

PI Planning Simulation - Briefings

Briefings for the roles of the Executive, the Product Manager, and the System Architect and Development Manager



Instructions:

- Print out the briefing handouts single-sided
- Distribute them to each of the participants playing the roles of the Executive, the Product Manager, and the System Architect and Development Manager to prepare for the briefings in the simulation



Simulation: Business context



Presented by
the Executive



Autonomous delivery can transform the delivery business. The Autonomous Logistics & Cargo (ALC or '**Alice**') Program will leverage commercial autonomous vehicle technology to support logistics and delivery.



Alice program must support unique needs:

- Speedy delivery to people needing supplies
- Support customers' unique conditions with unmarked roads, varying types of obstacles, and poor road condition
- Enable larger and heavier deliveries on a single vehicle

We need to validate this approach by quickly fielding and demonstrating an operational, end-to-end solution



Simulation: Vision – Alice



Presented by the
Product Manager



Our program vision supports the Alice mission to get the right supplies to the right location at the right time. To support this mission, our ART must:

- Enable the vehicle to handle the unique conditions while maximizing commercial off-the-shelf components and capabilities
- Speed the end-to-end delivery time by utilizing optimal routes and minimizing the idle time at both cargo pickup and cargo drop-off
- Optimize sizable fleets of vehicles at large companies to ensure balanced coverage
- Supporting any physical changes to the vehicle platform that may impact vehicle control as well as physical sensor/camera mounting



Simulation: Features



Presented by the
Product Manager

Priority	Feature
1	Follow Unmarked Virtual Roads
2	Request Delivery
3	Parallel Park
4	Notify Delivery Arrival
5	Fleet Management
6	Smooth Driving with Fully Loaded Vehicle
7	Obey Unique Lane Markings
8	Avoid Obstacles Unique to Government Installations

You have a list of 8 Prioritized Features and each of you can come to me to get a Feature. You have already worked with the Product Owners to build some starter stories



Briefing for the System Architect and Development Manager

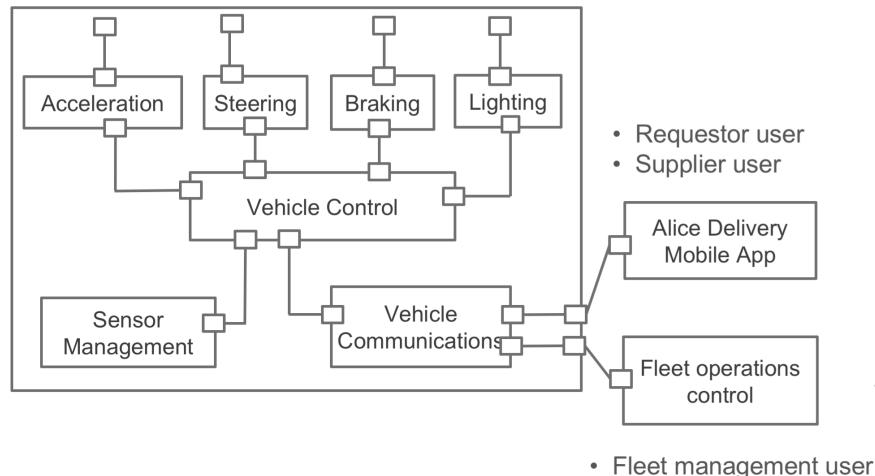


Simulation: Architecture and UX briefing



Presented by the
System Architect

Alice vehicle platform components



The Alice vehicle platform has several components that interface to sensors, control the vehicle, and communicate with users. Alice provides a mobile app for requesters and suppliers to communicate with their delivery vehicle and a fleet control system to manage Fleets of Alice vehicles. Your Features will modify one or more of these components.





Simulation: Architecture and UX briefing



Presented by the
System Architect

We support the following development environments:

- Embedded engineers use a common IDE with the embedded Linux SDK provided by our Viral Video suppliers
- Mobile development will be performed on Android Studio and XCode
- All teams must upgrade their IDEs to latest version this PI for stability

We have a test track the prototype delivery vehicle teams can use for end-to-end testing and to validate readiness for the upcoming demo.

