

Nutridome is a collaboration between Siphwe Ngwenya...

Moyen 5 day(s)

EN



Jessica Michelle Le Roux

Suivre

Jessica Michelle Le Roux (b 1989) is a South African sculptor and interdisciplinary artis...



Siphwe

Suivre

L'utilisateur n'a pas rentré d'informations à son sujet



### Nutridome

==== The prototype considers SDG 11 and speaks to being self efficient in urban environments by enabling urban living with with the ability and ease of use and use of a 'smart vegetable garden. The idea is for the user to self sustain their families through the use of a compact hybrid hydroponic greenhouse structure which produces high yields, provides nutritious foods and reduces transportation of food produce. =====

## The Nutridome hybrid hydroponic garden will enable:

# PROS OF HYDROPONICS

## Water saving

- more efficient farming is needed with under 1% fresh water available globally
- Lowers the consumers costs

## No soil

- More attainable for urban living
- More efficient on water usage without soil

## Fast growth

## Quick yields

## Less disease

## Less pesticides

## Less plastic usage

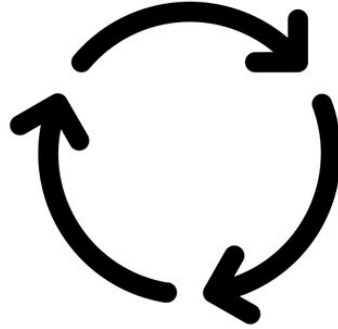
## Higher yields

## Affordable

## Less food transportation

## More nutrients for the consumer

## Educational within self sustaining food chain



# SDG 11

Promoting Health

Solving Urban farming Limitations

Enabling Sustainable living

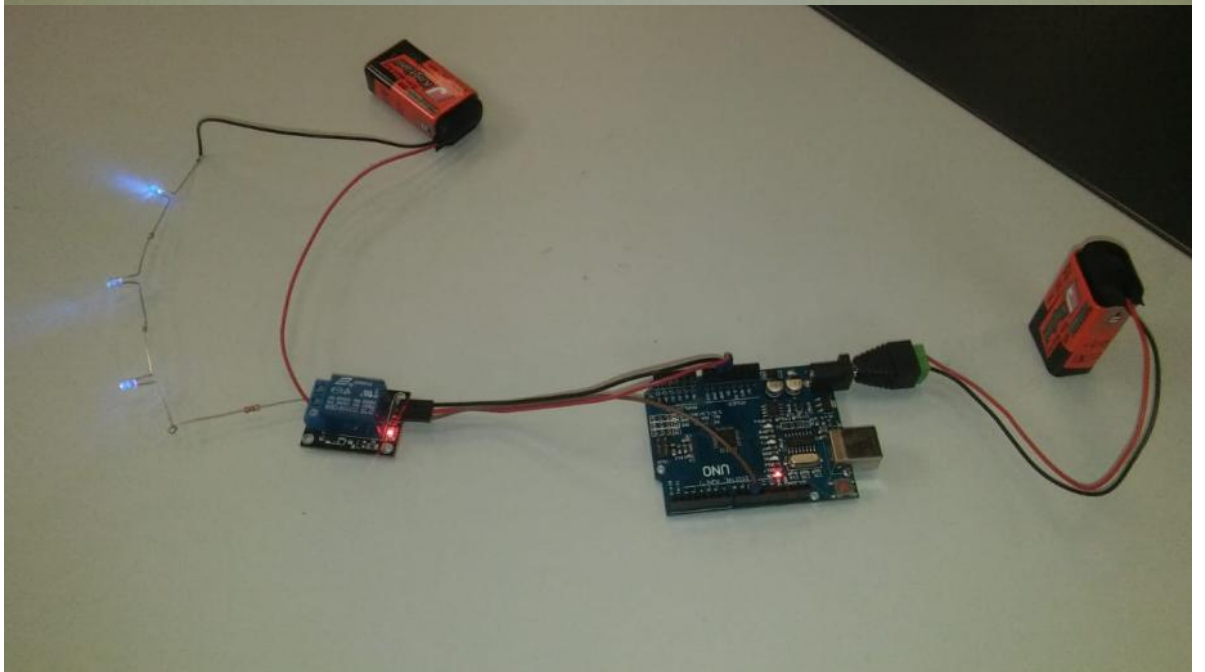
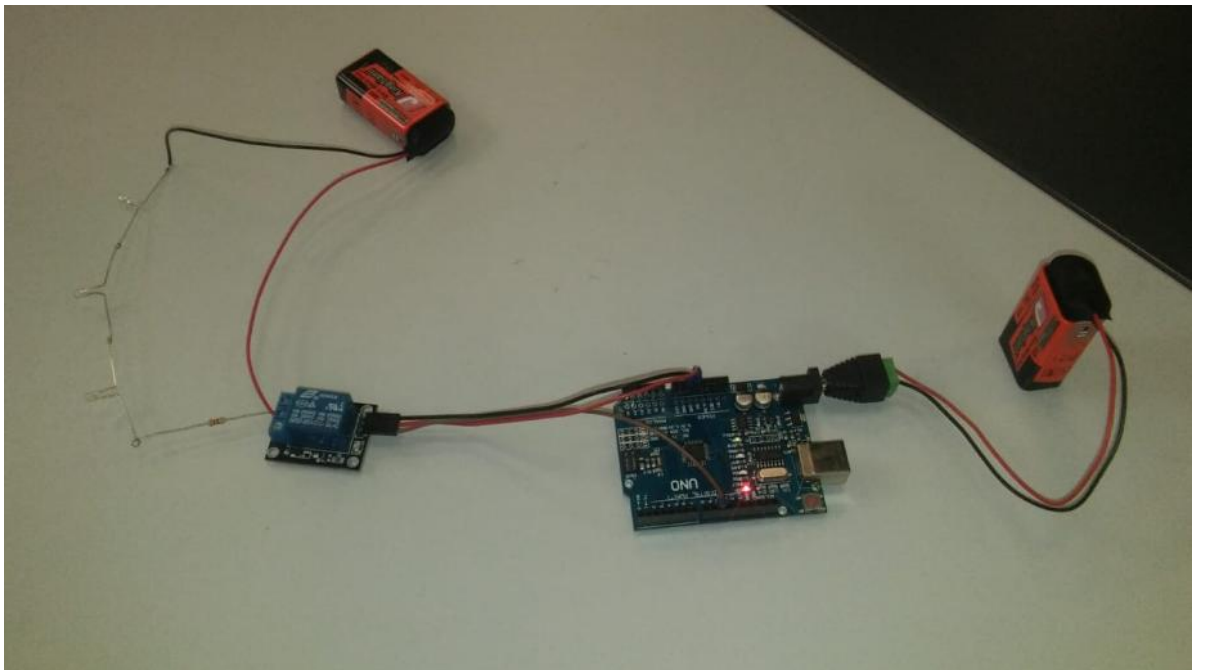
Enabling Self sufficient diets

Less Landfill

## Dome Prototype

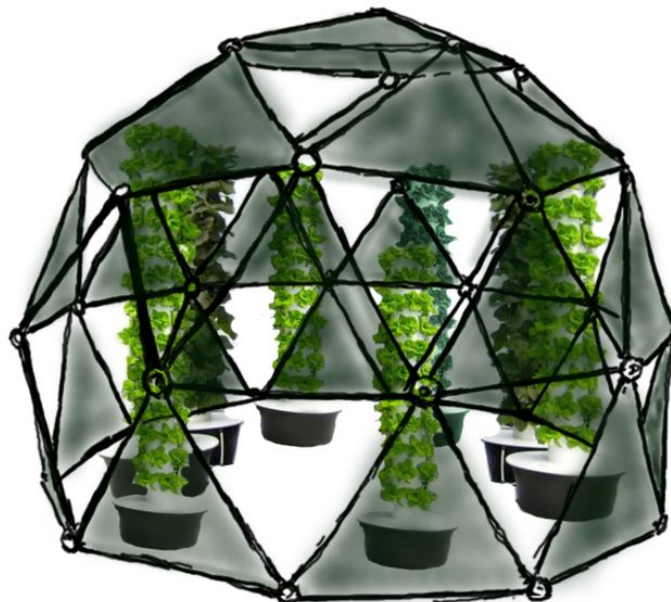


## LED Lighting and Hydroponic pump system prototype





Dome Mock Setting / Over layer as removable structure provided with kit for controlled environments.



Description

Siphiwe has a background in XXX

Jessica Michelle Le Roux is an interdisciplinary visual artist with great interest in environmental concerns and uses her practice to drive mindfulness within our interactions and actions within society.

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