

SKY
TRAIN

Universal Transit Solutions!





OUR CONTRIBUTION

Sky Train Corporations (STC) robust Overhead-Suspended Light Rail (OSLR) system fits admirably into the scheme of most transit projects. Overhead-suspension brings benefits that existing or light rail technology cannot offer whether elevated at grade, or underground. These innovations represent the first major change in rearranged light-rail technology in 50 years. Operating cost savings due to automation are 40%, with energy reclamation of 40% to 70%. Construction cost is also reduced by automation. Our system will rule future transportation for both high-speed, security, and Smart Growth. The service for passengers, combined freight and containers to intermodal destinations is greatly improved.

We have been asked to build a "Ride-able Interactive Energy System" at a science museum. Information at: <http://home1.gte.net/stco/usgte.htm> Florida's budget has \$2,000,000 waiting for matching funding, see movies at: www.stpt.usf.edu/brownbag/09-08-06-growth.asp showing our presentation and computerized model in operation at [Fox 13 TV movie clip](#).

Sky Train Corporation is a premier developer and technologist of rail and monorail systems, offering to operate; with listed and other partners in joint ventures or Public/Private partnerships. STC engineers have experience in container handling (design, build, operate) and in manufacturing of automation equipment. We have devoted some 20-man years to our innovations. STC concepts use standard off the shelf components from modern light rail, improving performance, allowing utilization of existing trained rail personnel workforces.

Simply, we re-engineer into an overhead-suspended system that incorporates solutions to [natures and mans extremes](#). Sky Train offers full transportation capacity from single vehicles up to full subway. We provide the next level of solutions for most railroad and monorail needs.

OUR MISSION

Sky Train Corporation funded in part by Florida's Technological Research Development Authority (TRDA). We are presently designing with NASA and have proposed a planetary system. STC products, peer reviewed by the National Science Foundation has gained international recognition. We are a private company with 23 stockholders. Our Patent protection with 63 claims covers three advanced systems protecting our concepts; also an additional three patents are pending.

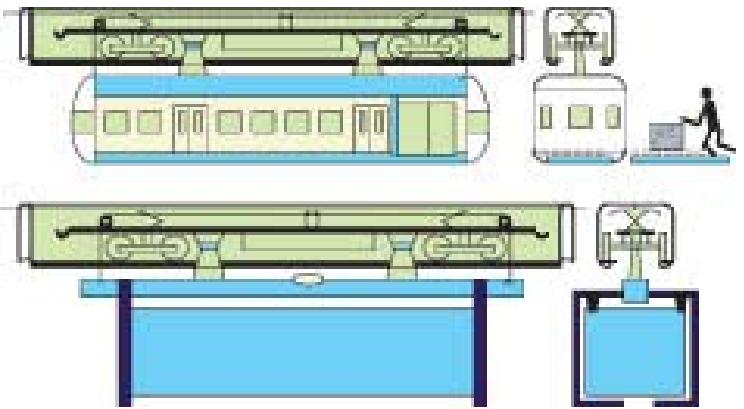
This is a best fit for Smart Growth, offering enhancing technologies. We focus on conservation and efficiency, and embrace sound growth principles. This alternative transit mode helps control sprawl, improves economic competitiveness, mitigates pollution and fits the 21st Century model to revitalize our cities. It will allow connecting with low ridership rural communities.

In short - Sky Train provides a new format of versatile Overhead Light Rail System, with increased passenger comfort, efficiency, high average speeds, and automated freight loading for added revenue. STC structures use about 4% of the ground space with semi-automated offsite manufacturing; they are erected quickly with minimum disruption and relocation of utilities.

OVERHEAD-SUSPENDED LIGHT RAIL (OSLR)

Combination car adapted for automated container handling at right

Major development in freight container movement - the grapple is substituted for the car shown above



REWARDS AND BENEFITS

The Sky Train System:

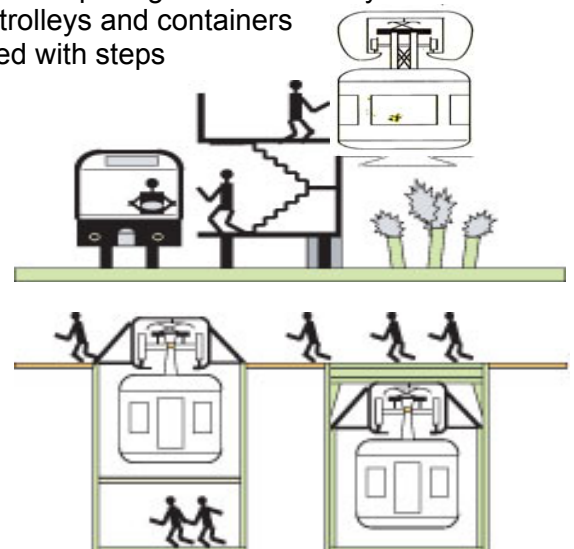
- Descends to ground level if necessary
- Safety: Vehicles are locked in the supporting structure
- "Double Super-elevation" gives high speed to vehicles, reducing size of fleet, gaining superior service
- Swings on curves for passenger comfort allowing greater speeds
- Providing bottom and side access gains safer passenger and freight interchange
- Operates above congestion insuring scheduling and fast-unimpeded service
- Designed to continue operating in high winds and flooding
- Suspended, passes above all traffic and land uses, allows low stations which reduces costs
- High speed, high capacity transit service, no imposed speed limits
- Can climb twice the rate of the maximum suggested for highways to (13 degrees)
- Uses standard light rail components, performance-tested in existing services
- Preferred, electric operation ensures good air quality
- Components mostly standard off the shelf; results in low cost due to competitive bidding
- One Sky Train OSLR track transports the equivalent of nine automobile lanes
- Sky Train uses 80% less power than rubber-tired systems that most monorails use
- Can be totally automated, lowering cost, using railway or elevator control systems
- Can also be designed for heavy container freight or lighter airports and theme parks

About Sky Train Car Designs:

- Cars can be 10ft (3.0m) wide, 40ft to 80ft (12.2m to 24.3m) long for high capacity and comfort
- Single cars up to full-length trains offer transportation capacities equaling modern subways
- Wide-door level access for handicapped, bicycles, baggage trolleys and containers
- Level access-offers double passenger loading rates compared with steps
- Cars and stations can be air conditioned for comfort

About Intermodal Stations:

Platform levels at any height
Safety net protects anyone falling from Sky Train platform
An architect's dream; an economical suspended mode, helping dot the "I" in intermodal
For Malls, Airports, Parks using Corridors, Cuts or Tunnels



LONG TERM EFFECT

- Creates a new "icon" for the system location
- Enhances the shopping transportation image
- Attracts investor money and commerce
- Convenient and fast relaxed transit; more time for businesses and tourists
- Increasing economic Smart Growth and Transit Oriented Development (TOD)
- Transit can reduce parking requirements, especially for employees
- Coordinates best with improved land use planning and rearranged bus service

SKY TRAIN CORPORATION, SYSTEM DETAIL:

STC100 has been successfully peer reviewed and included on prestigious short lists of solutions, the STC150 with slight revision can handle the movement of freight even containers, while the STC300 designed for low cost structure and high efficiency is a solution for low ridership locations. We as technical consultants provide custom solutions for each client; creating partnerships, developing OSLR service. Specifically we define routes, capacity, sizes and speed, station locations, and perform design of transferable tooling, team, and vendor selection.

Sky Train favors elevated systems that are mass-produced serving the international market. We can design to carry automated containerized freight as a revenue bonus. We own tooling to start the next job, movable to the next qualified existing manufacturing partner.

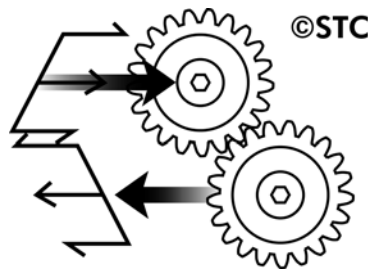
Sky Train's suspended designs, allow the elimination of many devices such as: rubber tired stabilizing wheel sets, energy intensive steering systems, and complex tilt mechanisms. We are designing to use renewable energy, eliminate power lines at 1/2 to 2 million per mile; resulting in smaller sub-stations and reduced mechanical complexity - all reduce weight and cost.

This suspended design gives passengers closer proximity to the ground by:

- Directing the rider's viewing out and downward to enhance: security, retail sales, and fits within the Smart Growth and Livable Community model.

Our main features exploit the mechanical ability to:

- Utilize Air Rights over community right of way on roads, rivers, tollroads or railroads.



©STC - Our Icon at left depicts batteries or capacitor flash charging units, using a computerized buss that monitors vehicle functions; exchanging kinetic and potential energy, constantly monitoring safety for every start/stop cycle. Examples: Tesla Motors, GE, Siemens, Honda, Mitsubishi and others. STC, is the first patented duo-rail system with major enhancements in the suspended mode.

Energy Savings are of model STC100 to 40%; STC200 & STC300 of 40% to 70%. STC300 is designed to reduce structure cost up to 40%, which is 60% to 80% of overall cost.

STC's elevated structure reduces passenger transfer distance, utility relocation costs, traffic impact, length of construction time, eliminates corridors and drainage dividing communities and land use. The designs also protect against lightning strikes, houses fiber optics, CCTV, other conduits, and street light installations. The structure reduces impact of terrorism, earthquakes, sand storms or floods. It allows rescue after a catastrophe.

#####

© Sky Train Corp.

CONTACT:

America - International: SKY TRAIN CORP, 2599 Dolly Bay Dr Suite T308, Palm Harbor, Florida 34684, US, Tel: 727 939 2177, Fax 727 939 1271, www.skytraincorp.com email information@skytraincorp.com

ARC International Associates, Inc. 14 Sand Hill Road, Sandy Hook, CT 06482, Tel: 203-426-0146 Fax:203-426-3213. <http://home.att.net/~arc-djt/> email arc-djt@worldnet.att.net

City Engineers Inc. 2421 Pennsylvania Ave., NW, Suite 300, Washington, DC 20037, Tel: 462-5820 Fax: 301-203-7297 email: aekwenye@aol.com

Thailand: HKS DESIGNER & CONSULTANT INTERNATIONAL CO., LTD, Bldg 1, 4th Floor, Thanormmitt Park, Soi Ramintra 55/8 Tha-rang, Bangkhen, Bangkok 10230 Thailand, Tel: 02 945 6477-9 Fax: 02 945 6480, www.hksconsultants.com info@hksconsultants.com

India: No 1802, 18th Floor, Daffodil, Neelkanth Gardens, Govandi (E), Mumbai -400088, Maharashtra, India Telefax: +91-22-25485121, +91-9867669557

Vietnam: Room 215, 92 Nam Ky Khoi Nghia st, Dist 1, HCMC, Vietnam Tel: +84 8 8218692

UK: Sky Rail UK LTD in the UK: 321 Northgate Cottingham, East Yorkshire, HU16 5RL, England. Tel: +44 (0) 148 284 0242, www.skyrailgb.com info@dinostar.co.uk