
# SYNERGIE

PRESENTING OUR SOLUTION FOR THE PLANET

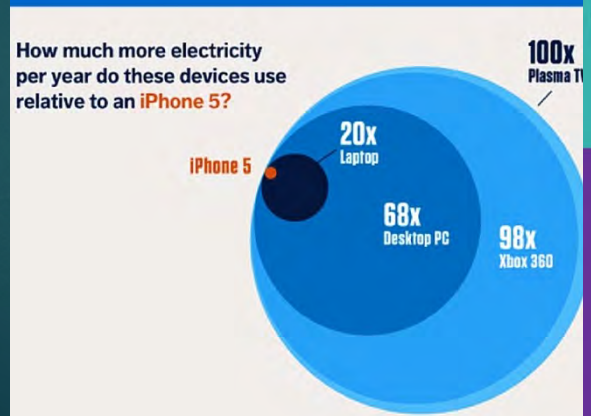
# The facts

# Energy waste

## Did you know?

the university of Cambridge spent £1,835 on energy per hour in 2014 and 2015.this means they spent 16 million just on energy

energy was wasted so much in america that Joe Schwartz from home power says enough energy is wasted by standby losses in the united states to run all of the homes in the continent of australia




## HOW MUCH IT COSTS TO RUN APPLIANCES ANNUALLY

SWITCHING OFF AN UNNECESSARY LIGHT

CAN ALSO RUN A STEREO FOR 24 HOURS

LEAVING A PC MONITOR OVERNIGHT

CAN ALSO MICROWAVE 6 MEALS!

**30%** OF THE UK'S CO2 EMISSION IS FROM HEATING AND ENERGY USE

**£290** IS HOW MUCH THAT COULD POTENTIALLY BE SAVED YEARLY BY TAKING SIMPLE ENERGY SAVING MEASURES

**25%** IS USED IN AN ENERGY SAVING LIGHT BULB AND LASTS AS 8 TIMES AS LONG

**50%** MORE IS WASTED IN AN ORDINARY HOUSSEHOLD COMPARED TO AN ENERGY EFFICIENT HOME

# Clean Energy

**Renewable energy** is a form of clean energy that is provided by natural sources present in nature.

### Environment friendly

The world pollution is getting worse. Any effort that can reduce the pollution to the environment helps to save the earth. Solar energy panels are able to bind the energy from the sun and convert it to electricity.

### Cost

The initial cost of purchasing a solar energy system is fairly high. Although the UK government has introduced some schemes for encouraging the adoption of renewable energy sources.

### Wind energy

Giant machines, called wind turbines, can be used to make electricity in windy places.

### Solar energy

Solar energy means energy from the sun. The sun's light and heat can be captured by solar panels and turned into electricity or used to heat water.

Enough sunlight falls on the earth in just one hour to meet world energy demands for a whole year.

# ENERGY WASTE

Households waste...

## £227m

a Year leaving appliances on standbY

SEVEN IN TEN (76%) HOUSEHOLDS LEAVE ELECTRICAL ITEMS ON STANDBY, WITH 38% ADMITTING TO DO SO ALL THE TIME

EverY Year phone Chargers left on standbY Cost

## £28.9m

HOUSEHOLDS ARE MOST LIKELY TO LEAVE...

Television 98%

Set Top Boxes 86%

Phone Charger 98%

on standbY

# Our solution

Our solution is to create a surge protector which properly switches off all transferring energy from sockets, that have appliances on standby and fully charged devices that are still connected.

- Energy-saving
- When a device is fully charged or on standby, it turns the socket off
- You can control them from anywhere, even with obstructions.
- It directs you to the website so you can take control

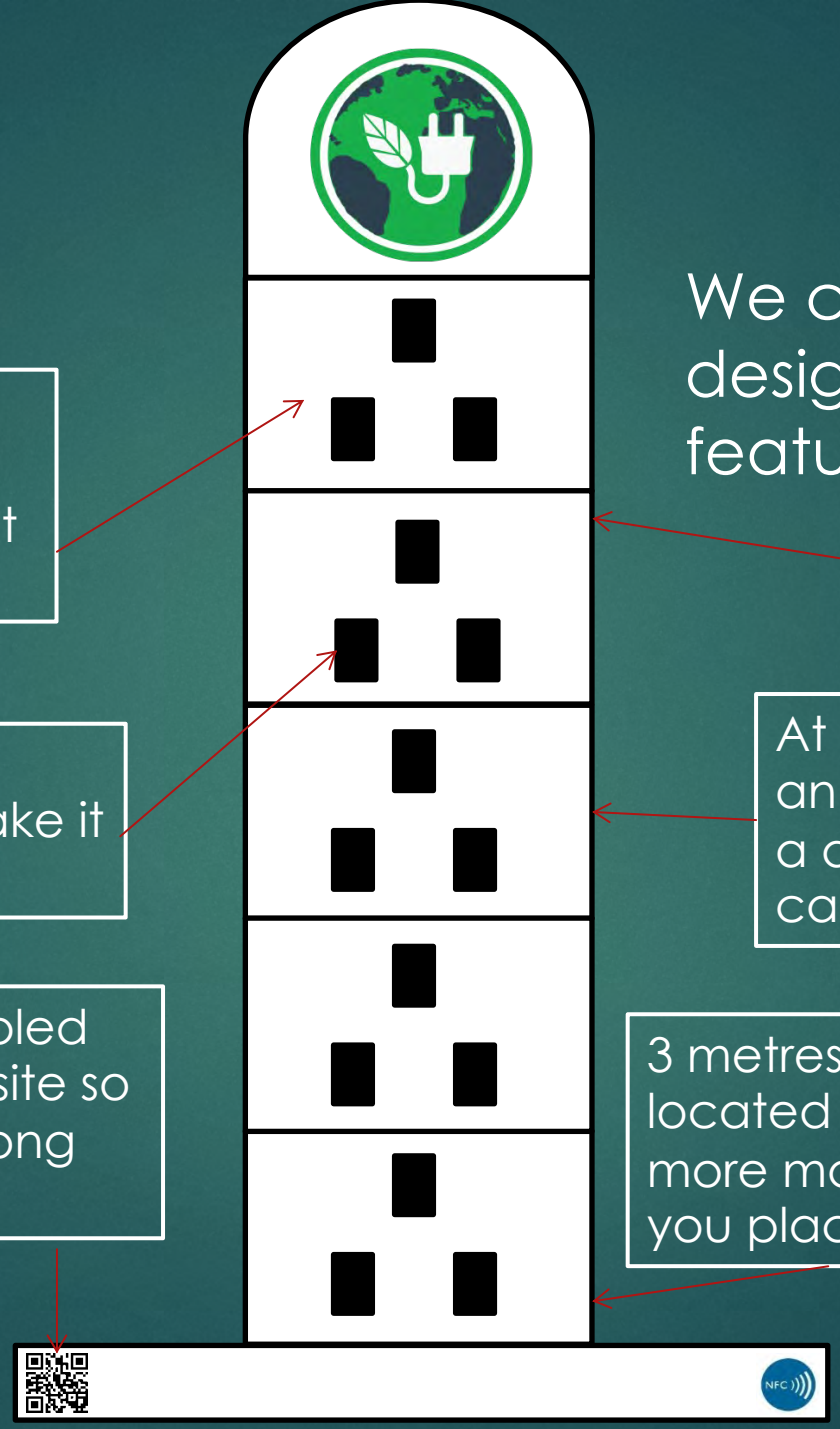
# Our design

We came up with a simple design that wields many features:

Sockets able to swivel 360° preventing cable strains and allows large plugs to fit in without taking up too much space

It is a transient voltage surge suppressor and we aim to make it handle over 4000 joules.

NFC and QR codes enabled to direct you to the website so you can schedule how long the sockets are on for.



The material is made of durable, recycled plastic.

At the side are 5 USB ports and an Ethernet cable input as well as a detachable clip to help sort out cable management.

3 metres retractable cable located at the back to open up more manoeuvrability of where you place it!

# Our Philosophy

- Be more environmentally friendly
- To donate our profits to charity as we also intend to aid the welfare of people as well.
- To inspire others to contribute towards creating an eco-friendly planet
- To try incorporating our philosophy of benefitting others into our product e.g. building it using recycled plastic

"A designed beauty of synergy is that it serves only to add, never subtract."
— Barb Rententbach, Synergy (2009)

# The feedback

"I think this is a great idea and I'd love to see the prototype."

- Kike Agunbiade (Assistant Head of SSAT)

"This idea is very practical and something I would use frequently"

- Janette Isiguzo (Service Delivery Manager of Fujitsu)

"It sounds like a great invention so I wish you the very best of luck to you and your team!"

- Rt Hon. Mr Neil Carmichael, MP (Chair of the Education Select Committee)