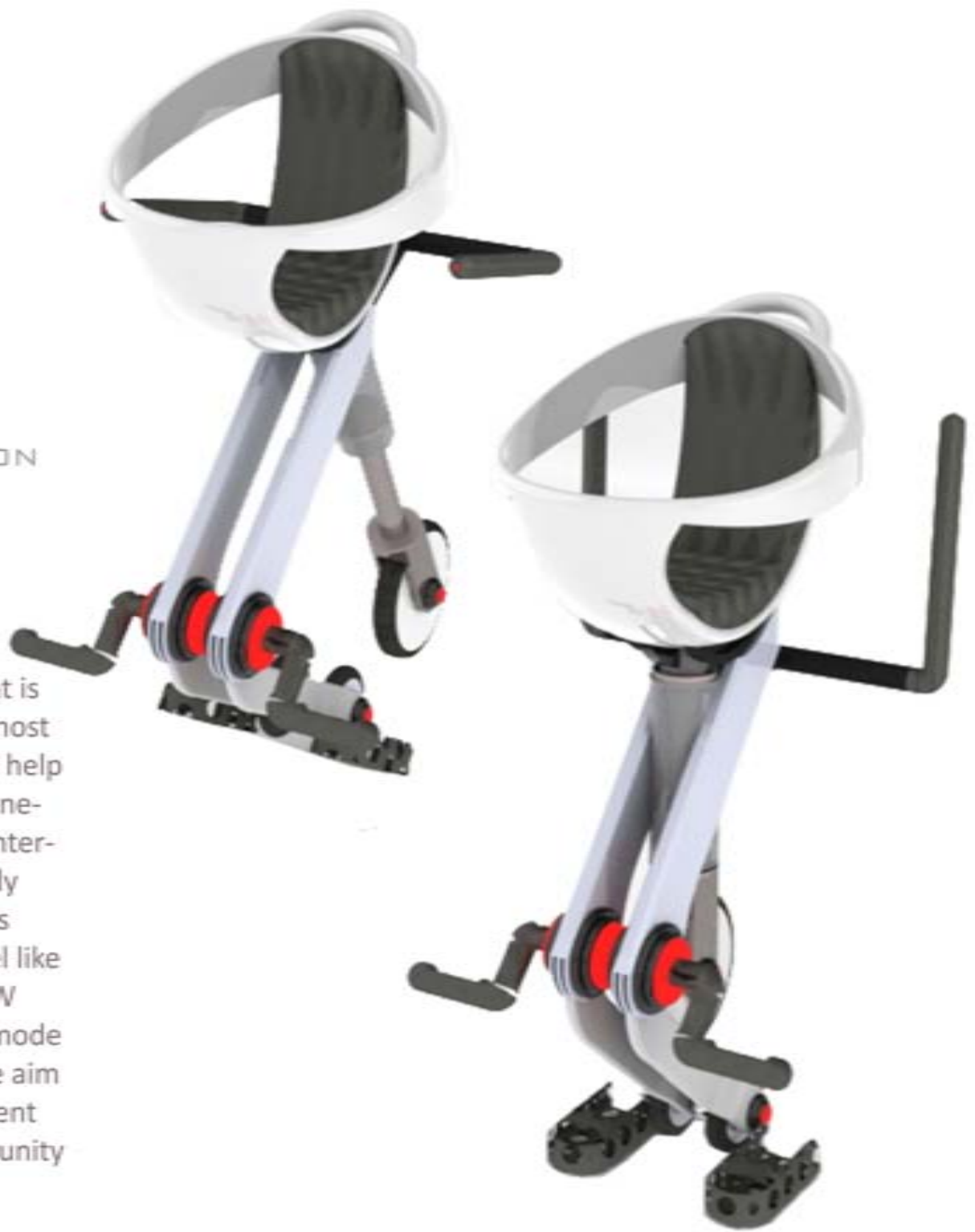


WOW

THE NEXT GENERATION OF TRANSPORTATION

Wheel Or Walker as known as WOW is a social robot that is being designed to be sustainable transportation. Unlike most of the sustainable transportation which is intended just to help the user to travel from one place to another in an environment friendly way, WOW is being designed to be smart, interactive and bonded with the user. It functions instancelly according to what kind of traveling that the user wants whether by wheel or foot. In addtion, it make the user feel like a part of him/herself when he or she wear it. The WOW concept is able to switch between "wheel" and "walker" mode by toggling the switch that is embedded on the robot. The aim is gives them a greater mobility and freedom of movement anywhere anytime. Moreover, it gives everyone an opportunity to do something green to the world.



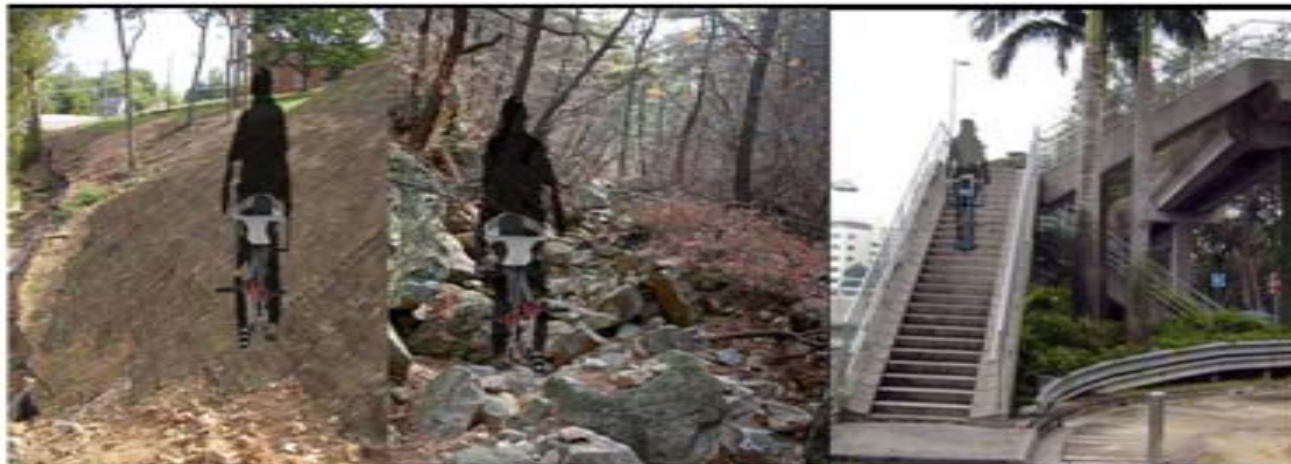
The Wheel & Walker Mode



In "Wheel" mode, the device will form into a unique transportation device which allows the user to ride and travel around the town that are too far away to walk. It comes with different riding styles which allows the user to enjoy and experience different joy of riding. Moreover, there's no need to worry about their tired leg for the long trip or waiting. The user can always have a seat anywhere anytime with the "Wheel" mode.

WOW

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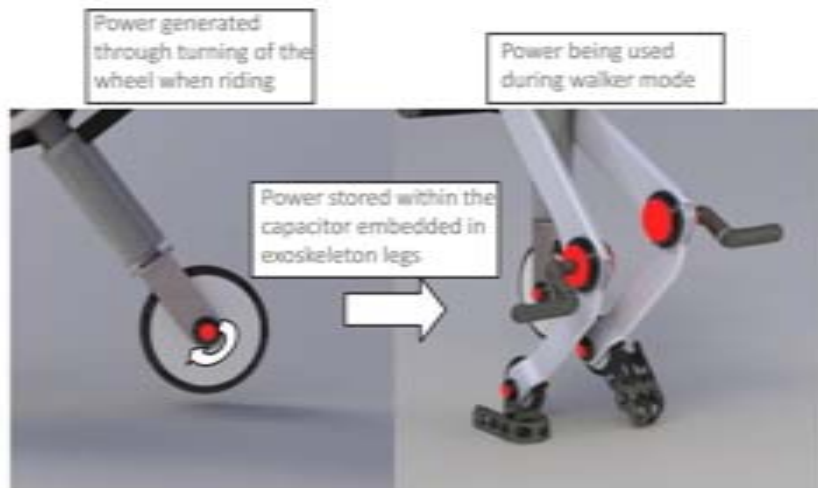
The user can then switch to "Walker" mode when come across wheel obstacle such as stairs, slope or rocky path by just a push of a switch. It works by transforming into an exoskeleton leg to allow the user to move using walking motion. In addition, it supports the user's body's weight while sitting on it. By supporting the body's weight, the device reduces the load on the leg muscles and joints while walking. Hence, it makes bipedal mobility less of a strain. Thus, no effort is being wasted to carry the device up the stairs or along the rocky path. All he or she needs to do is just to walk with minimum effort.



Advantages



Being a fuel-free transportation, it could help to reduce the carbon footprint. In addition, it's a space-saving solution when it comes to traffic jam issue. Thus, it makes a green transportation for today's world.



A dynamo is being installed on the rear wheel. While the user is riding, it generates the electricity and stored within the capacitor via the use of dynamo that was installed. The electricity will then be used during the "Walker" mode. In other words, the electricity being stored within the capacitor acts as a secondary power for that exoskeleton legs. Thus, no power is being wasted when ascending and descending stairs. It's works similar as the car's alternator.

WOW

The Next Generation Of Transportation



WOW II is being designed to be foldable for easy storage when it is not in used. Whenever, the user is on the bus or in the office, its compactness and foldable design makes it easier to bring it around anywhere.

