Role of Sharing in LEV Adoption

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Why Didn’t Segways Take off?

Where do we see Segways now?
Some Examples

Intrago – A shared LEV concept
Some Examples

cycleUshare—the USA’s first Electric bike sharing system

- E-bikes eliminate a few of the barriers to bicycling
- E-bikes can be shared, because their batteries can be easily removed
- E-bikes can introduce riders to EV technology
- Research project first, then business planning and commercialization
Electric Bike Sharing at UT

Station I: Launched September 1, 2011
Electric Bike Sharing at UT
Electric Bike Sharing at UT

Second Station Will be on Ag-campus

- Solar Powered
- Building a Network
Electric Bike Sharing at UT

Project Goals

1. Research
   • Technical Feasibility
     • Can we do it, how?
   • Economic Feasibility
     • How much does it cost, who’s paying
   • Transportation Behavior
     • How do people use it, what benefits does it provide?

2. Education
   • Make EV’s accessible…tangible “green” transport

3. Service
   • Help students/faculty/staff get around
Can sharing help LEVs

LEVs are very utilitarian for most trips

1. Most don’t own an LEV
2. Those that do don’t have them on-hand
3. LEVs have high capital and low marginal cost
   Large barrier to purchase
4. Sharing could be a way to introduce more LEVs into transport system
Thanks

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