

SkyTran is a breakthrough 21st century personal mobility technology that will bring rapid transformational change to the world economic order.

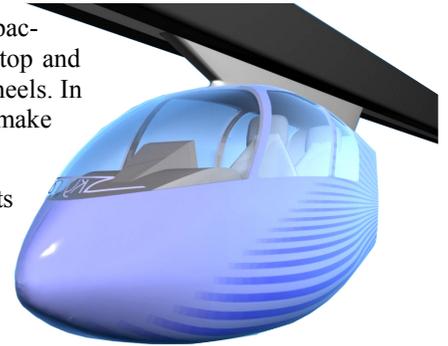
SkyTran is a solar-powered high-speed personal rapid transit (PRT) system that will eliminate urban congestion, substantially reduce greenhouse gas emissions and promote energy independence. At a global level, SkyTran is a ubiquitous physical Internet: An automated, packet-switched guideway network that moves people and goods around the planet with the ease of e-mail.



UniModal Systems, LLC in Irvine, California USA is the developer of SkyTran. The company currently has a 4-year U.S. Dept. of Transportation grant at the University of Montana, collaborations with the University of California at Irvine and is working with NASA's National Center for Advanced Manufacturing to develop system components. Prototypes of each key system component have been built and successfully tested. A complete full-scale demonstration system will be deployed in 2008.

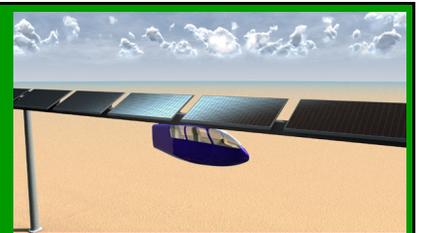
SkyTran's unique design combines the privacy and convenience of an automobile with the capacity of mass transit. The aerodynamic personal monorail vehicles carry 1-2 passengers non-stop and point to point on an electric powered guideway network that uses passive maglev instead of wheels. In this form of on-demand personal mobility, you never wait for a vehicle and the only stop you make is at your destination. This is a revolutionary advance beyond conventional transit capabilities.

The system is affordable (<\$US 7 million/unidirectional kilometer) because it is small and its modular components (composite guideway, composite vehicles, steel utility poles, and portals) are mass-produced in factories and assembled on-site. The system is so lightweight it can be suspended on steel poles about the size needed to support a traffic light. This low impact design approach results in a small system footprint that can be networked through dense urban areas on easements less than the width of a sidewalk.



SkyTran can run at low speeds in airports and business districts and hi-speeds between cities (up to 240 kmph). A single guideway with 160 kmph vehicle speeds can carry as many people per hour as a three-lane freeway. SkyTran gets the equivalent of over 322 kilometers per gallon of gas by way of a compact, frictionless, no-contact "passive maglev" suspension and a high performance linear synchronous motor.

Passive maglev, lightweight modular design, and extreme energy efficiency makes SkyTran the ultimate "green" surface transportation system and the only one that can be 100% solar powered.



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