

## ORION Peplemover

This is a new 75-ft. tractor-trailer vehicle for use in shuttle service at airports, at amusement parks, as a tour bus, or regular transit vehicle.

## URBAN RAIL

### ALRT

Designed and developed by UTDC, the Advanced Light Rapid Transit System is now in full revenue service in Vancouver. A small people mover version is currently under construction in Detroit, and a system links the end of the Toronto subway with Scarborough Town Center.

In creating the system, UTDC became the first transit systems manufacturer in the world to integrate linear induction motor propulsion, steerable axle trucks, elevated guideways, automated train control, and lightweight car bodies into a revenue transit system.

A system which permits smaller stations with its shorter headways and 3-4 car trains has minimized visual obtrusion and virtually eliminated what many would consider to be noise pollution of any competing system.

Moreover, despite the fact that it is a much smaller

system than a subway' it is capable of carrying virtually up to 30,000 vs the 40,000 passengers per hour of a subway.

In its first year of operation after Expo 86, it is predicted that the 22-km Vancouver SkyTrain will account for some ... rides. During rush hours, the figure of 20,000 passengers per hour per direction is only limited by its total of 114 vehicles.

### LIGHT RAIL

For the first time, a Canadian light rail vehicle will operate on the streets of a European city. The modern 6-axle articulated street car, designed and built by UTDC will operate in a number of Northern England cities on a six month demonstration program in Fall, 1986.

This demonstration is the direct result of an agreement by UTDC licensing British Rail Engineering Ltd. (BREL) to manufacture and market this light rail vehicle throughout most of Europe and is some parts of Africa. The 88-ft. (26.8 metres) streetcar is the same vehicle design purchased by Santa Clara County.

Cooperation on a Mexican transit project has led to a licence agreement between Mexican and Canadian transit manufacturers. Namely UTDC and Motores 1Y Adaptaciones Automotrices (MOYADA) of Mexico City.

### PRINCIPAL FEATURES OF ALRT VANCOUVER

<b>Length:</b>	22 km - 13 km elevated 7 km at-grade 2 km underground double track	This has eliminated some 36 street crossings with traffic lights, etc.
<b>Stations:</b>	15 - 9 elevated 2 at-grade 4 underground	This prevents any disruption to flow of existing traffic at street level resulting in maximum, smooth operation.
<b>Vehicles:</b>	114 cars, 41-ft. long, supplied by Venturtrans, Kingston, Ontario, with a capacity of 90 passengers (40 seated). Operated in married pairs in 2, 4 or 6 car trains.	
<b>Operations:</b>	Seltrac Train Control. Planned minimum headway 1.75 minutes and schedule speed 72 km/hr. Passenger capacity, initially 10,000 passengers per peak hour direction. Passenger capacity-design, 21,600 per peak hour direction. This moving block system can permit the addition of trains to a point where 30-second headways are achieved - a theoretical limit which would provide capacity equal to any subway system.	