

# Honeywell

# AEROSPACE design challenge

2015

## FUTURE HIGH FLIERS

### BRIEF

Design an immersive cabin experience for global private jets

Leverage internet connectivity to deliver solutions built around unique interaction paradigms providing an immersive cabin experience. Provide real time personalized control for the cabin environment as well as in flight entertainment.

### OPPORTUNITY AREA

The future generation of high fliers will no longer be content with existing technologies and their inter-dependence from each other. They expect their tools and devices to be updated with the latest information automatically, and effortlessly. The need for everything to be connected is now greater than ever.

### SOLUTION CONCEPT

#### CONCIERGE

This system helps schedule and provide services before departure/after arrival. So all services such as hotel bookings, taxis, restaurant bookings, etc. This system also takes data from the routing, and health system to arrange for fuel, food, other supplies for the flight with communication with the ground crew.

#### HEALTH

The health system takes into account the passengers health from various sources such as health apps, and data from passengers connected house to calculate sleep cycles, diet, lighting, cabin air pressure, routing data, takeoff/ arrival time. This system will help cut down on jet lag and let the user save time and remain healthy inspite off their hectic flying schedules.

#### MAIN CONTROL SYSTEM

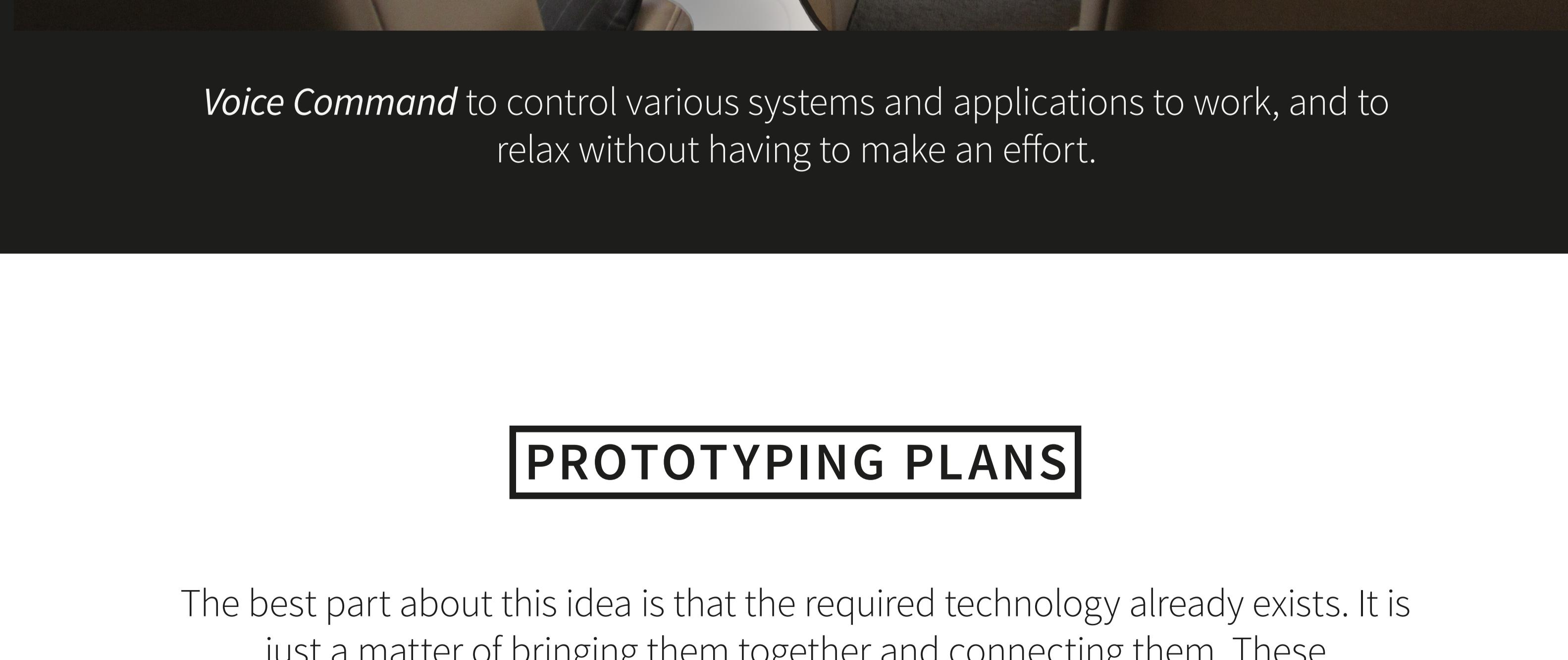
#### ROUTING

The routing system uses various parameters of weather, departure/ arrival times, calendar appointments, passenger health data to calculate the optimal route and takeoff/arrival times.

#### CABIN

The cabin system controls all aspects of the cabin with data from routing, health, and concierge systems. So lighting, seating preferences, etc can be set. It is also connected to the passengers personal devices such as their phones/watches. The passengers can customise the cabin space pre departure, and order for specific items with the concierge service.

### SCENARIOS



*Projection Mapping* on windows to help with routing, and show exact position of landmarks using the passengers parallax.

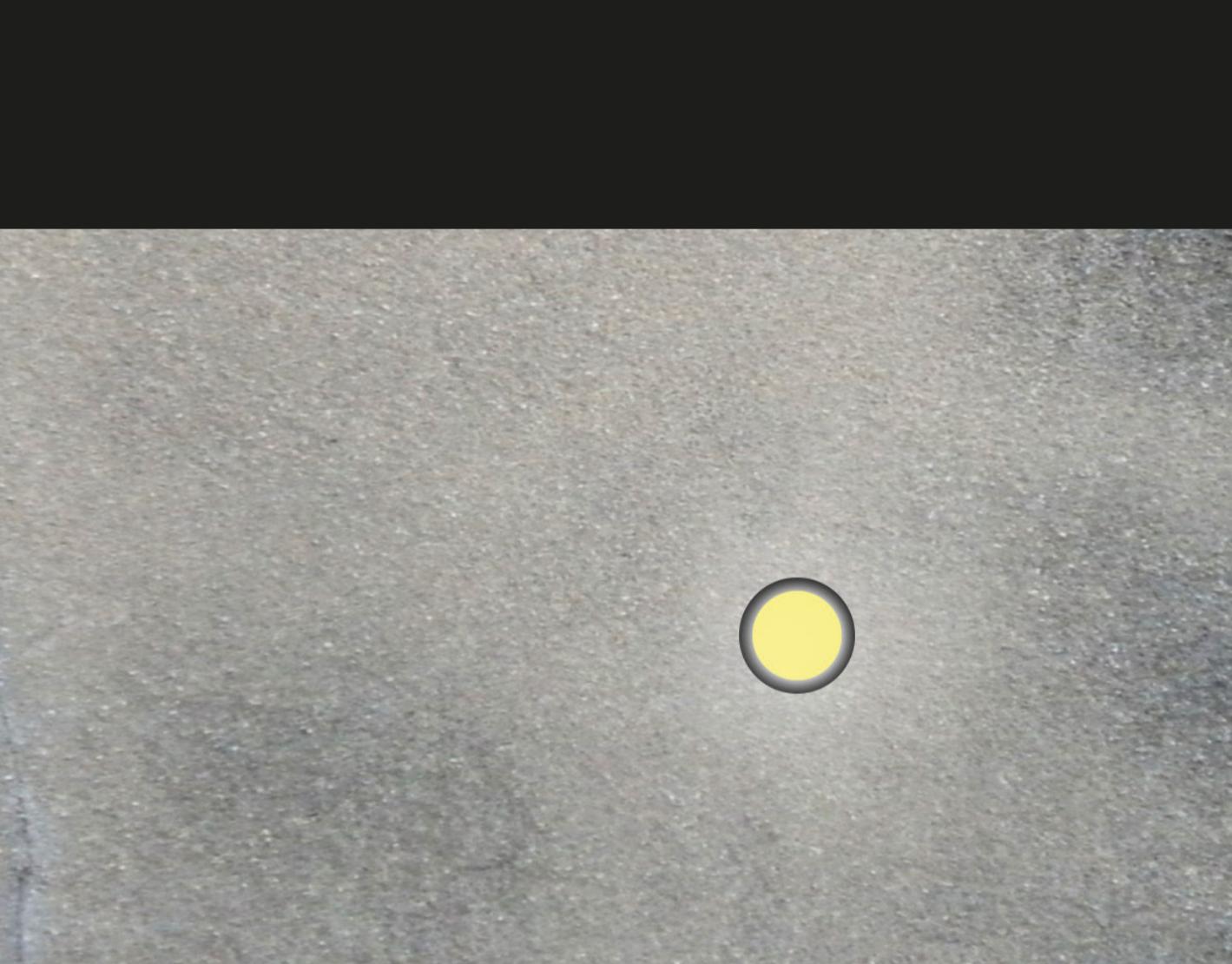


*Voice Command* to control various systems and applications to work, and to relax without having to make an effort.

### PROTOTYPING PLANS

The best part about this idea is that the required technology already exists. It is just a matter of bringing them together and connecting them. These technologies exist in our very hands. All that's needed is a common platform to bring them together and connect them to each other and the internet.

### PROJECT BY



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