

What is the problem

Majority of vehicles on road are single occupancy. This increases number of cars on road, increasing the daily commute time and stress levels. Traffic is not just a nuisance for drivers: it's also a public-health hazard and bad news for the economy

Transportation studies conclude that 7 billion hours of time is lost to sitting in traffic. US loses 3 Billion gallons of fuel annually, making cost of congestion to around \$160 billion or \$960 per commuter.

What is the solution

The basic problem confronting transportation planners is that adding new infrastructure to relieve congestion is a notoriously slow and costly process. On the other hand cab-aggregators are adding more metal to the road

Everyone travels everyday, a true carpooling platform with active rides to provide uber-efficient, affordable, intra-city transport solution is need of the hour.

Why Carpooling platforms never worked

All carpooling platforms available provide a planned approach for sharing ride, while this approach is good to manage a weekend travel, but is not effective in finding an instantaneous carpool at anytime. Hence carpool platforms fail to guarantee rides as they don't have active rides on platforms.

Sharing a ride on app is a cumbersome approach as :-



Battery drainage

Many people often disable GPS to save battery. Without active rides, any carpooling platform is just another classified advertisement app with section devoted to sharing rides



Privacy

Ride-sharing apps pose numerous privacy concerns due to the vast amount of personal information that may be collected, used, and shared by the millions of apps in the marketplace. Users don't feel comfortable sharing their location details with any platform



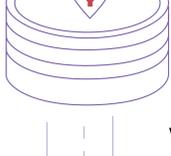
Motivation

Even after providing GPS and Network access for entire journey, most of the early users providing active rides never get guest riders on board and hence they are not motivated to use platform next time.

Carpooling Our Solution

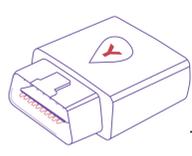
For sharing rides conveniently we devised a solution which is independent of user's mobile device, a solution which is not just an app, a solution which could be used by 18 to 80 year old users.

We designed a hardware device which plugs into OBD port of any car, this hardware has GPS and Network and keeps track of users identity.



No More Battery / Privacy Issue

We wanted all things to fall in place at the push of a button, so we designed a push Button. A simple button which can be placed anywhere in the car. This button once activated will initiate the hardware via BLE 4.0 protocol and start syncing vehicle's location to the platform. So now user doesn't have to worry about device battery or privacy issues.



Driver is Miner

To motivate hosts to share their drive we developed a new economic measure called Proof of Travel wherein car owners mine coins while driving. Keeping the mining incentive directly proportional to distance tracked in blockchain. The hardware device which goes in OBD port is our mining device rewarding user on basis of km / miles made available on the platform



Blockchain Integration

The Yantha Data Layer is backed by the Ethereum blockchain. Community members identity and reviews are all kept in blockchain bringing back trust in carpooling.

5% of ride fare is kept to populate mining pool to maintain a strategic equation for providing affordable trips while keeping drivers motivated to share ride. Besides this 20% of total token supply is kept for mining purpose

Token Distribution

