



Design logic for the cycle industry and the consumers

Industry and bike shops

FreeFlow has set out to address the following challenges with Ebike design for the industry

- Make it easier for the brand to make a frame
- Speed up installation time for the brand at the factory
- Connect the brand to the bike shop with a transmission that is serviceable where the bike is sold

For the end consumer

FreeFlow addresses several concerns the consumers have with the current market offerings

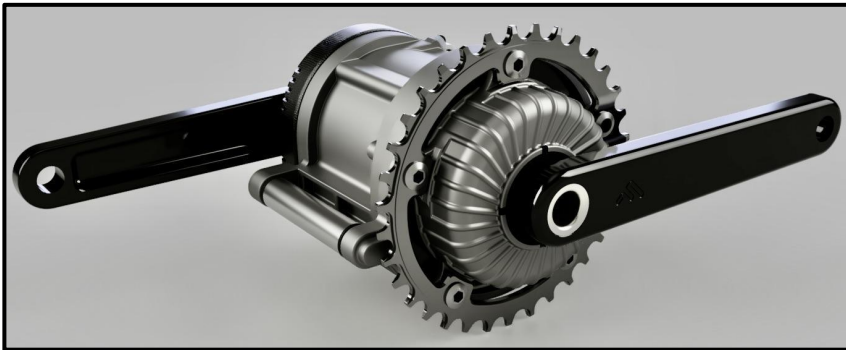
- Ebikes are heavy
- Ebikes look very bulky
- Do not ride like normal bikes



ETS Flexwave harmonic drive

A drive system that has no planetary gearing

- More compact
- Lightweight system
- Co-axle design
- Integrated cranks, spider and axle



Serviceable at retail stores



FreeFlow have made the ETS system serviceable at the bike shop

Items that can be serviced

- Bottom bracket bearings
- Main master bearing
- Flexwave harmonic (gearbox)
- Electronics are a swap out component

This gives bike shops

- Same/ next day service to customer
- Labor rate revenue stream for the shop
- Parts revenue stream to the shop

Consumer benefits

- Same day service/ next day if parts are needed
- Gone are weeks waiting while transmission is away at a service center like with other brands



Bike Solutions



Mountain Bikes

The Clam shell motor brackets allows for better placement of main pivots.

Batteries can be internal or external for easy swap out in bike park settings.



Gravel/ Road Bike

Clamshell design gives aesthetic looking ebike and overall system weights contributes to a light bike as well.

The gravel market is a key focus currently with many brands looking to offer a lightweight gravel eBike



Hybrid/ Commuter bikes

With an external removable battery solution this set up provides a light weight and functional commuter bike.

One of the largest growing sectors of eBike sales

