Move Utah
ACTIVE, HEALTHY, CONNECTED COMMUNITIES

Self Driving & Flying Cars: What the Health?
Introduction

Source: Ewen Roberts, DeLorean
Drone Package Delivery

Minimize travel and wait time for blood sample results.

Patients in surgery pay by the minute when doctors are waiting for surgical toolkits. We can reduce those cost.

During emergency or disaster scenarios, damaged or blocked roads may prevent delivery of healthcare. Drones don’t need roads.

More than 500 courier car trips per day can be eliminated on one use case alone.
Aerial Ambulance
Most disruptive force in transportation today

Promise:

- Real time transit directions lead to big increases in transit use
- Less congestion from drivers rerouting
- Fewer cars with on-demand bikes, scooter & cars

Josh Channell, Transportation Planner, Parametrix
Most disruptive force in transportation today

Results so far:
- More congestion
- Reversal of safety trends
- Higher VMT
- Declining transit use
- Runaway GHG emissions

iPhone

ANNOUNCED: Jan. 9, 2007
RELEASED: June 29, 2007
KEY FEATURES:
- 3.5-inch diagonal screen;
- 320 x 480 pixels at 163 ppi;
- 2-megapixel camera
PRICE: 4GB model, $499;
- 8GB version, $599 (with a two-year contract)
Changes in vehicle technology
84 Million Trips on Shared Micromobility in 2018

Source: NACTO
Micro-Mobility Potential

INRIX: Shared Bikes and Scooters Could Replace Nearly 50 Percent of Downtown Vehicle Trips

New INRIX Research ranks the top U.S., U.K. and German cities where micromobility has the most potential
What’s Next for Micro-Mobility

Different formats of micro-mobility

- Safer, sit down and bulkier scooters
- Riders and passengers
- Heavier E-bikes and more cargo space
Automated Vehicle Shuttle Project

Project Goals:
- Explore capability as a first-mile / last-mile solution
- Understand operational characteristics / parameters
- Discuss autonomy with the public
- Understand “trust”

Driverless / Electric Shuttle Multiple Sites Around Utah Partnership with UTA

www.avshuttleutah.com
Connected Vehicle Technology

Project Goals:
- Improve transit schedule reliability
  - Achieved 6% improvement
- Demonstrate the technology
- Other uses: snow plow preemption (improve safety and efficiency)

Transit Signal Priority Partnership with UTA
Connected Vehicle Data Ecosystem

Project Goals:
- Technology will move us to Zero Fatalities
- Improve mobility with real-time, actionable data
- Support broad deployment of automated and connected vehicles

Leveraging Transportation Data Partnership with Panasonic

V2X: “X” includes pedestrians, bicyclists, etc.