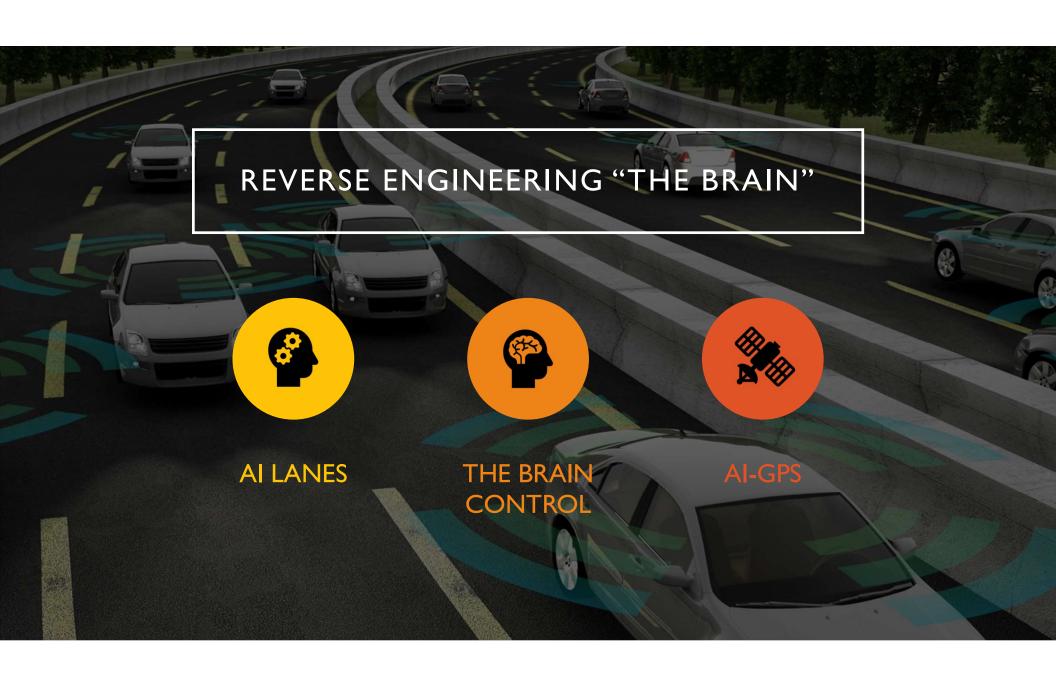






#### WHAT IS BRAIN?

- Software developed by Iron Ox to collaborate different machines on a robot farm
- Company's Grand Vision: Create a fully-autonomous farm where software and robotics fill the place of human agricultural workers
- "The Brain" brings the series of robotic arms and movers together
- Human inputs are still required
- Solves: Shortage of agricultural workers and shipping distance



## THE BRAIN AND AI-GPS IN DEPTH

- Road Network Management: Software: ArcMap

Applications: Attribute Assistant

<u>Database</u>: Road Characteristics, Road network management and local government

- Machine Learning

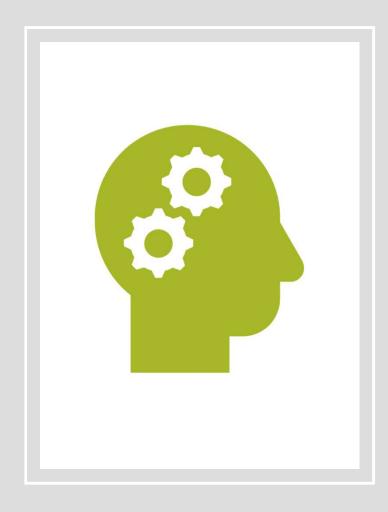
To learn from the surrounding cars or buses, choose routes that are least dense with traffic

- Artificial Neural Networks

Replicates the way humans learn

- AI-GPS

placed in the car receives signals and information from the brain



### COMMERCIAL FEASIBILITY



COST LESS THAN NORMAL CARS- COVERS PARKING AND INSURANCE



**EDUCATING THE PUBLIC** 



MAKES TRAVEL EASIER



BETTER AT FOLLOWING RULES

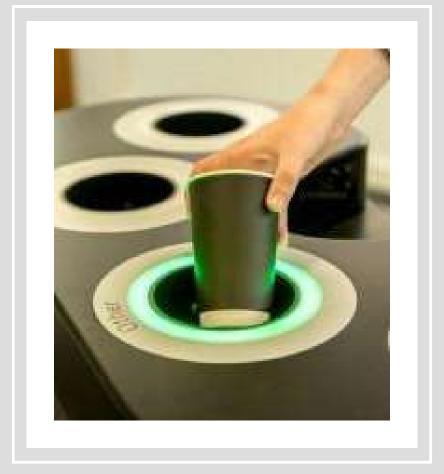
### **OVERALL IMPACT OF CHANGES**

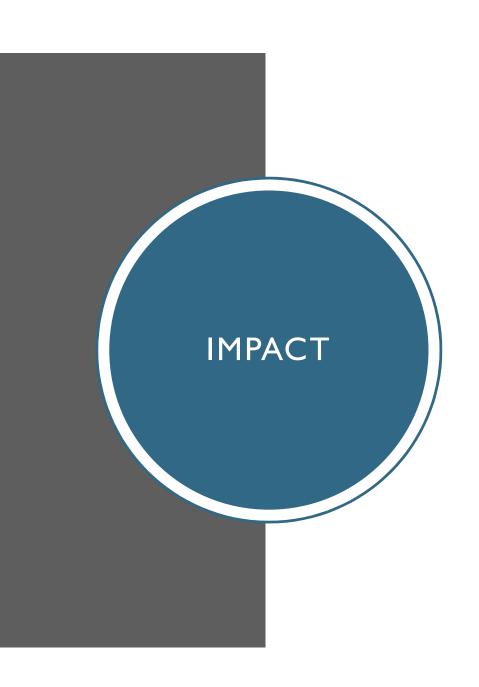
- Faster
- efficient
- less cost transportation

"The problem is less about building a perfect driving system than training by standers to anticipate self-driving behavior" — THE VERGE

# CHALLENGE -2 WASTE MANAGEMENT

- A product similar to an already existing recycling bin that flashes green LED light at the right disposal hole using X-ray technology
- Reduces the risk of contamination of waste
- Multiple stages is necessary so its constantly updated.





- The cost of these specific garbage cans wouldn't be significantly more expensive seeing as how when produced on a mass level, the prices would be even less. Moreover, the market would be very open to it as well
- Once these big companies take this step, it would cause a chain effect causing even more people to implement it. Overall, this would lead to more accurate results from sorting and ensure everything goes in its designated place.