



How to get into PRT: **7 Things Owners Must Know**

The effect of the Morgantown project on Congress was to cause them to lose interest in the PRT concept, holding back development for 15 years.

J. Edward Anderson, Ph.D., P.E.

Imagine a transportation system that:

- ▶ Reduces walking and the need for handicap assistance
- ▶ Provides non-stop, seated travel
- ▶ Requires less waiting
- ▶ Reduces trip times
- ▶ Simplifies way finding
- ▶ Improves security over other forms of transportation
- ▶ Eliminates crowded vehicles or stations for terrorists to target
- ▶ Improves safety over other forms of transportation
- ▶ Has a small infrastructure
 - ▷ Minimum construction disruption
 - ▷ Short construction times
- ▶ Has low energy consumption and no point-of-use emissions
- ▶ Can attract up to a 30% mode share
- ▶ Is 99.7% reliable
- ▶ Costs less

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*



1340 Deerpath Trail · Suite 200
Franktown CO 80116-9459

PHONE 303.532.1855

FAX 303.309.1913

WEB www.prtconsulting.com

TWITTER PRTGuru

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PRT projects have been plagued with problems for 40 years.



Historical PRT projects have suffered from:

- Poorly managed public participation
- Misunderstood core concepts
- Ballooning T-Pod size and weight
- Unrealistic expectations

Success depends on changing the way we manage PRT projects.

1. Public concerns/participation

- How to build community support from the beginning
- Social acceptability

2. Costs vs. Benefits

- Capital costs
- Operating costs
- Quantifiable benefits
- Intangible benefits

3. Capacity

- Station capacity
- Guideway capacity
- Network capacity

4. Weather impacts/mitigation

- Sun – heat load on T-Pods
- Wind – safe operating wind speed
- Rain – mitigation and procedures
- Snow – mitigation and procedures
- Ice – mitigation and procedures

5. Scalability

- Assurance that the initial system will scale up to the ultimate system
- Simulation modeling and (most importantly) verification

6. Funding/financing

- Sources of outside funds
- Methods of financing

7. Vendor capabilities

- Managerial
- Financial
- Technical
- Production
- Installation
- Operating
- Maintenance

Find out how to get into PRT.

Visit prtconsulting.com,
or contact Peter Muller at

303-532-1855