



Wipro Wipod

Wipod, is our very own version of Firefly which is bound to gather the attention of all its beholders. An autonomous vehicle is a computer on wheels, taking decisions as it drives. The four basic questions it needs to have the answer for at any moment are - Where am I? What is around me? Where am I headed? What do I do next?

Wipod is Wipro's star technology demonstrator and is essentially a computer on wheels.

Key takeaways



Understanding the features of Wipod

On top of the algorithms which enable the navigation of our driverless vehicle, there are mechanical components and features to gather the attention of our clients. Smart summon, Firefly kind of design, automatic doors, electric batteries, a plethora of sensors, drive by wire system, etc. are some of these components of this masterpiece.



Knowing how this vehicle makes a compelling case as shuttles in constrained environments

Today around half a dozen or more companies are existing as AV shuttle companies, we are in a position to partner with them and improve their solutions

Key benefits

For Users

Complete autonomy in a constrained environment

- The Wipod is an SAE defined level 5 autonomous vehicle
- Constrained environment like our office campus gives us the benefit of more predictability
- Also, a detailed HD map of the office campus helps the Wipod take the right decisions

Shuttle like movement

- A driverless vehicle is an unprecedented addition to mobility across short stretches, in a shuttling fashion

For Companies

- For companies developing their own Autonomous shuttle we find ourselves in a position to be able to point out some nuances related to possible edge case scenarios owing to the experience we have
- Wipod has given us experience in battery management systems and electric vehicles as well

Wipod is a demonstrator of our capability in building an Autonomous machine grounds up. This design, as it is, is applicable for movement inside campuses like technology parks, hospital compounds, small townships, etc.

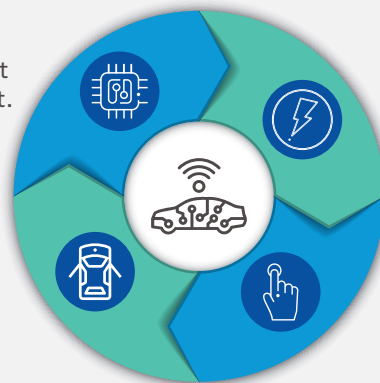
Features

Drive by wire system illustration

The vehicle is first converted to a drive-by-wire system; all mechanical controls are passed on to computers that can then control the vehicular movement.

Robotically moving car door

Once the vehicle has been summoned to your location the doors of the vehicle open robotically in the falcon like fashion of Tesla vehicles and anyone can step into the vehicle as a rider to experience a truly driverless ride.



Electric powertrain

The Wipod is powered by a battery system, and this is also built by our team

Smart summon, pedestrian avoidance

With the touch of a button, the Wipod can be summoned to any location. In doing so the Wipod can easily manoeuvre through the campus, avoiding any pedestrian or other stationary and moving obstacles on its way.

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