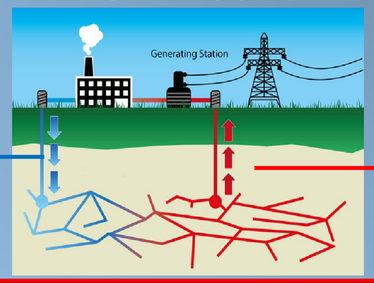
Smart Houses: Why Choose a Smart House?

Smart Houses

Why Choose A Smart House?

Energy Expenditure

- Renewable energy: geothermal: the energy stored in earth in form of heat. Hot water can be used directly or used in turbine-generator system to generate electricity.
- Energy-saving equipment: a general electric heater consumes much more energy than using earth tube fan which is an underground pipe generating heat in the house.

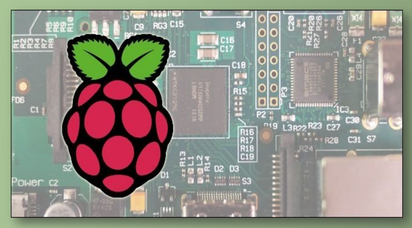


Disaster Management

- Prevent structure failure by programming a system in the smart house to show faulted areas or damaged equipment and send alerts to the owner.
- Choose right materials for houses to minimize damages that may result from natural disasters. Rather than using wood to build the house, concrete construction is much better in handling the issues of fire hazards, rot, and tornados.

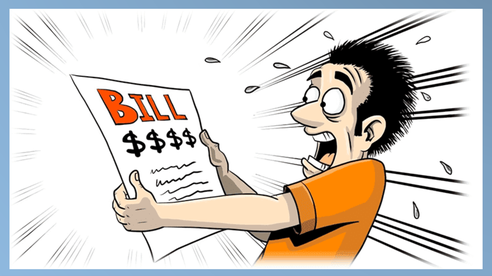
Home Management

Full control and monitor can be achieved by building connections between areas of the house to. The house control unit is accomplished by using Arduino and a smart chip called Raspberry Pi. Whereas Arduino is a programming language, and Raspberry Pi is a chip can be easily programmed. Examples on what you can control are temperature and brightness.



Cost Efficiency

If we are considering the long term, smart houses are value- effective, because the amount of electricity saved by using smart equipment is much more than using regular equipment.



References:

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