



PRT will impact
climate change.

6 Facts You Need to Know



Transportation is the
fastest-growing source of
U.S. greenhouse gas emissions.

U.S. Environmental Protection Agency

*Imagine a transportation
system that:*

- Uses one-third the energy of conventional transport systems
- Runs off electricity
- Has a lightweight infrastructure
- Reduces the need for parking
- Is 100 times safer than conventional transit
- Can attract up to a 30% mode share
- Saves money

That system is Personal Rapid Transit (PRT)
— a sustainable system of driverless taxicabs
that automatically take passengers to their
destinations along dedicated guideways
without intermediate stops.

*Flexible, economical, safe. . .
PRT is a better way
to move people.*

*Improving Transportation
through Innovative Engineering*



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According to the U.S. Environmental Protection Agency, transportation accounted for 47% of the net increase in total U.S. emissions since 1990. Other statistics are equally alarming.

In the U.S. alone, transportation:

- Contributes 34% of greenhouse gases
- Uses more oil than all other uses combined
- Results in congestion that wastes gas and further contributes to pollution
- Devours real estate
- Kills over 40,000 people annually

Until we change the way we think about moving people, these problems will only get worse.



PRT uses less energy

- Energy use is about one-third of buses
 - ▷ non-stop travel
 - ▷ relatively low wind resistance
 - ▷ relatively low empty vehicle movement

PRT produces less emissions

- Electric vehicles have no point-of-use emissions
- Low energy use results in low overall emissions

PRT produces less noise

- Electric power
- Light weight
- Rubber tires

PRT uses less resources

- Lightweight infrastructure
 - ▷ Uses less materials
 - ▷ Costs less to build and operate
 - ▷ Less disruptive to install
- Reduced parking needs

PRT is safe

- No traffic crossings—only merges and diverges
- Lower maximum speed for higher average speed

PRT is flexible

- Tight turns, steep grades
- Easily retrofitted
- Can operate inside buildings

BAA chose PRT for Heathrow because of its sustainability and passenger service advantages. The initial Heathrow PRT system is up and running. Passenger service is set to commence in late 2009. The system is slated for expansion to 350 vehicles and 30 miles of guideway carrying 30 million annual passengers.

The carbon- and automobile-free city of Masdar under construction in the UAE is relying on a 100-station, 2,000 T-Pod PRT system for internal transportation.

Find out how to get into PRT.

Visit prtconsulting.com,
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