



GREENGENIE

CREATING A GREEN FUTURE

➤ **23M** people in northeastern Africa do not have reliable access to food and water.



Current Farming Methods Fall Short



Mulching

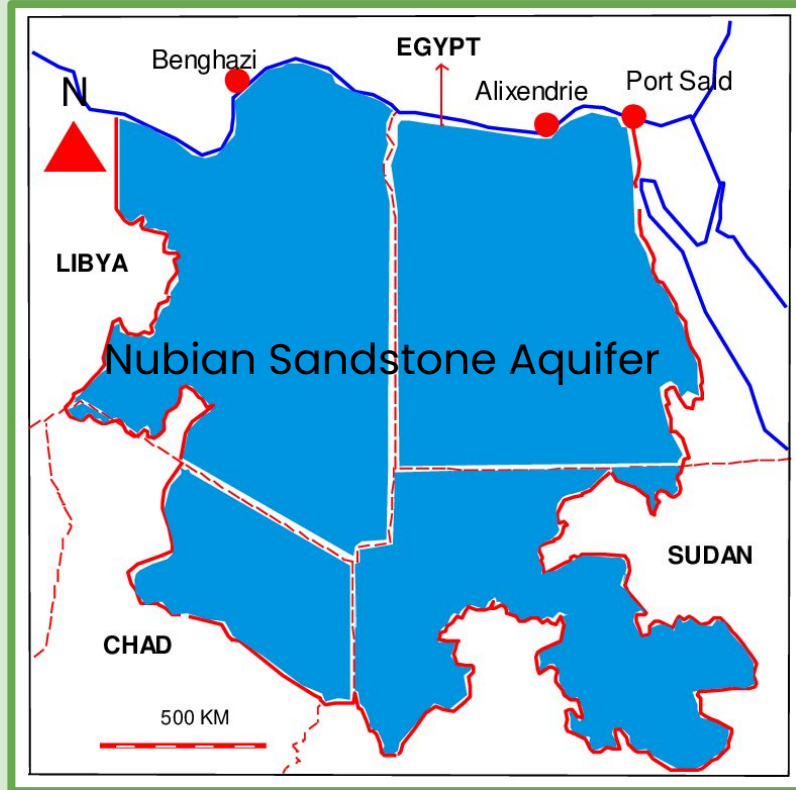
Low oxidation
Unsuitable environment
for plant growth



Traditional Irrigation

Labor extensive
Uneven water distribution

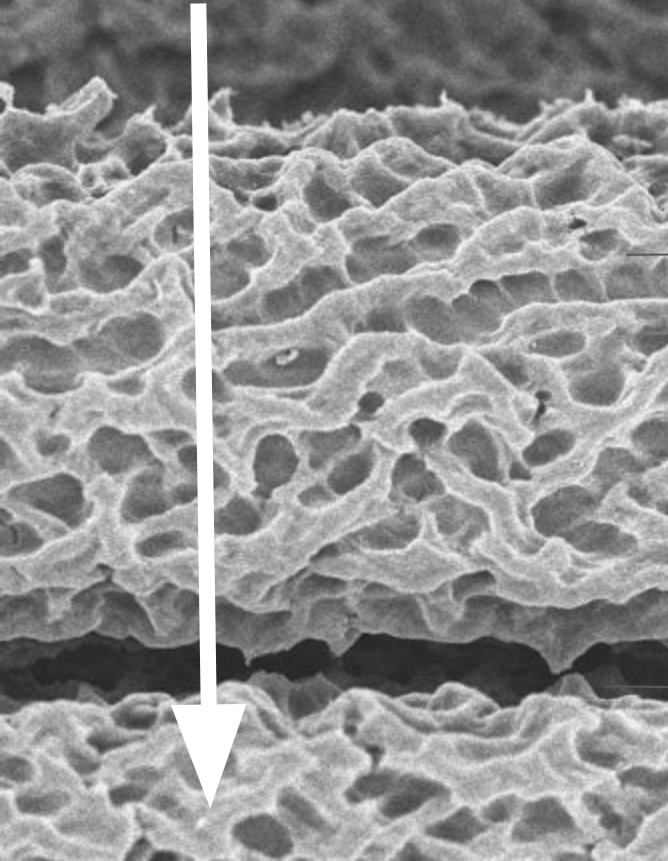
Nubian Sandstone Aquifer



150,000 km³



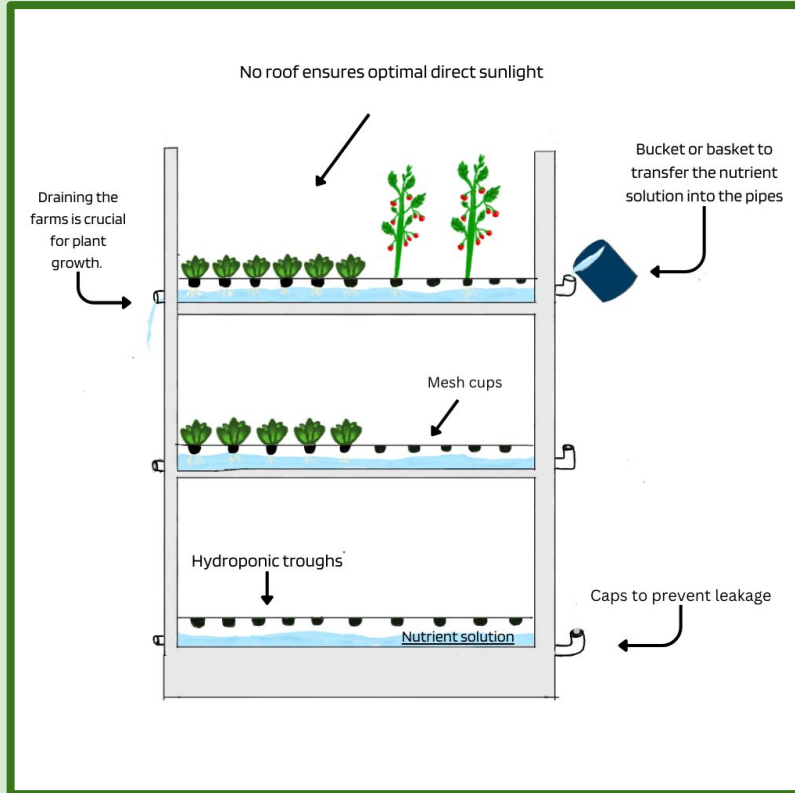
Nubian Sandstone
Aquifer Groundwater



Name of material: **Carbon
Nanotubes**
Pore size: 0.8 nm

Layered filter design

Green Genie – Modular Hydroponic Greenhouses



Grows up to **27,600** plants at a time!

2,760 kg of lettuce or 8,280 kg of cucumber

Provides both clean food and water for communities!

Supports the locals through selling crops

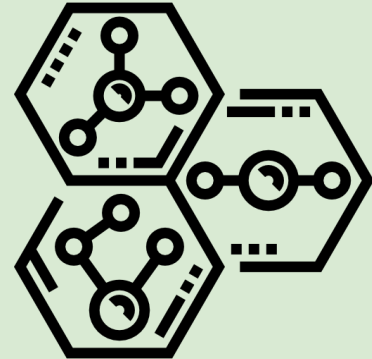
How do we make it real?

Cost:
Renewable energy
Investors



Scaling nanotech

- Ideate new solutions to scale nanotech
- Research



Pricing in USD for One Greenhouse

	Green Genie	U.S.
Vertical Hydroponic System (3000 sq.ft)	\$180,000 USD	\$660,000 USD
Greenhouse	\$4,200 USD	\$9,000 USD
Energy (Annual)	\$130,000 USD	\$328,500 USD
Total	\$314,200 USD	\$997,500 USD

Partnerships with Local Businesses, Governments, Non-profit Organizations, and Banks



Hydroponics.co.za



Seeds for Africa

Local Businesses



Sudanese Development Initiative

Non-profit Organizations



Agricultural Bank of Sudan

Government/Banks



Sudanese Businessmen & Employers Federation

Expert Validation



Roger Post, Founder of Growing PR, specializing in hydroponics and regenerative organic farming

"I'm excited to see what you guys come up with!"

A close-up photograph of a person's hand holding a hydroponically grown lettuce plant. The lettuce has vibrant green, ruffled leaves. It is held by a white plastic net cup, which has a mesh bottom through which a dense network of white roots is visible. The background is a blurred field of similar green plants, suggesting a large-scale hydroponic growing operation.

Working together to feed the world
One community
One meal at a time



**INVEST IN GREEN GENIE
INVEST IN A GREEN FUTURE**

Any Questions?