

*Traveler*

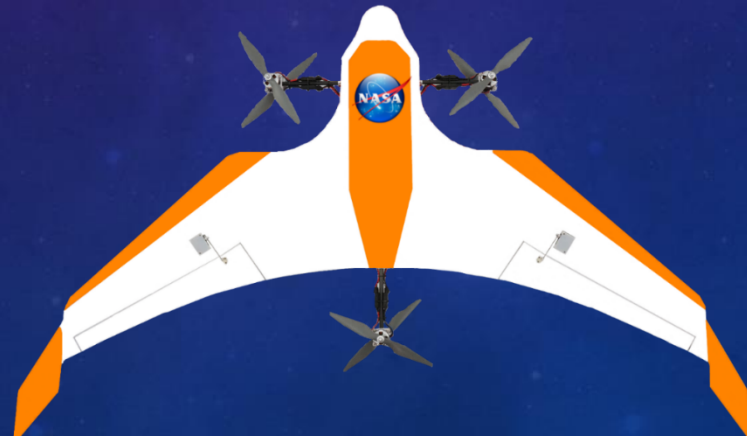
NASA

# NASA *Traveler* Test Program

*in collaboration with*

## Lancaster High School – LAMPE Academy

### TRUSTWORTHY, SAFE AUTONOMY



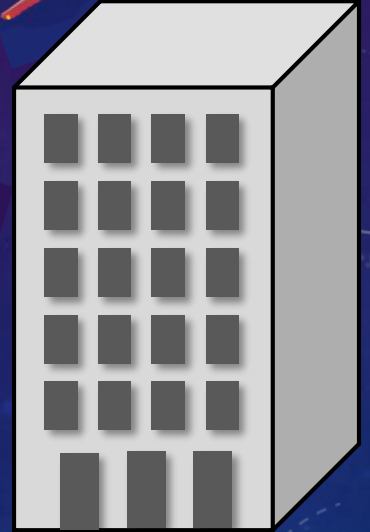
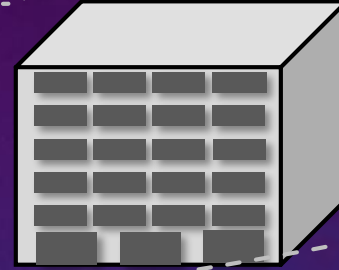
# AUTONOMY – THE CHALLENGE

What is that thing  
doing ??? !!!



Future Pilotless-Taxi  
.....and/or.....  
Autonomous small UAV,  
.....and/or ..... ????

Problem



How does society ensure future vehicles will not exhibit “bad” behavior ????



# EVAA

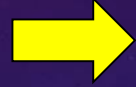
## Enhanced Variable-Autonomy Architecture



Virtual Fence/Keepouts



Terrain



Obstacles



EVAA



EVAA



People, Pets



Aircraft



Emergency Landing



# Slide for Lanc High School portion of presentation

## LIDAR-generated Image

XP-59A across the street  
from Edwards AFB HQ

