

PERSONAL RAPID TRANSIT (PRT):

Phase II Study

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(Continued from Phase I project summary sheet)

Phase II involved system engineering and prototype development and testing. VleCIDES-Schroeder Associates, Inc. (VSA) teamed with Raytheon to identify applicable codes and standards and develop guidance for system certification. Additional Phase II responsibilities of the firm included:

- Developing a full-scale mock-up station for international exhibit purposes. The station mock-up was also used for pedestrian circulation and human factors analysis. Further, it introduced a concept for an automated fare collection that was fully integrated with the systems of all carriers in the RTA region
- Providing industrial design support for development of the PRT vehicle; selecting paint colors and interior finishes
- Developing finishes and color schemes for the guideway to assure that it would be attractive and unobtrusive
- Performing alternative alignment studies for system deployment in Rosemont, Illinois
- Refining designs and developing outline specifications for seven stations and the maintenance/control facility



Full-scale track structure for testing and display



PRT vehicle prototype being tested



Full-scale exhibits of the PRT vehicles, stations, and fare collection kiosks

Project Completed: 1998

Client: Raytheon and the Regional Transportation Authority (RTA)