

## Centinel Wheel makes bikes into e-bikes

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2 PICTURES



The Centinel Wheel replaces an existing bike's rear wheel (Credit: Hycore)  
[Image Gallery](#) (2 images)

If you'd like the ease of an electric bicycle but don't want to give up your perfectly good "manual" bike, there *is* something you can do – you can replace your bike's existing rear wheel with the electrically-powered [Copenhagen Wheel](#) or [FlyKly](#), or replace its front wheel with the [Omni Wheel](#). Those three products may soon have to make room for another competitor, however, as the Centinel Wheel enters the marketplace.

Like the Copenhagen Wheel and the FlyKly, the Centinel is swapped with a regular bike's back wheel – plans call for it to first be made in a 26-inch wheel size, with other sizes to follow.

The Centinel contains a microcontroller, two 180-watt motors (for a total of 360 watts) that can be removed for upgrading, and a 24-volt 13-amp lithium-ion battery that can also be taken out for charging.

### TV 프로그램 정보



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## Converting Your Bike Into an e-Bike Made Easy

Gerald Yong - 9th Mar 2016

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Hycore was established by the invention of an innovative dual motor system by a Ph.D student studying robotics.

CENTINEL wheels allows anyone with a regular 26-er bicycle (current available model) to easily convert into a pedal-assisted electric bicycle, just by hot swopping the original rear wheels with this new innovation. R&D is underway to manufacture wheels to fit another wheel sizes.

Despite the sleek look, this beauty comes with dual 180W DUOMO motors, detachable 24V Lithium-ion batteries which can lasts 2-4 hours on a single full charge, detachable housings, and even have bluetooth function to link with your iOS or Android smartphones!

The batteries only needs 2-3 hours to be fully charged, meaning one can easily hit back onto the road fast.



We know what you will be thinking. Is it heavy? No, surprisingly the whole setup is only 6kg!

Hycore the manufacturer is currently sourcing for distributors in the ASEAN region, to find out more, visit their website at [www.hycore.com](http://www.hycore.com)

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