

SKY
TRAIN

Universal Transit Solutions!





OUR CONTRIBUTION

Sky Train Corporation's (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 of manufacturing and quick installation. Our system will rule future transportation for 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. [Florida had budgeted funding for the MOSI project.](#) See movies at: www.stpt.usf.edu/brownbag/09-08-06-growth.asp and presentations and computerized simulation of the Sky Train in operation at www.stc-in.com.

Sky Train Corporation is a premier developer of rail and monorail systems offering to operate with partners listed below 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. This improves performance and allows utilization of the existing trained rail personnel workforce.

Simply, we re-engineer into an overhead-suspended system that incorporates solutions to nature's and man's extremes. Sky Train offers full transportation capacity from single vehicles up to full subway capacity to move people. We provide the next level of solutions for most railroads and monorail needs.

OUR MISSION

Sky Train Corporation was originally funded in part by Florida's Technological Research Development Authority (TRDA). We are presently operating under a Department of Energy (DOE) grant as a joint initiative with The Florida Solar Energy Center (University of Central Florida). We have design support from NASA through a S.E.T.O.P. project. STC products peer reviewed by the National Science Foundation have gained international recognition. We are a private company with 23 stockholders. Our patent protection with 63 claims covers three advanced systems protecting our concepts and an additional two patents are pending.

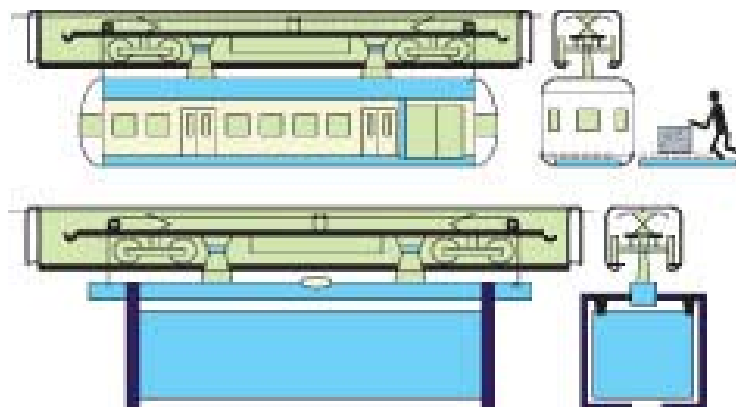
This is a best fit for Smart Growth offering enhanced technologies. We focus on conservation and efficiency and embrace sound growth principles. This alternative transit mode helps control sprawl, improves economic competitiveness, mitigates pollution, and fits the 21st Century model to revitalize our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

In short - Sky Train provides a new format of a 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, so are erected quickly with minimum disruption to the natural environment or need for relocation of most utilities.

OVERHEAD-SUSPENDED LIGHT RAIL (OSLR)

Combination car adapted for automated container handling at right

A major development in freight container movement - the grapple is substituted for the passenger vehicle car shown above



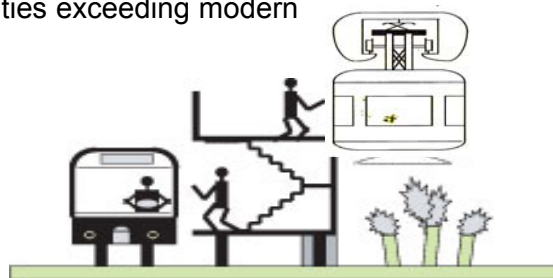
REWARDS AND BENEFITS

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 ease of freight interchange
- Operates above congestion insuring scheduling and fast-unimpeded service
- Designed to continue operating in high winds, sand storms, 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 are 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 most rubber-tired monorail systems or automobiles
- Can be totally automated, lowering cost, using railway or elevator control systems
- Can also be designed for heavy container freight or light duty systems for airports and theme parks

About Sky Train Car Designs:

- Cars can be 13.3ft (4m) wide and 40ft (12m) long for high capacity and comfort
- Single cars up to full-length trains offer transportation capacities exceeding modern subways
- Wide-door level access for handicapped, bicycles, and baggage trolleys
- Level access offers double passenger loading rates compared with steps
- Cars and stations can be air conditioned for comfort



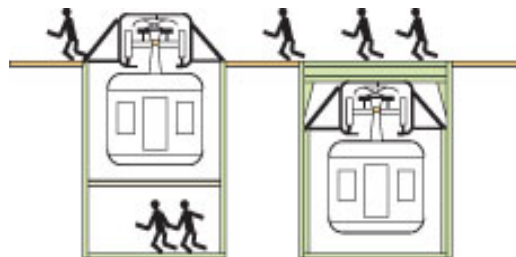
About Intermodal Stations:

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

System may be configured for malls, airports, or parks using corridors, cuts, or tunnels



LONG TERM EFFECT

- Creates a recognizable transit “icon” where the system is built
- Enhances promotion of shops with view from above
- LOW CARBON FOOTPRINT attracts investor money & encourages redevelopment
- Convenient and fast relaxed transit; more time for business and tourism
- Increasing economic Smart Growth and Transit Oriented Development (TOD)
- Mass transit can reduce parking requirements, especially for employees on company grounds
- 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 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 and developing OSLR service. Specifically we define routes, capacity, sizes, 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, which is movable to the next qualified existing manufacturing partner.

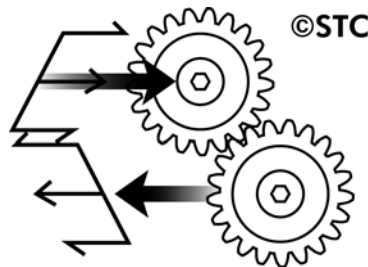
Sky Train's suspended designs allow the elimination of many devices such as: rubber tired stabilizing wheel sets, energy intensive steering systems, and complex tilt mechanisms. We are designing to use renewable energy and eliminate power lines at \$½ to 2 million per mile resulting in smaller sub-stations 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 and retail sales. It also fits within the Smart Growth and Livable Community model.

Our main features make use of the ability to:

- Utilize Air Rights over community right of way on roads, rivers, toll roads, 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 similar to 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 vary by model: STC100 up to 40% & STC200 & STC300 up to 70%. STC300 is designed to reduce structure cost up to 40%, which is 60% to 80% of the overall cost.

STC's elevated structure reduces passenger transfer distance, utility relocation costs, traffic impact, and length of construction time. By eliminating corridors and drainage it no longer divides communities further enhancing land use. The designs also protect against lightning strikes, house fiber optics, CCTV, other conduits, and street light installations. The structure reduces the impact of terrorism, earthquakes, sand storms, or floods. It not only provides a comfortable visual experience, but also allows rescue and supply after a catastrophe. Sky Train is ideal as a stand alone transit loop or as a feeder system for rail & intermodal transit networks.

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