Ai capital

Ai Skytrain

Assisting Goverments

Develop a fully Automated, cost effective, high-reliability, High-efficiency elevated light Rail public **Mass Transit System**

CONFIDENTIAL

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INTRODUCING SKYTRAIN

SKYTRAIN™ is a fully automated, high-efficiency and extremely cost-effective public mass transit system that uses air propulsion technology to drive lightweight, high passenger volume vehicles. SKYTRAIN™ unique technology reduces cost through simplicity. SKYTRAIN™ conceptually embodies 5 definitive aspects:

1. Air Propulsion
2. Aerodynamic Efficiency
3. Elevated Operation
4. Energy Efficient
5. Environmentally Friendly

SKYTRAIN™ combines high performance, easy and fast implementation, environmental compatibility, comfort and reliability and low capital cost. Internationally patented, SKYTRAIN™ technology, uses steel wheels and rails on an elevated runway, for low drag and energy optimisation, and is designed for safe, economical and environmentally friendly applications. The advantages of SKYTRAIN™ flow directly from the system's uncomplicated concept and extremely high payload to weight ratio.

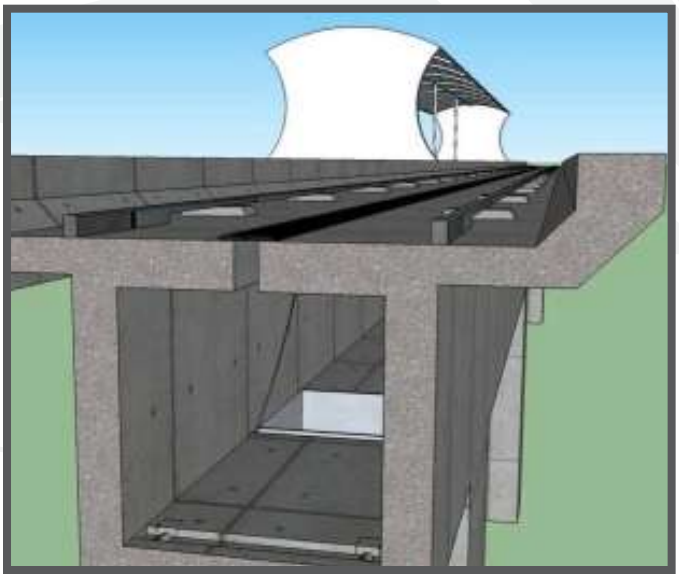
SKYTRAIN™ blowers propel air, under low pressure, via a semi-sealed duct built into the runway. The pressurized air pushes against a rigid propulsion plate attached to the underside of each SKYTRAIN™ vehicle. This propulsion plate acts like an upside down sail on a sailboat, propelling each SKYTRAIN™ vehicle forward, into a low pressure vacuum, and also helping to stop it when air flow is reversed. SKYTRAIN™ with its exclusive right-of-way and comparatively short headways is designed to carry up to 10,000 passengers per hour per direction.

SKYTRAIN™ TECHNOLOGY – GENERAL FEATURES

The light weight of SKYTRAIN™ vehicles ensure that energy is not wasted by moving heavy deadweight; the simplicity and high reliability of the SKYTRAIN™ system results in significantly reduced maintenance requirements. Air propulsion eliminates the problems of heavy rail traction; wear on wheels and tracks is reduced to a minimum. Acceleration and deceleration is smooth and efficient; traction noise and vibration are minimized; SKYTRAIN™ vehicle speed can reach 80 kilometres per hour (km/h) in urban applications.

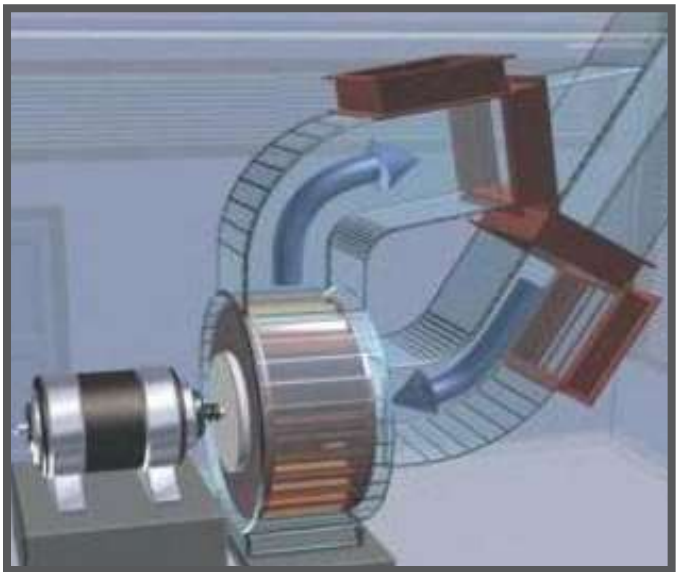
The combination of pneumatic propulsion and non-axle wheel design permits SKYTRAIN™ vehicles to climb steep gradients up to 120 and traverse sharp curves with a radius as low as 25 meters. The use of stationary air blower units permit optimum design of power plants in relation to specific requirements for each route segment. Major cost savings are obtained by appropriate sizing of air blowers for each route section. Capital and maintenance cost is low, due to simplicity of design and high reliability of the components, such as proven industrial air blowers.

The electric motors on the SKYTRAIN™ air blowers are sturdy, completely independent units. Because the purpose of these motors is to pump air, not drive the vehicle, maintenance requirements are minimal. SKYTRAIN™ operation is fully automatic. No drivers are required on-board. High reliability automation systems are used for protection, control and



SKYTRAIN-ILLUSTRATIVE CROSS-SECTION OF PNEUMATIC AIR PROPULSION SYSTEM

SKYTRAIN INSTALLATION ELEVATED SKYTRAIN STATION UNDER CONSTRUCTION



SKYTRAIN PROPULSION SYSTEM AIR BLOWER UNITS

supervision of SKYTRAIN™ operation. SKYTRAIN™ vehicles are equipped with modern, efficient roof mounted HVAC units. These air-conditioning units have been widely used by the transit industry and provide maximum comfort at a minimum cost.

SKYTRAIN™ TECHNOLOGY – THE VEHICLE

Free of the weight of on-board traction / propulsion systems and motors, the SKYTRAIN™ vehicle is very light and simple, carrying 2 to 3 times more people per ton of deadweight than most other mass transit alternatives. The enclosed propulsion plate is rigidly attached underneath the SKYTRAIN™ vehicle, thereby preventing derailment. The SKYTRAIN™ vehicles embody state-of-the-art aerodynamic features, which optimise energy requirements. The SKYTRAIN™ vehicles are fully compliant with NFPA, ADA and other U.S. codes and international rail safety standards.

SKYTRAIN™ TECHNOLOGY – THE PROPULSION SYSTEM

SKYTRAIN™ is driven by a pneumatic propulsion system which converts electrical power into air flow and therefore transmits thrust directly to the SKYTRAIN™ vehicle without gears or any intervening electrical circuits. Stationary electrical blowers, located close to the passenger stations produce the necessary pressurized air, which is generated according to the desired vehicle acceleration rate and speed all controlled by high utility Programmable Logic Controllers (PLC's). The SKYTRAIN™ power propulsion units are completely contained in sound-insulated housing units.

Variable speed motors increase efficiency and minimize any loss of energy. These large, powerful motors provide SKYTRAIN™ with a wide range of air movement capability, and therefore a very dynamic propulsion range, while keeping the cost of operation and maintenance at a minimum. The fixed location, stationary power propulsion units reduce wear and allow simple, efficient and timely maintenance, because they are entirely separated from the moving SKYTRAIN™ vehicles. Full system redundancy is ensured by linking blower units in tandem within the overall system design.

SKYTRAIN™ TECHNOLOGY – THE CONTROL SYSTEM

SKYTRAIN™ joined forces with Allen-Bradley's Industrial Automation Systems Division of Rockwell International to produce a "cutting edge" transit control system. The system is fully automated using proven Allen Bradley Programmable Logic Controllers (PLC's). The Industrial Automation approach is extremely reliable, safe and eliminates any potential for human error. The SKYTRAIN™ Control System is also the centre of all vital functions including communications and station supervision.

SKYTRAIN™ – FABRICATION / CONSTRUCTION

The fixed runway of SKYTRAIN™ consists of a pre-fabricated box beam, which supports the track and SKYTRAIN™ vehicles, and through which the air circulates. For purposes of rapid construction and minimum disruption to surrounding activities, the SKYTRAIN™ runway is erected in pre-fabricated modular sections in pre-stressed concrete or steel, which may be readily lifted into place by day or night. The sleek, silent, clean, energy-efficient, spatially-optimised SKYTRAIN™ is designed to be an excellent neighbour and is an ideal mass transport option in all city and urban environments.

SKYTRAIN™ – SAFETY

SKYTRAIN™ vehicles travel on an elevated, exclusive runways, eliminating grade crossing congestion and potential

SKYTRAIN INSTALLATION ILLUSTRATING TYPICAL SKYTRAIN RUNWAY

SKYTRAIN INSTALLATION JAKARTA, INDONESIA - MORE THAN 10 YEARS OF SUCCESSFUL OPERATIONS

Construction velocities:

1 - 2 weeks per kilometre per direction of travel;

Associated commercial opportunities: there are endless conjunctive property developments available, viz. stations, on-station retail, malls, hotels, condominiums, offices etc. etc. both elevated and peripheral to stations at ground level.

SkyTrain speeds are approximately: 60 km/h. The design is absolutely adaptable to intermediate long-haul - approx. 100 to 400 km range, and in this design mode is capable of speeds up to 240 km/h.

FIVE KEY REASONS GOVERNMENTS PARTNER SKYTRAIN™

1. Provides affordable, high quality and safe public transport;
2. Rapid implementation timeline means fast delivery of vastly improved public transport for government, business and the general population, thus driving economic prosperity;
3. 24/7 operability drives convenience and a favourable lifestyle / working climate, improving property values;
4. Significantly relieves traffic congestion in overly crowded urban settings without exacerbating the problem further.
5. Environmentally friendly, energy efficient and silent operation makes SKYTRAIN™ an excellent neighbour.

for accidents. The SKYTRAIN™ propulsion concept has the intrinsic safety feature of an air buffer between propulsion plates which helps to prevent collision between SKYTRAIN™ vehicles. SKYTRAIN™ vehicles can not derail; propulsion plates inside the duct are rigidly connected to the vehicle undercarriage. Automation includes redundant and high reliability systems. Operation of vehicles is supervised by an automatic train protection system. Dual propulsion and friction emergency brakes are provided.

Emergency exits at both ends of the SKYTRAIN™ vehicle allow easy passenger evacuation. The SKYTRAIN™ runway itself acts as a passenger escape route. Two-way communication between vehicle and central control post is standard. Friction brakes on the SKYTRAIN™ vehicle are not required except for parking at stations and are essentially redundant because the vehicles can be stopped using the propulsion system alone.

SKYTRAIN™ – ENVIRONMENTAL IMPACT

Perhaps the greatest benefit of SKYTRAIN™ is its favorable influence on patterns of land use. SKYTRAIN™ is highly energy efficient and well-suited to using electricity sourced from renewable sources, such as solar, wind and bio-fuels. There is minimal noise emission and no air pollution. Traffic congestion and grade crossing incidents are eliminated.

SKYTRAIN™ – ECONOMIC IMPACT

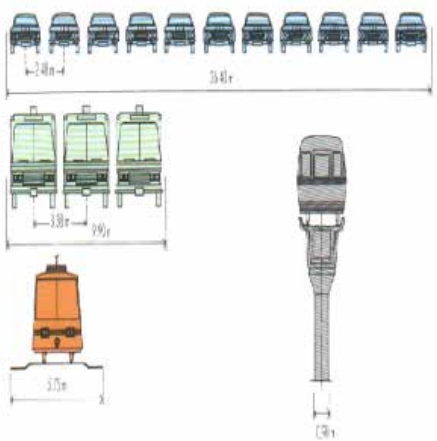
SKYTRAIN™ concentrates on growth and development, increasing the surrounding land value while at the same time alleviating the necessity to build costly infrastructure. Research has shown that similar transit systems have had a significant impact on the development of urban areas near stations, significantly driving up property values. SKYTRAIN™, because of its low capital cost and very low operating costs, is ideally suited to low resource settings and for developing countries.

SKYTRAIN™ INSTALLATION SHOWING THE PORT ALLEGRE AIRPORT > CONVENTION CENTRE ROUTE IN BRAZIL

SKYTRAIN™ INSTALLATION PORT ALLEGRE BRAZIL SKYTRAIN™ VEHICLE IN SERVICE BAY

COMPARISON WITH OTHER RAILWAY TRANSPORTATION

Type of Transportation	Investment Per km
Mass Rapid Transit (MRT)	USD 100 Million
Monorail Single Track	USD 15 Million
AiSkytrain	**USD 10 Million**



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SKYTRAIN™ – IMPLEMENTION PARTNERS IN AFRICA

BUNENGI group	Bunengi Group is a leading African infrastructure and mining development company and the lead developer for the Skytrain consortium in Africa.
WBHO	WBHO is the leading EPC contractor on the African continent and will be the lead EPC on all SKYTRAIN™ projects
AEROMOVEL	Aeromovel is the Brazilian OEM that has exclusively licensed the SKYTRAIN™ technology to Bunengi Holdings for the African continent.
Rockwell Automation	Rockwell Automation are world leaders in Train Control & Safety Systems, and are the vendor of the train safety system for SKYTRAIN™.
Allen-Bradley	Alan-Bradley are global leaders in Programmable Logic Controllers (PLC's) - a fundamental design element in the SKYTRAIN™ system. Allen-Bradley are vendors to SKYTRAIN™.
PB 100 YEARS PARSONS BRINCKERHOFF	Parsons Brinckerhoff, with over 100 years of rail expertise are the acknowledged leaders in rail technology professional consulting and operations worldwide. Aeromovel have appointed the PB Transport Group to provide the engineering configuration control for SKYTRAIN™, and Bunengi have appointed PB as technical advisors to SKYTRAIN projects in Africa.
INFRASET THE AVENS GROUP	Infraset are leaders in the production of pre-stressed, reinforced and pre-fabricated concrete components for rail applications, and will be the primary vendors for the SKYTRAIN™ Elevated Track Runways and Stations.
TRANSNET engineering	Transnet Engineering is a key Strategic Partner to Bunengi in the engineering and fabrication related aspects for all SKYTRAIN™ projects across the African continent.

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INVESTMENT MATTERS

Africa's Investment Partner of Choice

Africa investor (Ai) Capital is an investment holding company that aligns its partner base of pension funds, sovereign wealth funds, family offices, and long-term international investors with investment opportunities in Africa. Ai Capital also assists and advises African project developers to access international capital and provides foreign investment and transaction advisory services to African governments and global investors.

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