

AERIAL TRAMWAY CIRCULATORS FOR PUBLIC TRANSPORT



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RGConsultants

CITIES WITH AERIAL TRAMWAY CIRCULATORS UNDER STUDY

- OAKLAND, CA – City of Oakland / B.A.R.T.
- PHILADELPHIA, PA – 2 Cities / D.R.P.A.
- FREDERICKSBURG, VA – City of Fredericksburg
- BALTIMORE, MD – Maryland Port Authority
- OGDEN, UT – City of Ogden and U.D.O.T.
- TOWNSEND, TN – Cades Cove Conservancy
- VAIL, CO – City of Vail
- KEYSTONE, CO – City of Keystone
- CLEARWATER, FL – City of Clearwater Beach
- DULUTH, MN – City of Duluth
- ASPEN, CO – City of Aspen / C.D.O.T.

AERIAL TRAMWAY PEOPLE MOVERS IN SERVICE

- NEW YORK CITY – Subway feeder system
- TELLURIDE, CO – Community connector
- GREAT GORGE, NJ – Hotels to Resort connector
- GATLINBURG, TN – Remote Parking access
- S. LAKE TAHOE, CA – Hotels to Resort connector
- MAMMOTH, CA – Hotels to Resort connector
- PARK CITY, UT – Remote Parking access
- DEER VALLEY, UT – Community connector
- KELLOG, ID – Hotels to Resort connector

UNDER CONSTRUCTION

- PORTLAND, OR – University to Hospitals connector
- VANOISE, FR – Resort to Resort connector
- MEDELLIN, CO – City Center to Rail Station connector
- HONG KONG – Airport, Community, Resort connector

SAFETY AND RELIABILITY

- STRINGENT SAFETY REGULATIONS UNDER U.S. GOVERNMENT ANSI – B77 CODE.
- SAFETY RECORD THAT EXCEEDS ALL OTHER FORMS OF PUBLIC TRANSIT INCLUDING AIRLINES, RAIL, PEOPLE MOVERS, BUSES, FERRIES, ETC.
- GREATER SAFETY DUE TO SEPARATION FROM TRAFFIC, ROADWAYS AND PEDESTRIANS PROVIDED BY AN EXCLUSIVE AIR RIGHT-OF-WAY.
- OPERATIONAL RELIABILITY AND SYSTEM AVAILABILITY THAT EXCEEDS 99.7%.



PASSENGER CARRYING CAPABILITIES

- OVER 1,000 AERIAL TRAMWAY AND GONDOLA SYSTEMS ARE OPERATING WORLDWIDE.
- THESE SYSTEMS ARE TRANSPORTING OVER 10 MILLION PASSENGERS PER DAY.
- INDIVIDUAL SYSTEM CAPACITIES CAN BE DESIGNED FOR UP TO 8,000 PASSENGERS PER HOUR PER DIRECTION FOR MASS TRANSIT.
- SYSTEMS ARE EASILY USED BY ALL AGE GROUPS AND ARE FULLY A.D.A. COMPLIANT FOR WHEELCHAIRS.
- HEADWAYS, AT 15 TO 30 SECONDS, ARE VERY CONVENIENT FOR PASSENGERS – NO WAITING.



TWO CASE STUDIES

- NEW YORK CITY

ROOSEVELT ISLAND OPERATING CORP,
STATE OF NEW YORK

- TELLURIDE, CO

MOUNTAIN VILLAGE METRO DISTRICT

NEW YORK CITY

“AHEAD OF ITS TIME”

- The Roosevelt Island Tramway was constructed in 1976 to connect to the New York Transit Authority subway system; in operation for 28 years.
- Publicly owned and operated by New York State, Roosevelt Island Operating Corp.
- Ridership is 1.2 million passengers per year, with total ridership at 30 million passengers.
- System is $\frac{3}{4}$ mile in length and connects a shuttle bus station with the NY subway.



TELLURIDE, COLORADO

“A PUBLIC / PRIVATE TRANSIT SYSTEM”

- The Gondola Tramway was constructed in 1995 to connect the Town of Telluride with the Mountain Village community and commercial areas.
- Publicly owned and operated by the Mountain Village Metro District.
- Ridership is 1 million passengers per year, with total ridership at 8 million passengers.
- System is 3 miles in length and connects residential / hotel / retail district with the Town’s shuttle bus station.



AERIAL TRAMWAY – STATIONS



AERIAL TRAMWAY – PASSENGER CABINS



AERIAL TRAMWAY – BOARDING PLATFORMS



AERIAL TRAMWAY – PASSENGER LOADING



AERIAL TRAMWAYS - IN OPERATION



BENEFITS OF AERIAL TRAMWAY CIRCULATORS

- **COST EFFECTIVE** – 20% to 25% of the capital cost of Elevated People Movers and Light Rail for same passenger carrying capacities; with less ongoing maintenance cost.
- **RIGHT-OF-WAY** – Tramways operate in an exclusive air right-of-way; no interference with pedestrians, roadways, or traffic. Safer than surface transport modes.
- **CONSTRUCTION** - Shortest construction time of all types of people movers – systems engineered and constructed in 9 to 15 months.
- **LOW IMPACT** - Minimum disruption to neighborhoods, businesses and traffic during construction. Tramways do not form physical barriers between neighborhoods.
- **ENVIRONMENTAL** – No air or noise pollution; minimal visual impact; minimal ground disturbance.
- **RIDERSHIP** – Tramways offer scenic views away from traffic congestion – ridership is high because commuters, families and visitors enjoy the ride.
- **FINANCIAL** – Lower cost and higher ridership of Aerial Tramways allows for lower government subsidization, and in some cases, profitable or breakeven operation.