

All Hail: Cincinnati

A location-based on-demand public transit system

Vehicle Type	Power Plant	Allocation Sys	Demand System	Adaptive Analytics
Bicycle	human	Purchased Smart-card	Digital swipe/mobile	Mobile beacon/GPS
4 passenger/sedan	Electric/battery	Licensed Livery	Digital swipe/mobile	Mobile Ap/ <ul style="list-style-type: none"> ○ Hailing ○ Allocation, ○ Routing, ○ Payment ○ Adaptive logistics
10 passenger van	Electric/battery	Licensed Livery	Digital swipe/mobile	Mobile and Web-based groups, tourism, Handicapped, special needs
30-passenger bus	Electric/battery –LPG hybrid	Licensed Private contractors	Route specific digital swipe	Schedule routes, schools, workplace commuted, etc

Fares +

- Transit advertising
- License fees from private operators on bid or medallion basis
- Fare regulation
- Charter fees from hotels, sports teams, arenas, theaters, shopping malls, etc.

Technology Leverage

- Clean energy
- Mobile app and/or smart cards for consumers (digital cellular)
- Cloud-based computing
- Analytics in real time for rapid adjustment to demand conditions, weather, events, re-routing for road maintenance, reallocation of equipment,
- Responsive to passenger/commuter profiles
- Enhanced security for operators, passengers, equipment.
- Uniform safety and operator standards
- Flexible allocation enables municipality to assure business community of reliable, safe, comparatively low-cost commutation for consumers, workforce, and community.
- Data analytics matches location requirements and demand levels for airports, railway stations, stadiums, arenas, commercial districts,

Social-Eco-System benefits

- Clean energy, lower pollution, faster traffic management
- Better maintenance, breakdown analysis, smarter fleet purchasing, flexible re-allocation of vehicles match to route history, profiles, performance metrics.
- Higher efficiency, lower cost-per-passenger mile

First Mover Advantages

- Possible funding assistance for piloting system development on behalf of state or similar cities,
- Possible credits for impact on fuel savings and carbon footprint
- Competitive bidding by manufacturers for development and collaboration.
- Bragging rights: All Hail: Anytown USA or Globe licensed by Cincinnati.

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- Performance metrics could lead to insights ranging from traffic management to urban and suburban planning
- Impacts on integration of multiple transit platforms including airports, seaports, trucking, containerized freight, package delivery, etc.
- Insight to “electric grid” management for transit (efficiency, demand distribution, fail-safe considerations, use of solar, wind, battery storage, etc.)