

# matt houghton ba(hons)



Each year in the UK around 19,000 cyclists are injured or killed in road accidents.

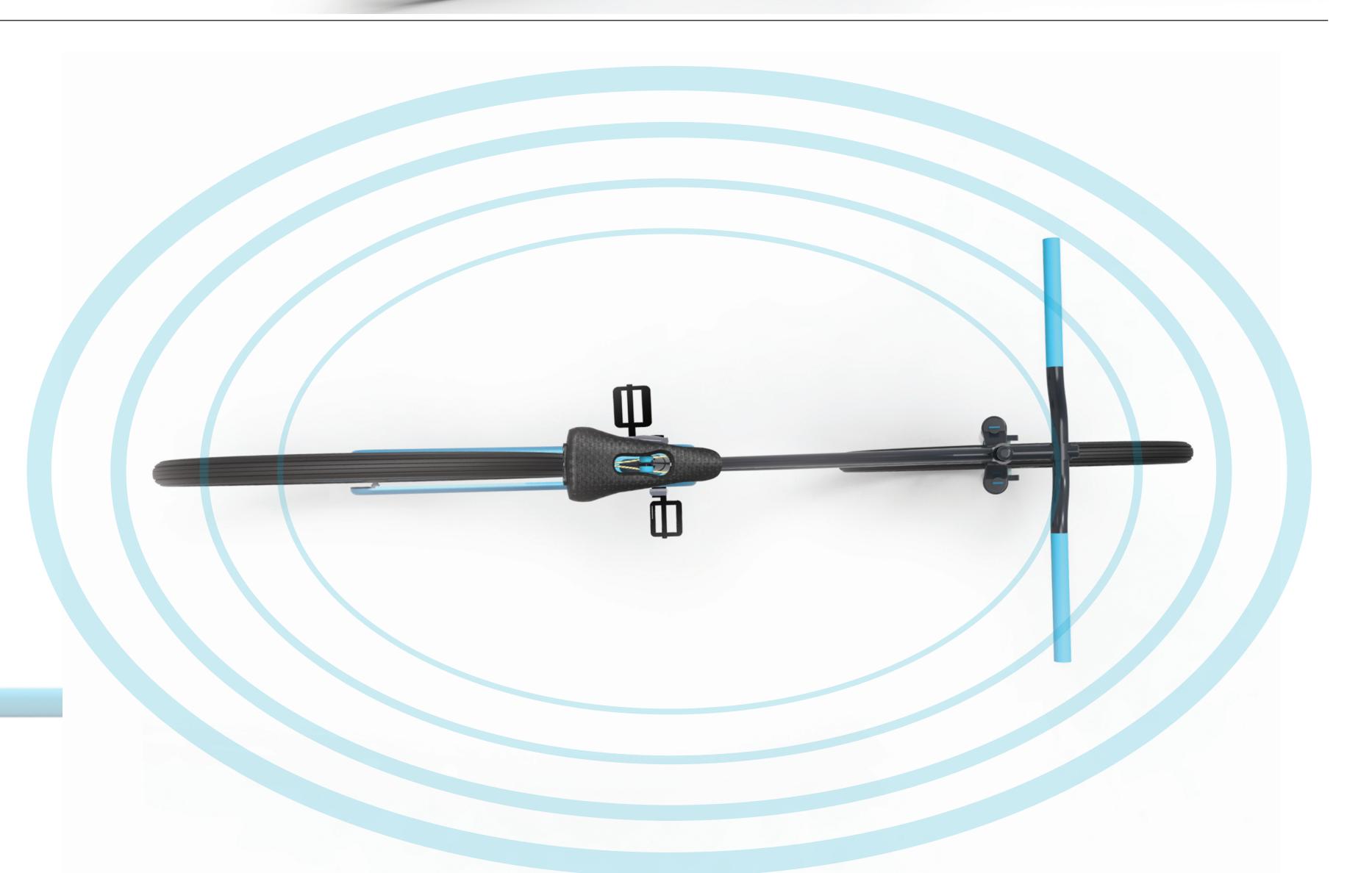
### Description -

The Urban Vélo is a bike sharing system that is designed to allow users to rent a bicycle from a multitude of dispensaries hubs around the urban environment. The bicycles themselves feature an innovative system, which allows them to communicate with vehicles in close proximity, to avoid collision.



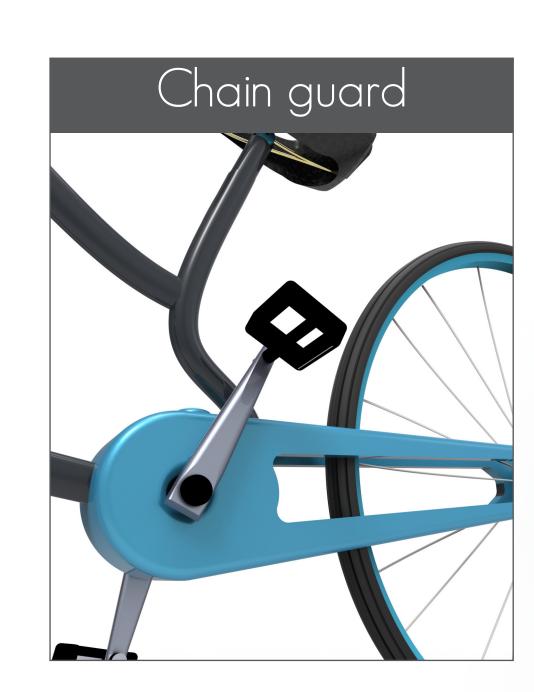
#### Safety -

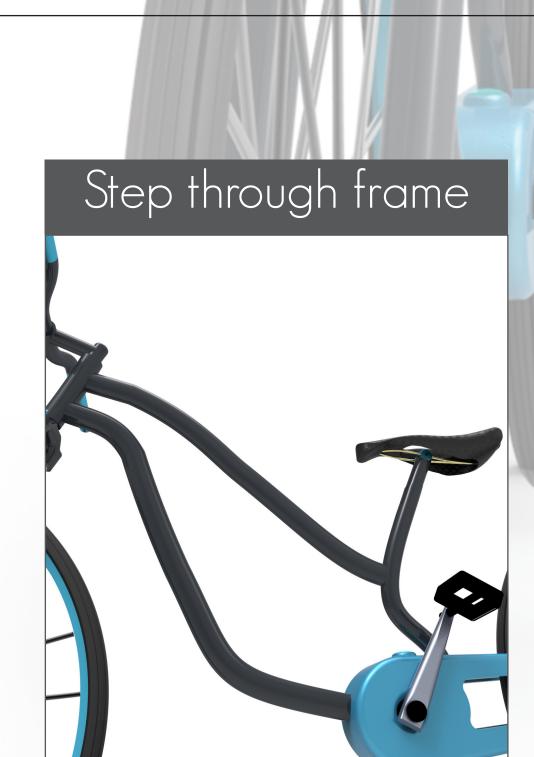
The bicycles use vehicle to vehicle communication software, that allows the bicycle and the surround vehicles to interact, it will inform the drivers that bicycles are in their close proximity, to create a safer road for the users of the bicycles

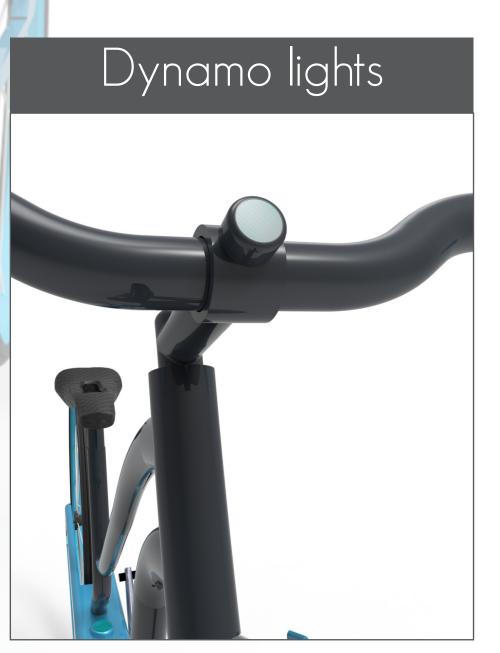


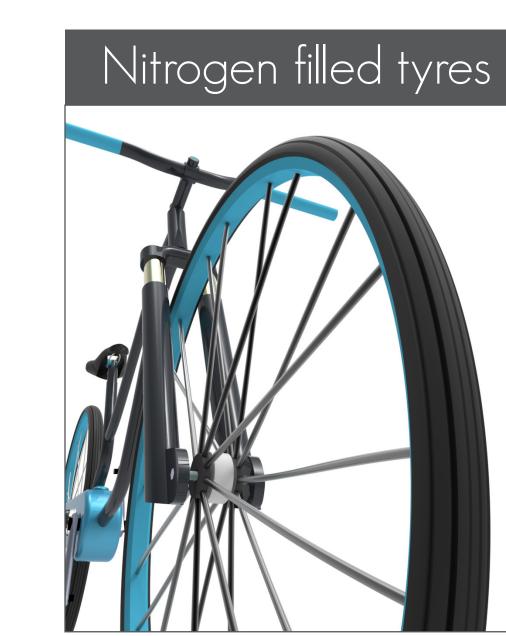
The rings represent the radius of the V2V sensor, any motor vehicle that enters the proximity is warned of the presence of the cyclists.

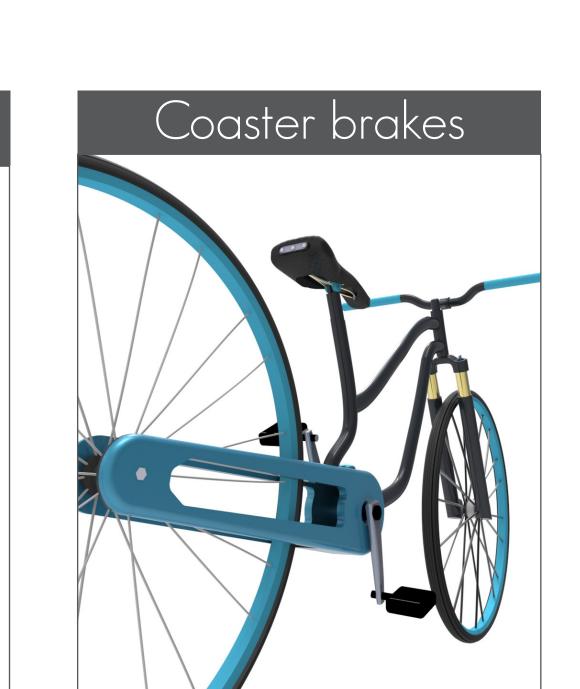


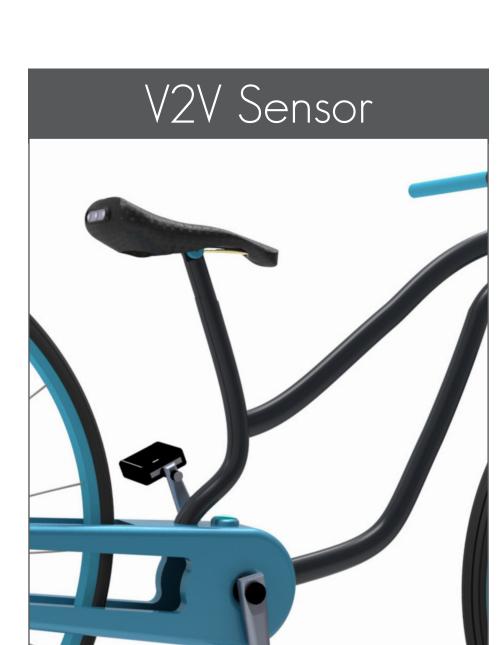












## Storage

The storage system incorporates a UV cleaning system, which will remove all germs and bacteria from various contact points on the bicycle. The use of steam cleaning, will remove all dirt and larger particulates and while in storage the bike is completely theft proof. Through the use of clever design the bike can be accessed easily and be used by the public almost straight away. The monorail, track design acts as a method of release, revealing the bike from its once hidden holding unit. Each individual unit has the capability to be combined with multiple units, to create a dispensary hub.

