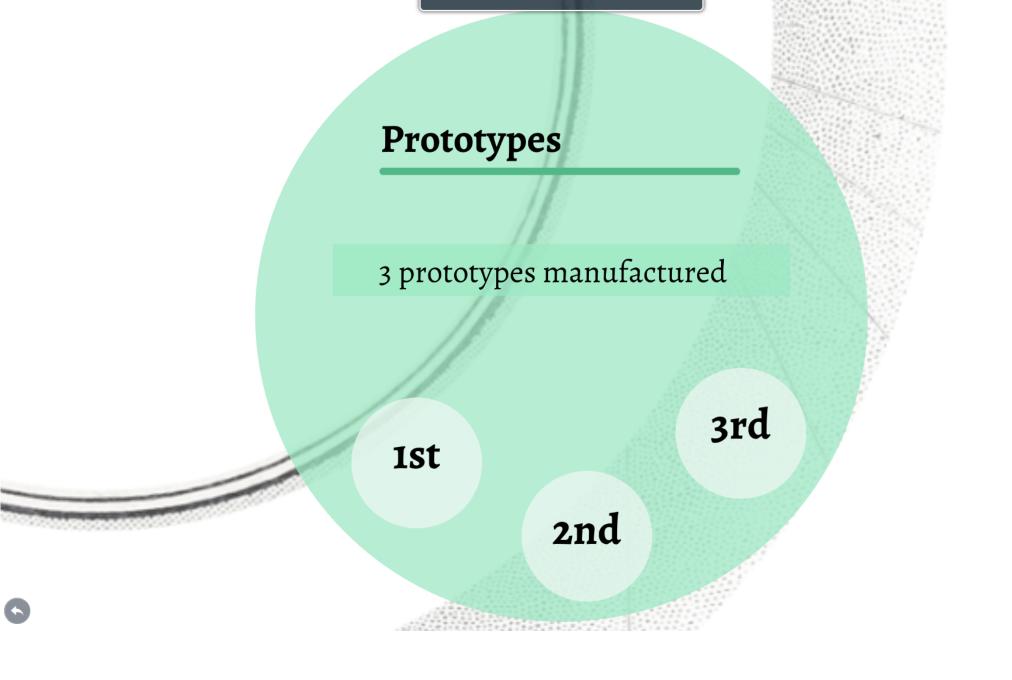


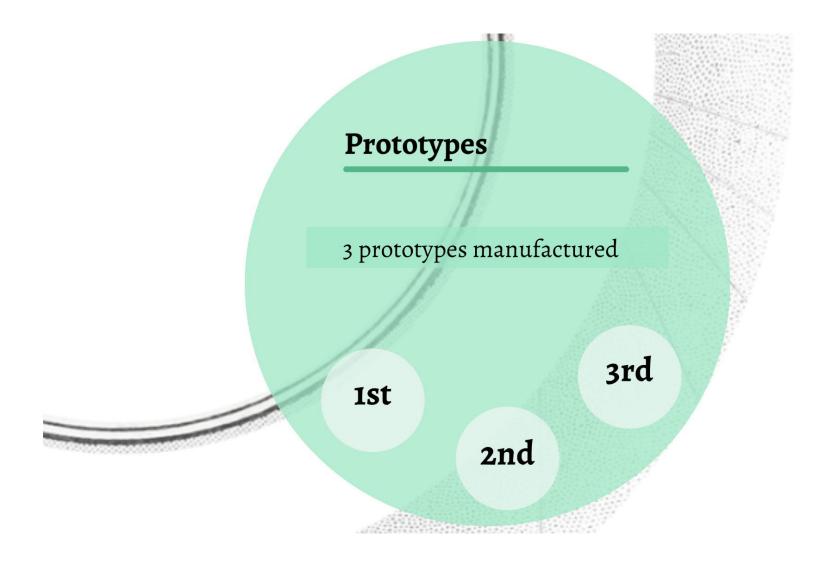


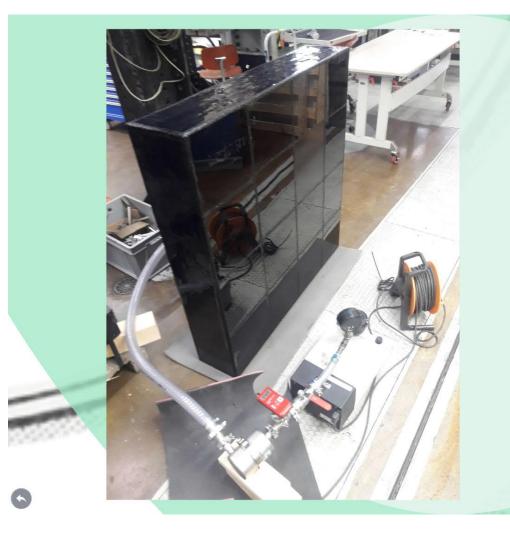
## Wooden element frame

- Optimized geometry
- Perfect material
  - Strong material
  - Low thermal conductivity
  - Low cost
  - Excellent machinability









- Solid Mechanics' lab 2017-2018
- Own funding



- Bioproducts' wood workshop
   2018-2019
- Aalto's pre-seed funding

- 2019 -
- Business
  Finland
  TUTL
  funding

Plant Factory



