

**Power Pack****Motor Wheel****Connector**

The Swytch eBike Kit. | Photo source [Swtch Website](#)

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## A CONVERSION KIT TO “RECYCLE” REGULAR BIKES INTO ELECTRIC BIKES

 MOBILITY & TRANSPORT

### Using the Swytch kit, cyclists are now able to turn their existing bicycles into electric bikes

**Spotted:** London startup [Swtch Technology](#) has built the Swytch kit, a hand-held kit that can make any bicycle electric.

Now, cyclists can enjoy all the benefits of an electric bike without having to buy a new bicycle. This “recycling” not only reduces carbon emissions but also means people don’t have to part with their beloved bicycles.

The kit includes a 250W power pack with an advanced lithium battery, allowing the bicycle to move up to 15 miles per hour. It also features an LCD display that provides information during rides, a motor wheel to replace the stock front wheel and a USB port to charge phones. The power pack also includes a 6km walk mode to assist users when walking with their bikes.

The Swytch kit takes up only 10 minutes to install. It is also much more lightweight compared to other e-bikes, which mostly have chunky motor systems. Instead, the Swytch kit only adds 2kg to the bike.

The company started its crowdfunding campaign in 2017 and has already exceeded 500 per cent of its target.

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## Takeaway:

In the UK, the transport sector contributes over 30 per cent of all carbon dioxide emissions. A report by the [European Cyclists' Federation](#) found that bicycles and e-bikes have an emissions rate of 22 grams of CO<sub>2</sub>e per person/km respectively, while buses emit 101g and cars 271 g of CO<sub>2</sub>e per person/km.