

Technology Factsheet 2

Rental Bicycle

The Hourbikes are specifically developed by us over several years of use to provide a robust, comfortable and low maintenance bicycle suitable for use in permanent outside conditions. The basic design of the bike is for a low centre of gravity, unisex step through frame and a wide saddle adjusting range to make it easy to ride and available for as many people as possible. The use of fully enclosed hub gears, brakes and dynamos reduces maintenance and increases serviceability. The bikes are fully equipped with lighting to UK standards and have the following key features:

- Alloy frame with A4 grade stainless steel fastenings.
- 3 or 5 speed Shimano hub gears
- 90mm hub brakes front and rear
- 26" rims, self sealing and Kevlar shielded tyres for puncture resistance
- Hub dynamo lighting with quality LED Basta lights front and rear that stay on for 2 minutes after the wheels have stopped.
- Shaft drive eliminating all issues with chains.
- Large front mounted luggage basket
- Bell
- Centrestand / Sidestand
- Adjustable, but not removable seat post.
- Combination lock fixed to front luggage carrier
- New for 2015 – Puncture proof airless tyres.



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Technology Factsheet 5

Electric Assist Bike Sharing

Public bike schemes using pedal cycles have become a proven form of transport in hundreds of towns and cities worldwide. However our research indicates an additional significant proportion of the population would more readily accept two wheeled transport if their travel was helped by the use of an electrically assisted bike.



So we are delighted to be able to announce the availability of a complete public ebike system, using the proven pedal bike rental stations but with additional facilities that charge bikes automatically as they dock, ensuring their “always charged” availability.

The bikes have been specifically designed for 24 hr outdoor, rental conditions, an environment of use which is very different to that which most retail ebikes are designed for. As such, useability, comfort, reliability and robustness combined with a stylish look have been key design criteria.

- Alloy frame for reduced weight with strength
- 240W German made electric motor
- Entirely automatic electric assist – no switches required
- 36v battery options located low on bike for improved centre of gravity
- Walking mode to assist with handling
- Always on lighting with quality LED lights front and rear.
- Fully enclosed drive guard that contains all electronics protected from water and dirt



- Large front mounted luggage basket
- Adjustable but non removable saddle
- 90mm hub brakes
- Sidestand
- Built-in GPS and 3G modem to provide tracking capability and additional security.

