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Autonomous Driving Kits for Commercial Vehicles

Mumbai

Bangalore

Origin **Highway** **Exit** **Destination**

Human Driver

Loading
Documentation

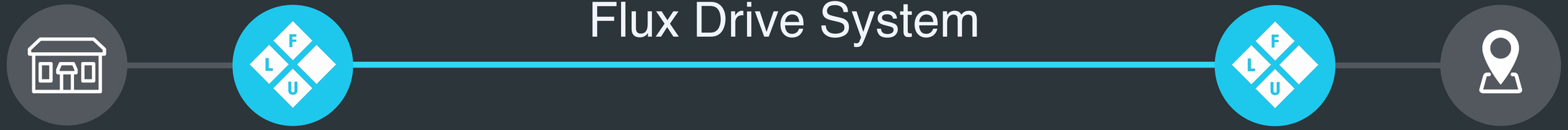
Unloading
Documentation

Modular Self Drive Kits
for New or In-Use trucks

Mumbai

Bangalore

Origin **Highway** **Exit** **Destination**



Loading Documentation

Unloading Documentation

Why Autonomous Trucking

Shortage of Drivers

Global shortage of drivers causing lost revenues to freight companies and OEMs

Growing Shipping Needs

Land freight requirements growing rapidly globally

Improving safety and efficiency

Directly leading to money saved and increased revenues

Fewer Accidents

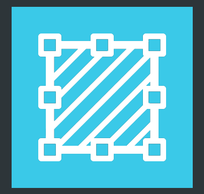
Predict and **prevent accidents** better than humans

Higher Efficiency

Optimizing the **speed** of the vehicle and **route** taken

24/7 Productivity

Able to run **24/7** instead of several shifts requiring multiple drivers



Controlled Environments

Deployment in **Ports** and **Warehouses** improve efficiency

Controlled Autonomy

Pick Lists

Remotely receives Pick List and collects required packages

Improved Safety

No chances of human error - highly trained machines

Higher Efficiency

System doesn't get tired, doesn't take shortcuts

Smart Routing

Using the best route from Point A to Point B

Lane Keeping

Staying in the optimal lane based on speed and traffic

Collision Avoidance

Using AI and DL to prevent accidents

Road Sign Detection

Detecting road signs to ensure rules are met

Current Projects

Adani Ports

—

Automating a port

—

Delivery by Jan 2020

Allcargo Logistics

—

Automating warehouses

—

Delivery by Jan 2020

Upcoming Projects

Mahindra Logistics

—

Automating inter city logistics

—

Delivery by May 2020

TVS Logistics

—

Automating inter city logistics

—

Delivery by May 2020

Under The Hood

Level 3 Autonomy

Camera Array

Other Sensors

360° Awareness

Localization

Path Planning

Control

Sensor Fusion

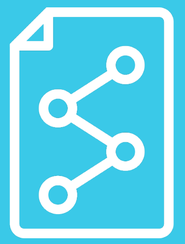
Navigation

Control

What You Can Do

Processes

Pilots



Policy

Infrastructure