



Nutridome is a collaboration between Siphwe Ngwenya...

Medium 5 day(s)



Jessica Michelle Le Roux

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



Siphwe

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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

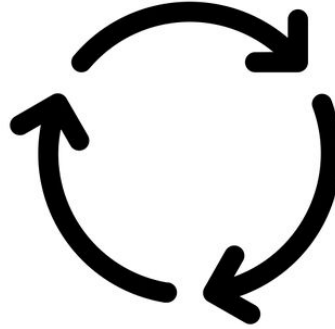
Higher yields

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

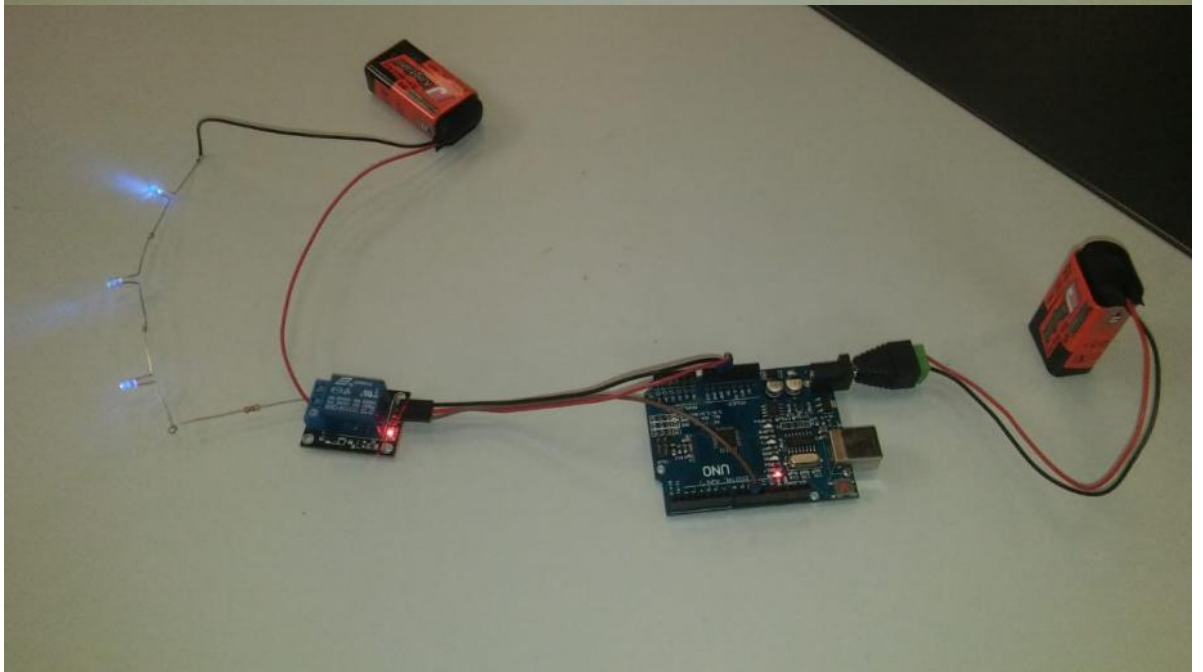
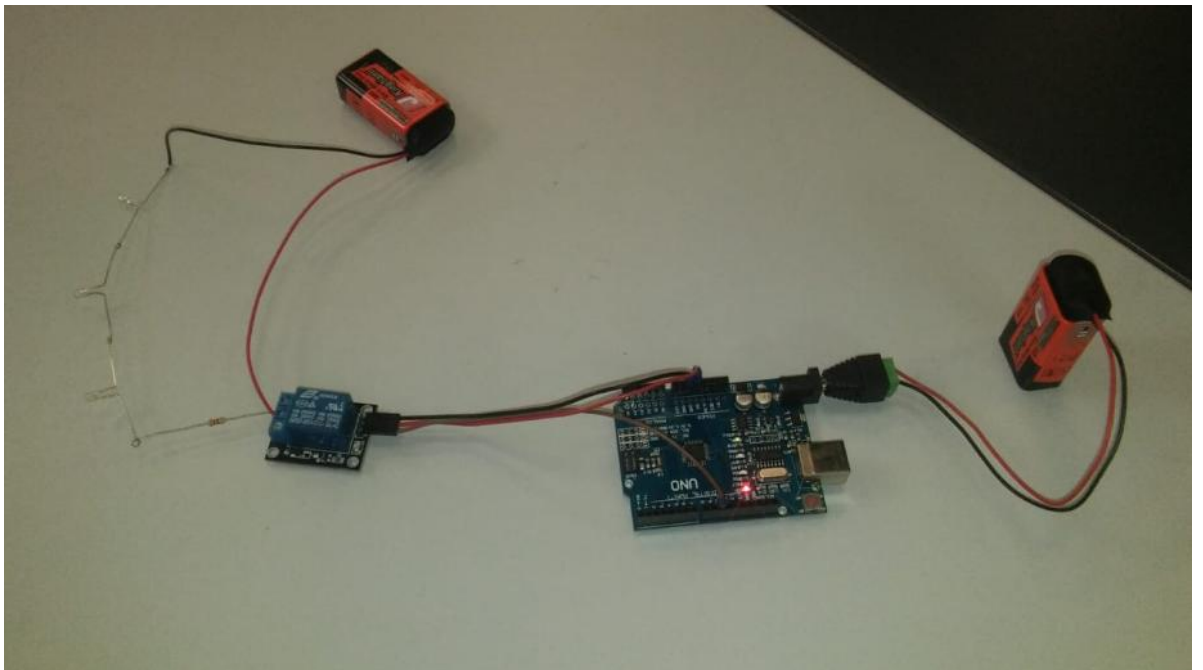
Enabling Self sufficient diets

Less Landfill

Dome Prototype

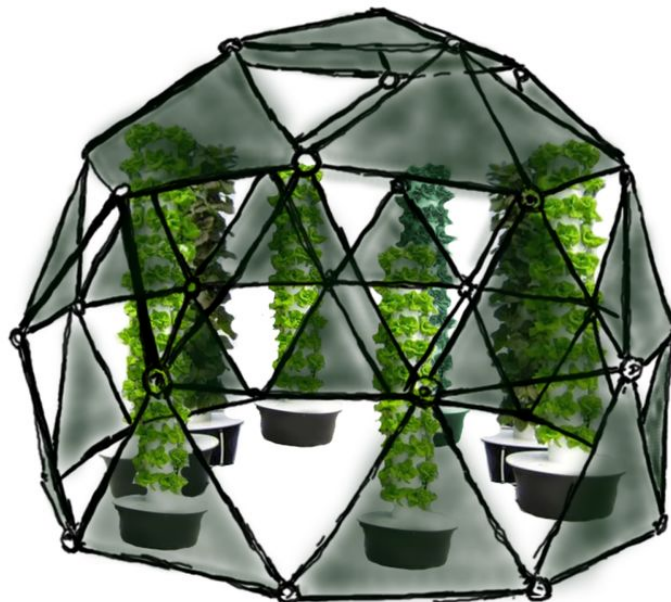


LED Lighting and Hydroponic pump system prototype





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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