On-demand mobility ??

Bruce Landsberg – Senior Safety Advisor
Other Attempts – not so successful
Barriers

Cost & Complexity
“Even when I win - it only costs me $2,000,000!”

LIABILITY

25%
“Selling fewer – gotta raise the price ....”
Engineering Excitement

\[ V(\alpha - \frac{dy}{dx}) = w(\alpha - \frac{dy}{dx}) \left[ \frac{\int_{x'}^c \frac{\gamma(x')}{x-x'} dx'}{\frac{\gamma(x')}{x-x'}} \right] \]

\[ V(\alpha - \frac{du}{dx}) = w(\alpha - \frac{du}{dx}) \left[ \frac{\int_{x'}^c \frac{\gamma(x')}{x-x'} dx'}{\frac{\gamma(x')}{x-x'}} \right] \]

\[ x = \frac{c(1 - \cos(\theta))}{2} \]
New & Wonderful but.....
Reliable and available...
Lotta Parts
Many Fewer Parts
New Thinking....
3-D Printing ?
Low Volume - High Quality – Low Price?
Old - Really Old .....
Flies itself....
Smart autopilot – but cheap ( $200 each...)

Fails once every 1000 flights (maybe) so...

Put in three – for voting purposes....
Some Math....

.001 x .001 X .001

Is a *really* small number!!!!

.0000000001
Transition from Now to Future
Infrastructure - Airports
Pilots – Not so Many

Why?

Cost & Complexity
Limited Time
We need some *fast* answers

- Better ways to build existing aircraft
- New engines to retrofit
- Better safety – maintenance monitoring
- Easier to fly (UAS Tech)
Thank You !!!