

# Traffic and Energy Dilemma Resolved by the Sun

By Frank Randak

**Imagine traveling in your car to Palm Springs in an hour, and during that time, working on the Internet or watching TV. In a few short years, this can be achieved by means of the automated Advanced Vehicle Transport, (AVT) - a solar-powered solution for our freeway traffic and energy problems. And it's very profitable – no new taxes or subsidies are required.**

Utilizing existing technologies, AVT energy efficient trains transport you and your car in private compartments that have air conditioning, restrooms, refreshments, Internet and entertainment centers. Designed by a talented team of engineers with experience in aerospace technology, transportation and computer systems, the AVT provides fast, safe, quiet, private, solar powered transportation for vehicles and their passengers at a far lower cost than driving.

By automatically loading cars onto trains while they are moving, a

maneuver that is safer than merging into freeway traffic, the patented AVT Shuttle system solves both the freeway traffic and energy problem.

The AVT runs on 100% solar power, with on-board gas turbine generators for backup, eliminating the need for a third rail power system. The AVT runs on solar power, even on cloudy days, while charging its batteries for nighttime operation.

Engineers at Boeing evaluated the AVT technology, concluded that the concept is sound and recommended full scale testing.

Developed over the past 20 years, a 16-foot working prototype debuted in a seminar at Cal Lutheran University in 2001. Since then, the AVT has been seen on CBS News and presented to transportation experts and agencies in Washington DC, Canada, Switzerland, Oxford, the World Future Society, Engineers at Boeing and most recently in Beijing, China.

Transportation agencies at all levels of government are interested

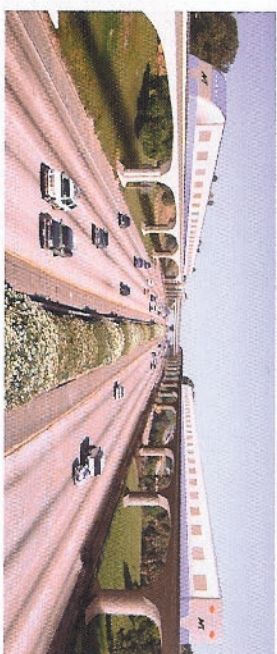
in the AVT, calling it a promising solution, and eager to experience a full size demonstration. Worldwide, transportation officials are looking for ways to reduce oil consumption and they feel that the AVT will make a significant contribution.

To that end, the AVT design is completed and engineering is in progress. A full size AVT solar powered Proof of Concept System is only 18 months away and will cost about 3-4 million dollars. The AVT Proof of Concept System will be a spectacular demonstration that will attract visitors from all over the world.

In only 2

years after funding, transportation officials who experience the reality of the AVT will request designs and proposals for AVT Systems. This will mark the birth of a new multi-billion dollar industry.

The AVT is a proud example of California's Motto: "EUREKA!" – I have found it!



From top: AVT trains running continuously; A car boarding the moving train