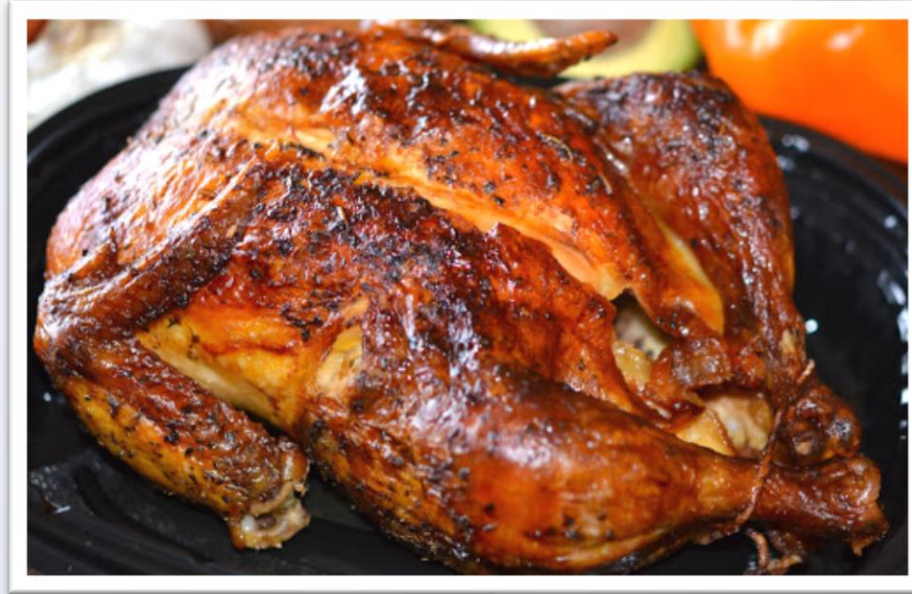


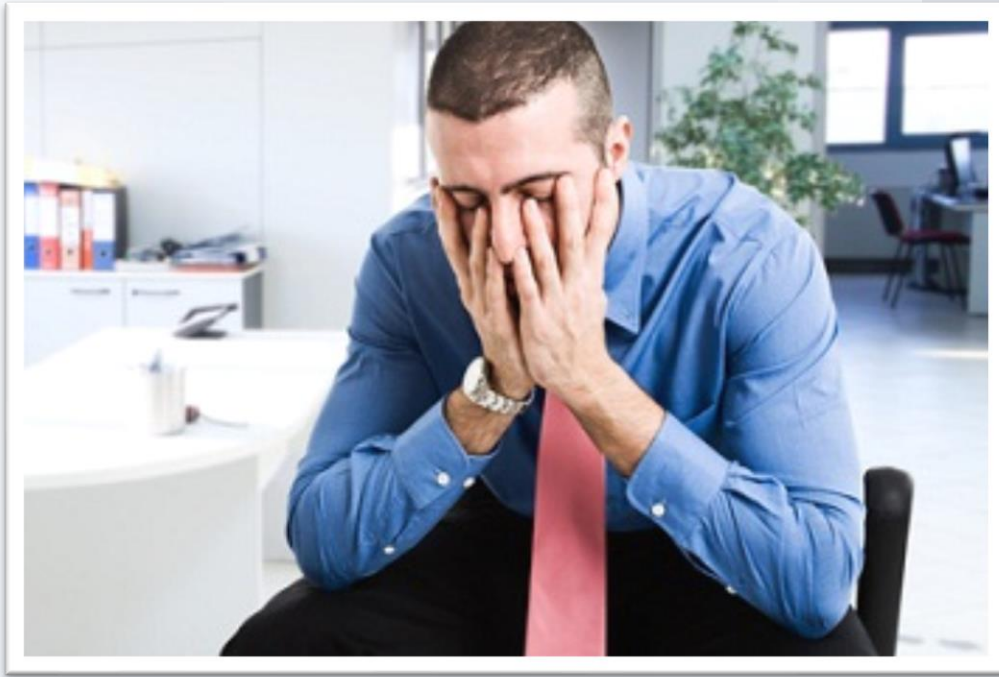
TERMO-BOOST

Gali Dayan
Vagif Osmanov
Roie Engelstein
Malak Yousef

DO YOU WANT TO BE:



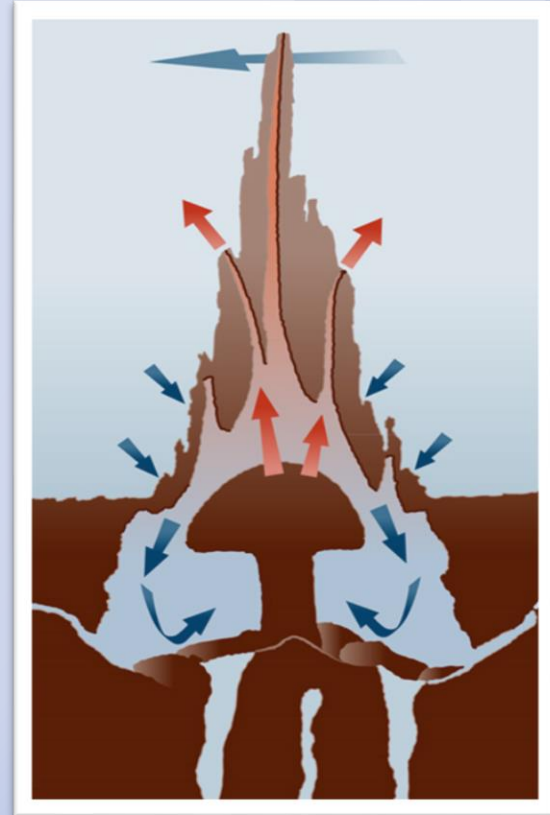
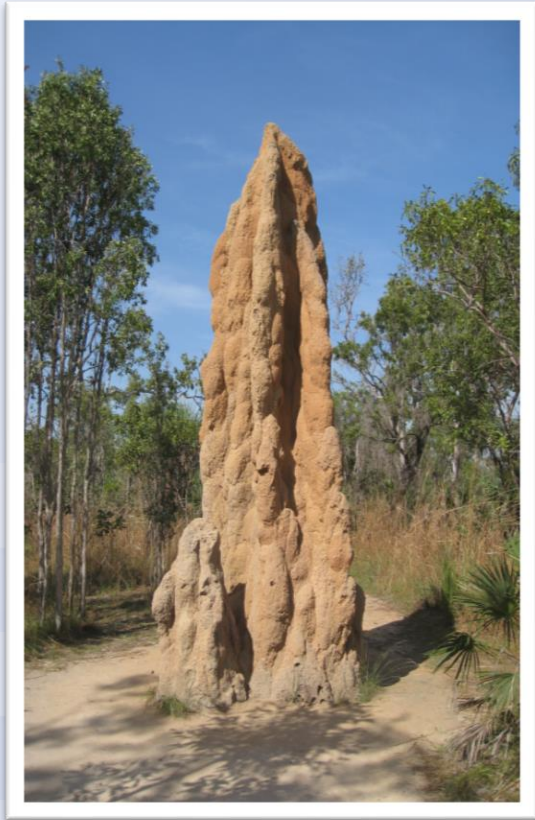
?



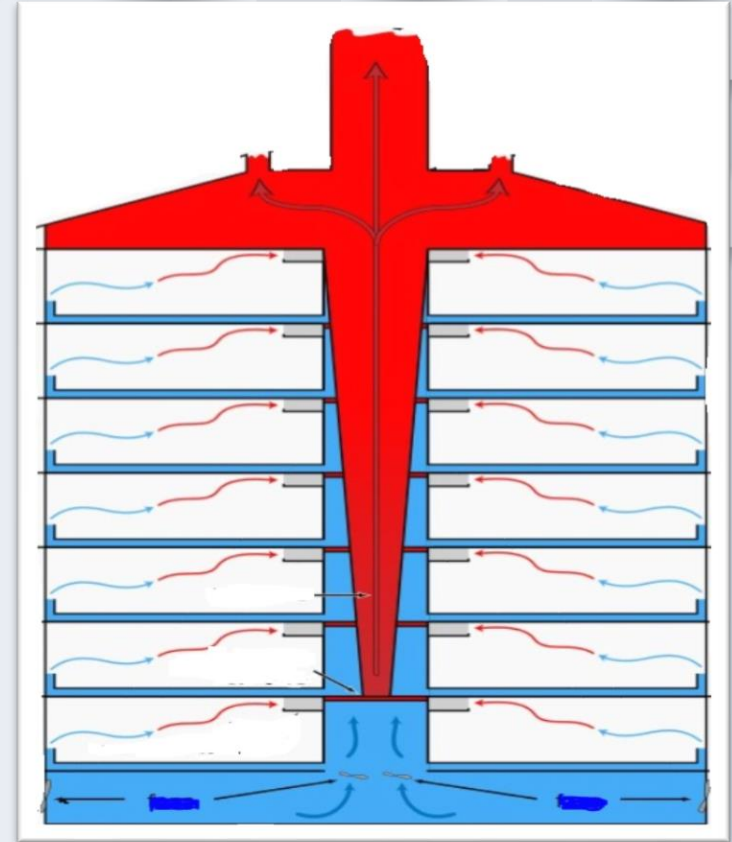
Do you know why he's so
depressed?

How can we solve those
problems?

Termites Mounds



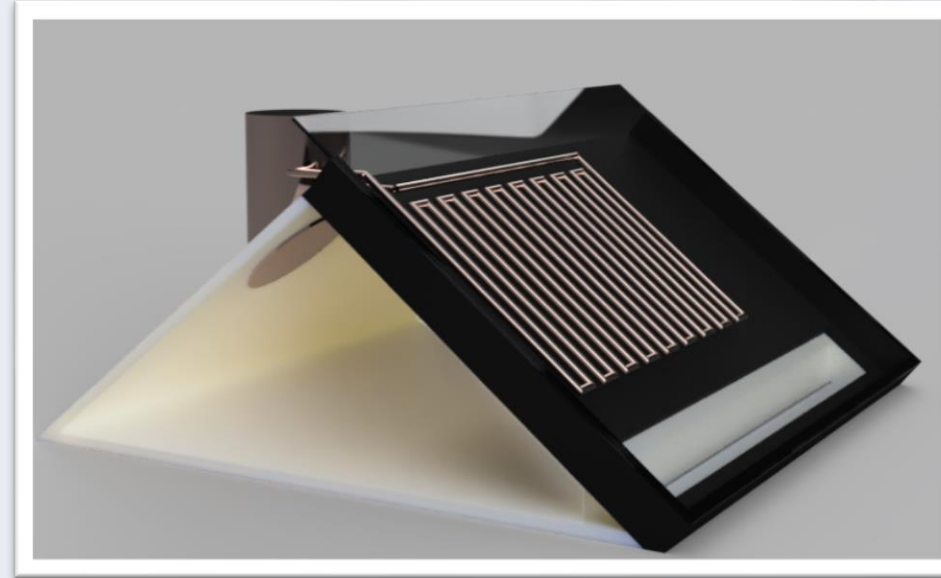
Eastgate Center, Zimbabwe





TERMO-BOOST

- Passive ventilation system
- More efficient than the existing solution
- Applicable in structures with small roofs
- Only pay for the installation
- Also heats water (optional)



COSTS

Area of roof - 100 sq. meters

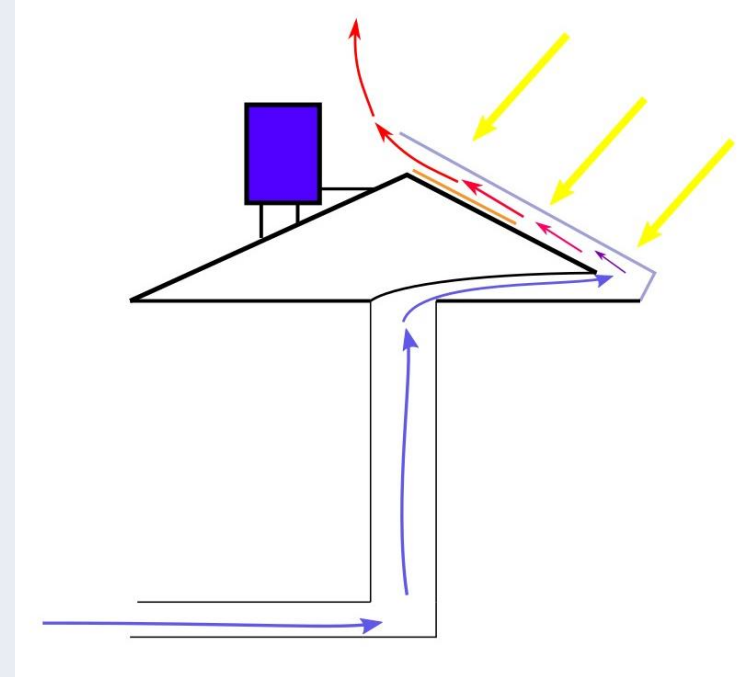
Cost of glass - 2500\$

Cost of paint - 21\$

2521\$

HOW DOES IT WORK

- The green house effect in the chamber
- The hot air heats up and escapes from the top and sucks air in from the duct
- Cooler air gets sucked in from below and distributed throughout the house
- The water pipes are heated by the hot air (optional)



850 \$/per 1 AC UNIT

What do you see?

THANK YOU FOR LISTENING ☺



Bibliography

Ask nature:

Termite mounds cooling/heating

<https://asknature.org/strategy/mound-passively-heatscools/>

East-Gate center:

<https://asknature.org/idea/eastgate-centre/>

Additional Data

Area of roof 100 sq. meters

Price of glass per sq. meter- 50\$

Price of paint per sq. meter – 4\$

Solar water heating – 200-300\$

High – end glass per sq. meter – 117\$