



AV & Potential Pilots

Autonomous Vehicles Working Group

November 21, 2019

Agenda



1. Introductions/Agency Updates
2. Presentation: Automated Shuttle at The Parks at Walter Reed
Kevin Schlosser, President & Founder
DC Autonomous Vehicles Association (DC-AVA)
3. Discussion: 2020 AV Priorities
4. Q&A

Automated Shuttle at The Parks at Walter Reed

By DC Autonomous Vehicles Association

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Kevin Schlosser, President
Chris Roberts, Vice
President

Agenda

- Benefits of an autonomous shuttle
- Market landscape
- Successful program
- Planning considerations

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Why Autonomous

Alignment with principles
Safety
Equity
Efficiency
Sustainability

Pride
Empowerment
Branding
Technology
Environment





Model	EZ10
Capacity	15
Max speed	15 mph
Fuel	Electric
Battery Life	16 hours
Charging	6 hours
ADA Capabilities	Built-in automated electric access ramp
Weather Conditions	Heavy rain, snow, fog, -5F to 115F





Model	Olli
Capacity	8
Max speed	25 mph
Fuel	Electric
Battery Life	30 miles
Charging	4 hours
ADA Capabilities	Built-in automated electric access ramp
Weather Conditions	N/A





Model	GEM e6 (TONY)
Capacity	5 passengers (+1 safety driver)
Max speed	25 mph
Fuel	Electric
Battery Life	30 miles
Charging	4 hours
ADA Capabilities	Not at this time
Weather Conditions	Moderate rain, no snow or ice conditions, -16F to 110F





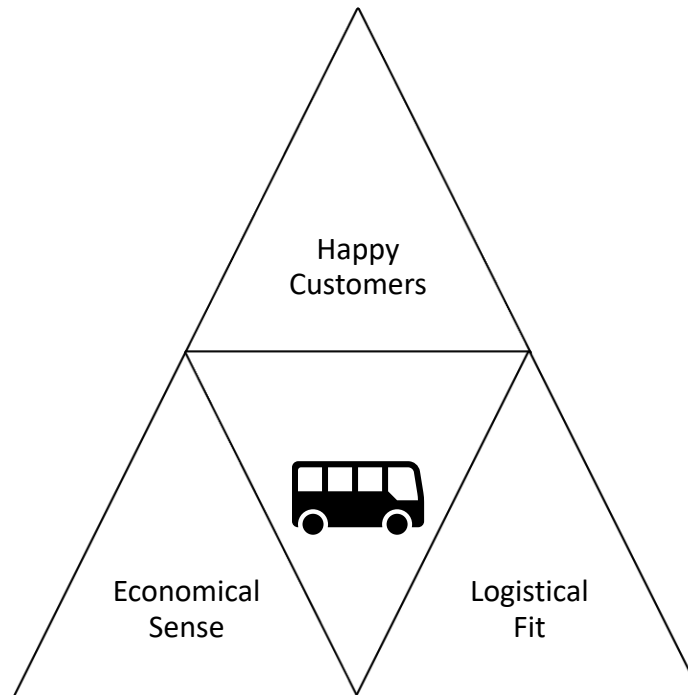
Model	Autonom
Capacity	15 passengers (11 seated, 4 standing)
Max speed	15 mph
Fuel	Electric
Battery Life	9 hours
Charging	4-8 hours
ADA Capabilities	Manual ramp (automatic ramp optional)
Weather Conditions	14F to 104F



Additional Potential Partners



Successful Program



Customer Considerations

- Clearly define customer demographics and needs
- Passenger volume
- Service time & peak hours
- Number of circuits
- Comfort & seating
- Seasonality effects of passenger volume
- School & other parts of Walter Reed

Financial Considerations

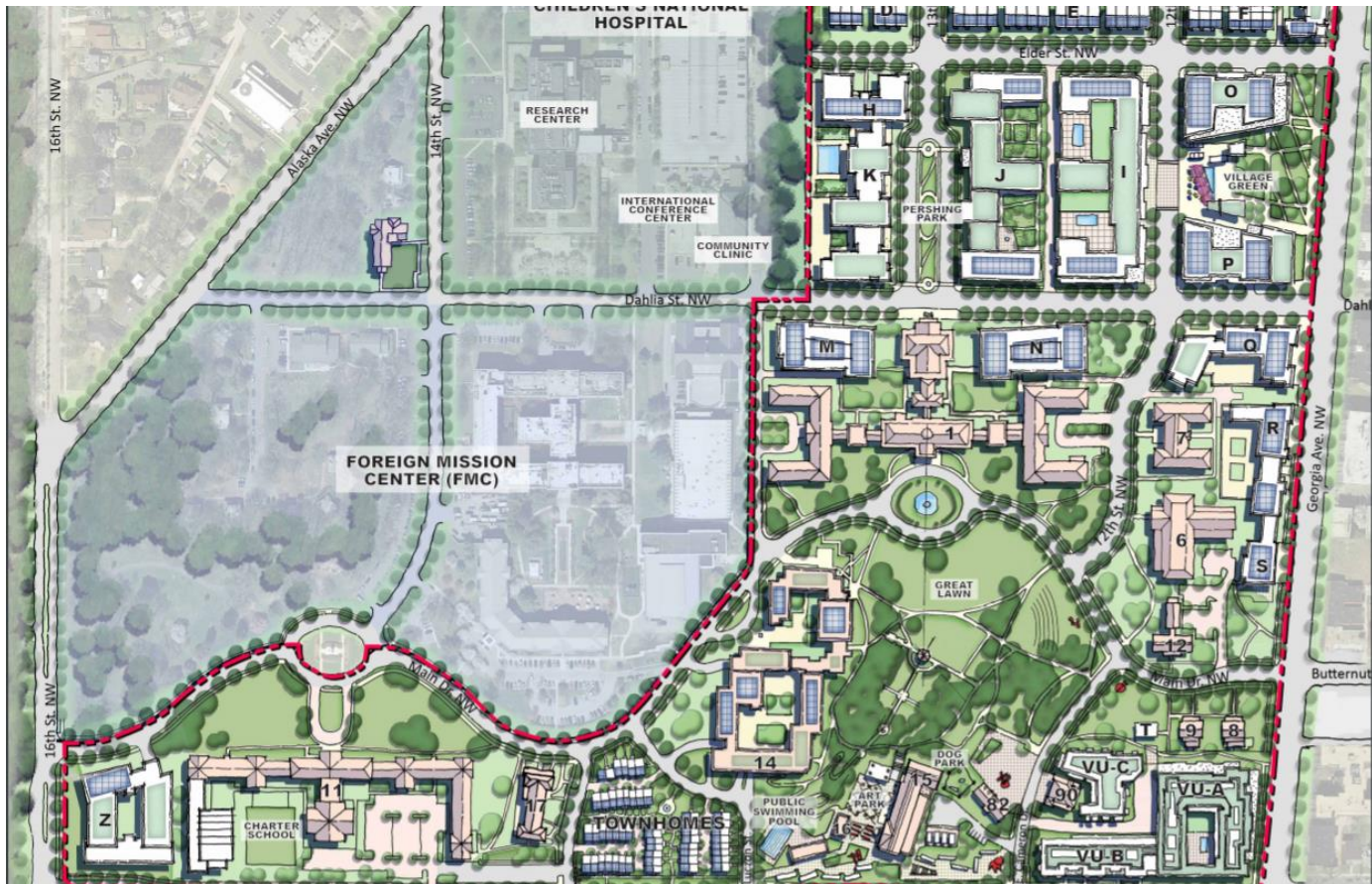
- Principal funding sources
- How long is the program expected to last
- Budget commitment
- Safety operator
- Insurance needs & who will be responsible for procuring insurance

Logistical Considerations

- Clearly define the route & pickup points
- Potential operation on public streets
- Covered and secured storage space
- Charging or refueling points
- Maintenance & service contract
- Slope & speed
- Volume and complexity of traffic
- Weather and temperature capabilities

Conclusion

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FRONTIERX

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Autonomous Vehicles on the Hill: How Policy Can Drive the Future of Mobility

December 3rd 2019 5:30 pm
601 Pennsylvania Avenue NW, Suite 740 South, DC
Hosted by the Volkswagen Credit Inc. Innovation Lab & DC-AVA



2020 AV PRIORITIES

Agenda



Questions/Discussion