AUTONOMOUS DRIVING ROBOT

make any vehicle, autonomous

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PROBLEM

* Autonomous vehicle development results in **expensive** product

* Commonly implemented on **vehicles** with high **customizations**

* Trivial vehicle issues cause the **asset** to stay **idle**; **loss** of **revenue**

* Autonomy is possible only on designated vehicles; **no flexibility**

SOLUTION

* Autonomous **driving robot** in the driver seat operates the controls

* **Separate** from the vehicle; Can be **moved** to other vehicles

* Has **contingency** modes to address the technology limitations

MISSION

We turn **any** standard **vehicle** into a **driver-less** vehicle, as autonomous as other expensive commercial solutions

We help **increase** the **asset utilization**, by quickly shifting our product to any other standard vehicle

WHY NOW?

* **Social distancing** is the new normal

* Autonomous vehicles help reduce physical contact

* World **economy** is **down**: COVID-19

* Expensive assets go out of commission for unrelated problems

* Need solutions to quickly **redeploy assets**
    * Zoomcar, Revv vehicle attachments from owners
    * QuickRide ride sharing and paid vehicle pooling
    * AirBnB postings and homestay portals

MARKET SIZE

* Indian passenger vehicle market grew at a CAGR of 6.2% (2013-19)

* Addition of around **3.3 million vehicles** per year in India

* Around **36 million** standard **vehicles** will be available for retro-fitting to autonomous mode in India

    * Assuming an average car usage of 11 years

* 2% conversion rate with a US$11,000 kit creates a market size of about **US$ 8 billion** in India

    * Users include **businesses** looking for better utilization of vehicles and **individual owners** choosing not to drive

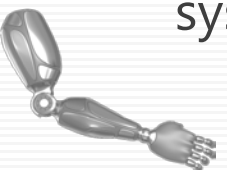
PRODUCT

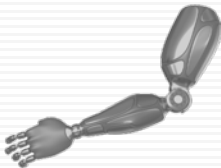
Autonomous robot for placing in the vehicle, that **drives vehicles** using the human operable controls

Includes actuators to adapt to **any vehicle** of similar category

Can be **removed** from the vehicle and **quickly assembled** in a different vehicle

Includes custom deep learning models, computational resources, and advanced control systems, backed by remote assistance system to **enable** the **driver-less** travel





BUSINESS MODEL

IN-VEHICLE
ADVT. REVENUE

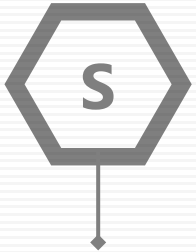
API ACCESS
REVENUE

SUBSCRIPTION/
SALE **REVENUE**

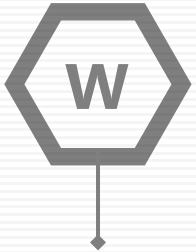
USER BEHAVIOR
ANALYTICS REVENUE

*Break-even:
33,500 subscribers for 10 years

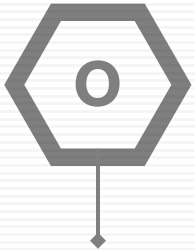
SWOT ANALYSIS



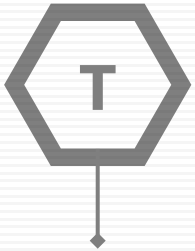
Seasoned engineering talent



Technology progress limitations



No autonomy solutions for regular vehicles



Unknown Govt. policies

PROPOSED TEAM

* Selected few AEG Lead Engineers as core members
    * I am an **IITM** B.Tech+M.Tech graduate with **14+** years, 4 granted **patents**, and international conference **presentations**, and projects in variety of engineering fields
        * ABS, BMS, Haptic systems, Electric motors, Optimization and Embedded Systems
        * Projects related to **self-driving vehicle** technology
            * computer vision and feature extraction
            * deep learning for object classification and behavioral cloning
    * Few more passionate and skilled members

* Several long-term and short-term, **remote**, **contract** employees

WHY FUND THIS?

* Multi-billion dollar revenue opportunity with **high profit margins**

* **Long-term** business opportunity focused towards **future needs**

* **International** market opportunities; everyone has **equal chance**

* Requires **high** engineering **effort** and **time** for execution

* **Early** adopters have clear **advantage**

THANK YOU

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