



HIGH-TECH DOOR LOCK

Digital devices are swiftly overtaking their analog counterparts, and that includes the locks on our cars and homes. Goji is a smart lock that opens your door with a smartphone from anywhere in the world, but it also does something rather unusual: it takes a picture of the person unlocking the door. The Goji easily connects in place of a deadbolt, then hooks up to wi-fi network. Every user has a unique electronic key, so the Goji greets them by name every time they open the door.



ECO-FRIENDLY BRICKS

The paper industry produces a lot of pre-consumer waste that can easily be put to use in various ways. A group of scientists have come up with a way to turn paper industry by-products into eco-friendly bricks. The production process for the bricks is less time-intensive than for traditional bricks, making them more cost-effective to produce. The process is surprisingly simple. The paper waste is mixed with clay and with sludge left over from waste water purification, then the mixture is pressurized and extruded into long pieces. The long pieces are cut into small, brick-sized pieces and then fired in a kiln.

SLICK USB CHARGING DEVICE FITS IN YOUR WALLET

To be honest, carrying a cable in your car or bag to keep your phone charged probably isn't that big a deal to most people. But for those of us who can't be bothered to take one along, the Charge Card is a brilliantly designed gadget to keep your mobile phone or iPod topped up at all times. The Charge Card is, more or less, a USB cable sans cord. It's the size and shape of a credit card, so it stores handily in your wallet or pocket. You can keep one in your wallet at all times just in case of an eventual iPhone battery emergency.



WHEELCHAIR USES MOTION TO LIGHT THE WAY

A wheelchair user is somewhat vulnerable, being low to the ground. Non-electric wheelchairs have the added disadvantage of being dependent on the user's own power to move them out of the way of danger. Adding lights to wheelchair is an easy way to increase the user's safety. This cool concept uses the chair's own motion to power the LEDs on the wheels. The kinetic energy provided by the movement of the chair is stored in the wheel itself, and the available amount of energy is shown on the small display in the centre of the wheel.