

Background and contact information about your business, organization, or company

YikeBike is the world's smallest lightest electric bike that is designed to seamless link with public transport and can be stored anywhere. It costs less than 9 cents per day to operate so is a fast, safe, cost-effective, eco-friendly way to navigate their cities and towns.

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Detailed explanation of the entry to include

The YikeBike can be folded or unfolded in about 15 seconds, and is light and portable enough to be carried onto a bus, train or elevator, or stored in the trunk of a car or under a desk. Its portability also means that consumers need never to worry about the storing, securing, or possible theft or vandalism of their YikeBike – as they would with a regular bicycle.

Our aim was to design a personal transportation device that was as safe, maneuverable and as easy to ride as a bike but was designed for lower speeds 20km/h and vastly smaller so that it can be easily taken anywhere in a congested city. Rather than take a normal bike and crunch it up like most folding bike designs we took a step back to see if there was another safe stable configuration that is vastly smaller when folded.

How the entry is manufactured and delivered to consumers?

YikeBike has been in development for 6 years and is now offering two models of YikeBike that are sold in 32 countries around the world.

The 'Carbon' model weighs just 10.8kg and is mainly constructed from at latest carbon fiber technology and has been in production for one year. It has already been in Time magazine, taking 15th in the inventions of the year 2009 and in the Guinness Book of Records as the smallest folding electric bike in the world.

The new 'Fusion' model offers the strength and affordability of alloy materials, weighing in at 14kg. The Fusion is already in full production and is priced at almost half the Carbon model uses hydro formed high tensile aluminum alloy and composite reinforced polymer. Weighing 14kg the fusion is 3kgs heavier then the Carbon but still folds into the same small portable shape.

What the entry is and its intended use.

YikeBike is a statement about using smart technology to solve the problems of our increasingly congested, polluted, stressful cities. It is the first commercial expression of the mini-farthing concept, created up by a bunch of successful entrepreneurs, engineers and dreamers. We sat down to try and answer:

- What is the simplest way to get from A to B with the aid of a machine?
- What is the smallest wheel you can have to get a stable, safe, comfortable ride?
- Can you make something small enough to be able to go with you anywhere in a city?
- Wonder if we could make a unicycle dramatically easier to ride and fold?

We were intrigued by creating something that could dramatically change urban transport, enabling city dwellers a fast, safe and easy way to navigate their environment.

The result was the mini-farthing concept and its first expression, the YikeBike. It employs state-of-the-art technology, engineering and industrial design to create a new class of personal transport.

How the entry exhibits excellence in sustainability and environmental responsibility.

If you compare a YikeBikes environmental foot print to a car then there just is no comparison. When you go from place to place instead of taking a 1500kg machine with you the YikeBike is only 10 kg.

We were intrigued by creating something that could dramatically change urban transport, enabling city dwellers a fast, safe and easy way to navigate their environment in the most environmentally friendly way possible.



Carbon

Weight 10.8kg
 Materials Carbon Fibre



Fusion

Weight 14kg
 Materials Aluminium & Composites





Specifications

Price: Please click here to see the shop

Drive: Electric Brushless DC motor

Brakes: Electric anti-skid, regenerative

Battery: LiFePO4

- ▶ 50 min recharge with optional fast charger
- ▶ 120 min recharge with standard charger

Speed: 23 km/hr (14.3 m/hr)

Power: 1 kW

Lights: Hi-vis built in LED

Range:

- ▶ 10 km (6.2 miles)
- ▶ 20km (12.4 miles) with 1 additional Battery Pack
- ▶ 30km (18.6 miles) with 2 additional Battery Packs

Fold size: Compact 43 litres

Fold time: Under 20 seconds

Height limits: Over 162cm* (5 foot 4 inches) and under 193 cm (6 foot 4 inches)

Wheels: 20" front and 8" back

Weight limit: 100 kg (220 lbs)

* Specifications subject to minor change