



Wireless Electricity Transmission

MEMBERS

1} ANIKET ROLL NO- 18

ROLEPLAY- INTRODUCTION TO TOPIC

2} ANJINK ROLL NO- 11

ROLEPLAY – OBJECTIVE OF

3} YASH ROLL NO- 03

ROLEPLAY – METHODOLOGY AND MATERIAL USED

4} YADNESH ROLL NO -04

ROLEPLAY – CONCLUSION

5} PRATIK ROLL NO – 16

ROLEPLAY – FUTURE SCOPE

INTRODUCTION

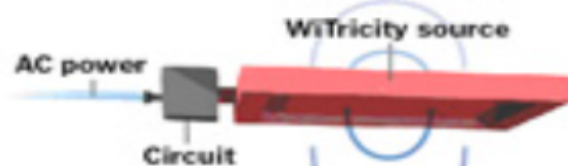


OBJECTIVE

Wireless electricity

WiTricity is commercializing technology developed at MIT that sends power through the air, to run devices like laptops, DVD players, cell phones, and other common electric devices:

- 1 Circuit converts standard AC to a higher frequency and feeds it to a WiTricity source. The current inside the source induces an oscillating magnetic field.



- 2 The WiTricity device to be powered is tuned electronically to the same frequency as the source, and in a process called resonant magnetic coupling. Power is received from source.



- 3 The energy of the oscillating magnetic field induces an electrical current in the WiTricity device, lighting the bulb.

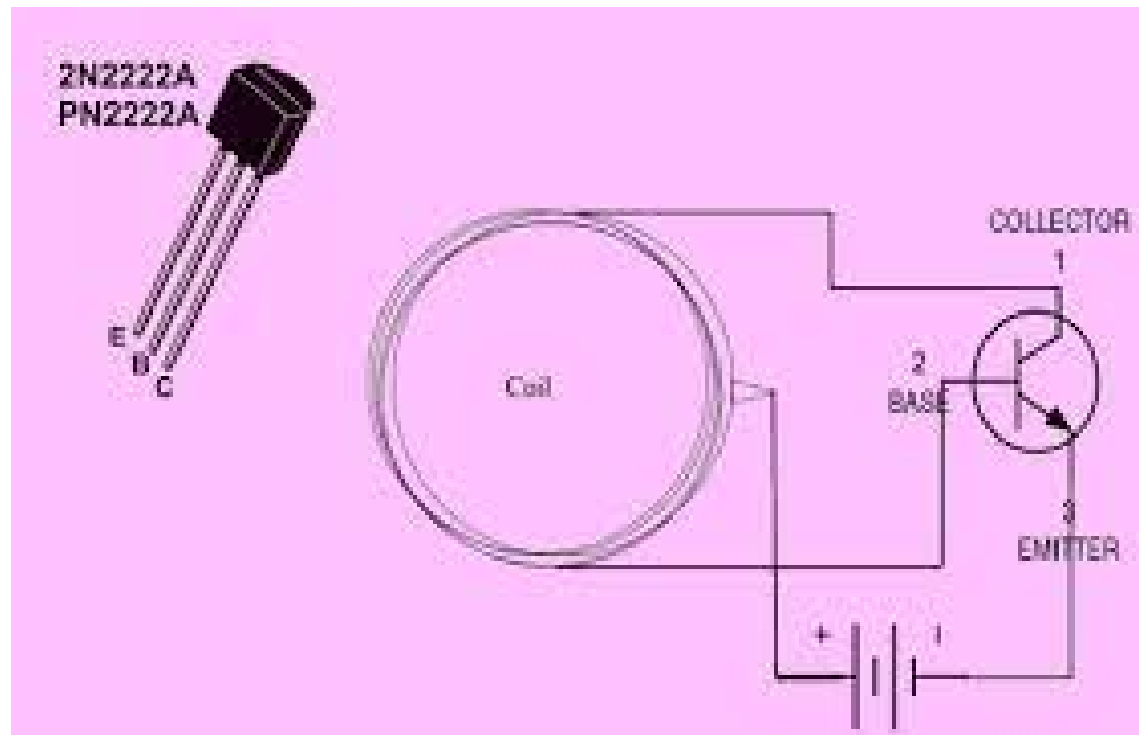


SOURCE: WiTricity Corporation

AARON ATENCIO/GLOBE STAFF

METHODOLOGY

CIRCIUT



MATERIALS USED

- 1] BATTERY
- 2] COPPER WIRE (COILED)
- 3] RESISTOR
- 3] TRANSISTOR
- 5] CARDBOARD
- 6] SWITCH



CONCLUSION

Wireless power transfer holds the potential to change the entire planter on different scales, whether it is charging a handheld device to , change the effect of global warming. It is the most sustainable, marketable, and least hazardous alternative to wired electricity. It is also more efficient and has less maintenance cost ,also significantly reduces the loss in electricity due to direct transmission.

It reduces the complexity of tangled wires and minimizes the chances of electrical and technical device failures



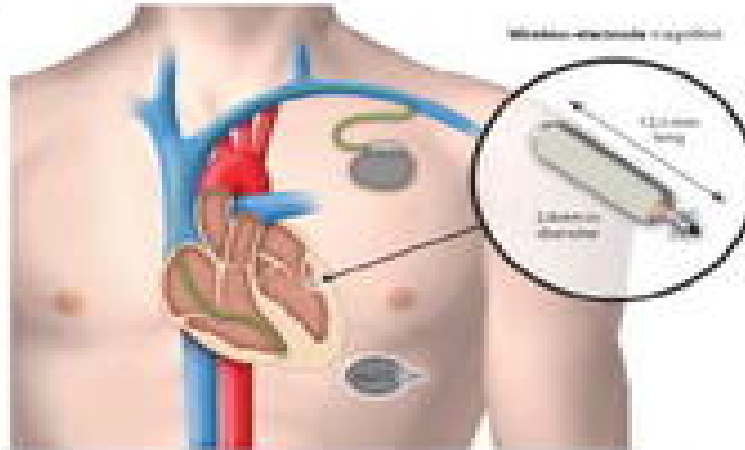
(a) Laser-powered unmanned aerial system



(b) Electric toothbrush



(c) A smartphone being charged wirelessly

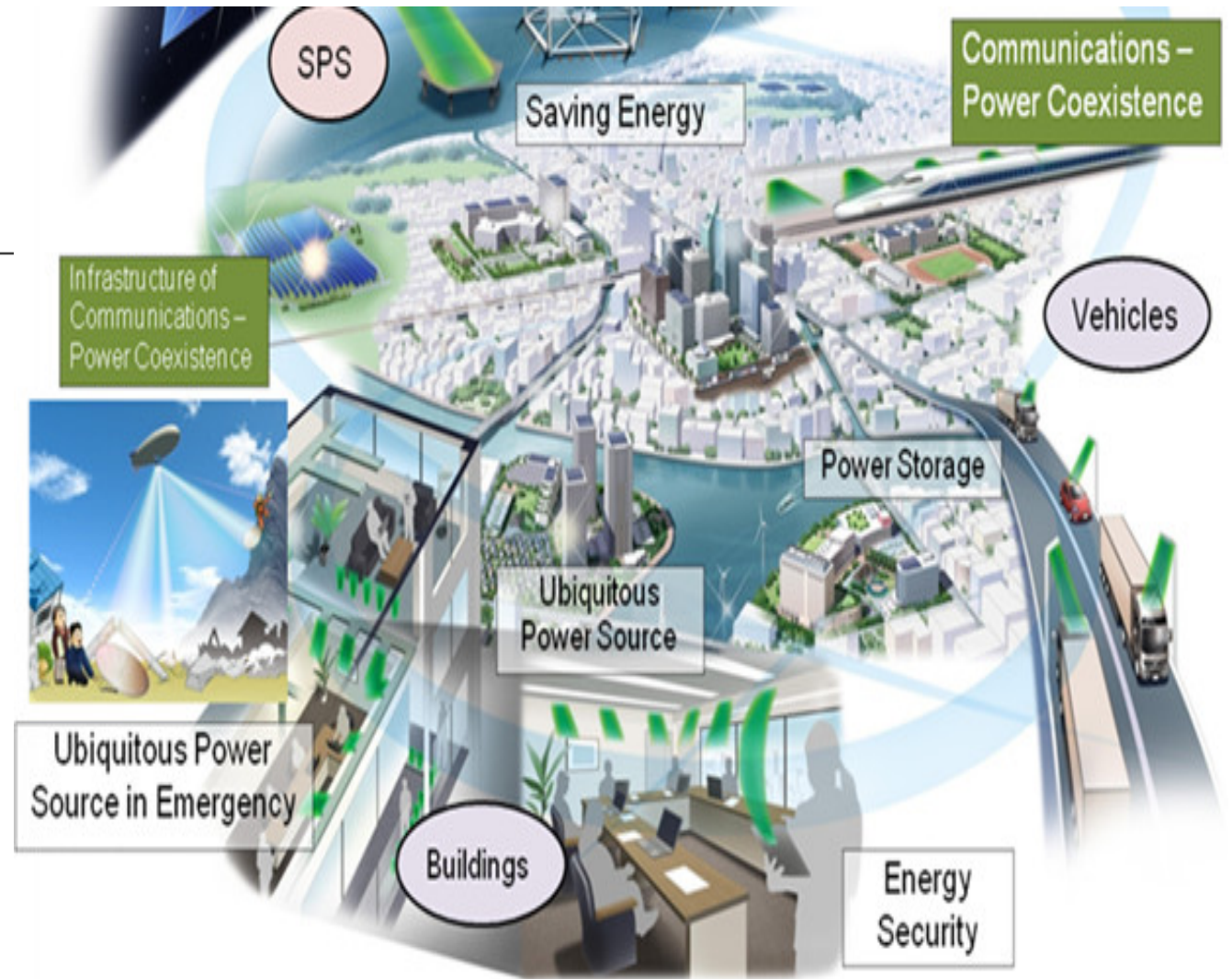


(d) Leadless pacemaker charged by wireless electricity



(e) A wireless charging system for an electric vehicle

FUTURE SCOPE



FINANCIAL BUDGET – 200/-

REFERENCES –DAY TO LIFE
GADGETS, MONTHLY
REASEARCH REPORTS,
GOOGLE.