eLabtronics Spearheads Energy, Environment & Water Conservation Initiatives in schools

- Energy saving projects ensure less coal and petroleum consumption to produce electricity.
- Energy saving projects reduce carbon emission which contributes to climate change.

eLabtronics energy saving projects spark off creative thinking in schools.

Challenge: Extend the life of batteries that run a small wireless mobile robot
- Before re-design, the 4 x AA normal batteries last for 10 minutes
- After re-design, the 4 x AA normal batteries last in excess of 300 minutes.

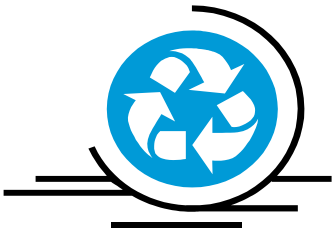
A group of students use ezCircuit Designer and CoreChart to fast track their learning of electronics and microchip programming. They design an innovative electronic circuitry in order to extract the remaining battery power to run the mobile robot. The students went on to develop the circuit in order to use re-chargeable batteries.

Consequently the number of batteries consumed is reduced, resulting in a reduction of chemical pollution to the environment.

Apply similar physics or science projects to spark off creative energy saving and environment conservation projects e.g. smart air conditioners turn on and off to save energy.

dc-dc circuit extends battery time from 30 to 300 minutes
ezCircuit = Smart products

Less batteries = less chemical pollution to the environment



Clean environment = clean water & food supplies

Sparks off environment, water, energy conservation projects in schools

Smart air conditioners save electricity generated from coal and petroleum

Energy saving = less carbon emission, less global warming & climate change