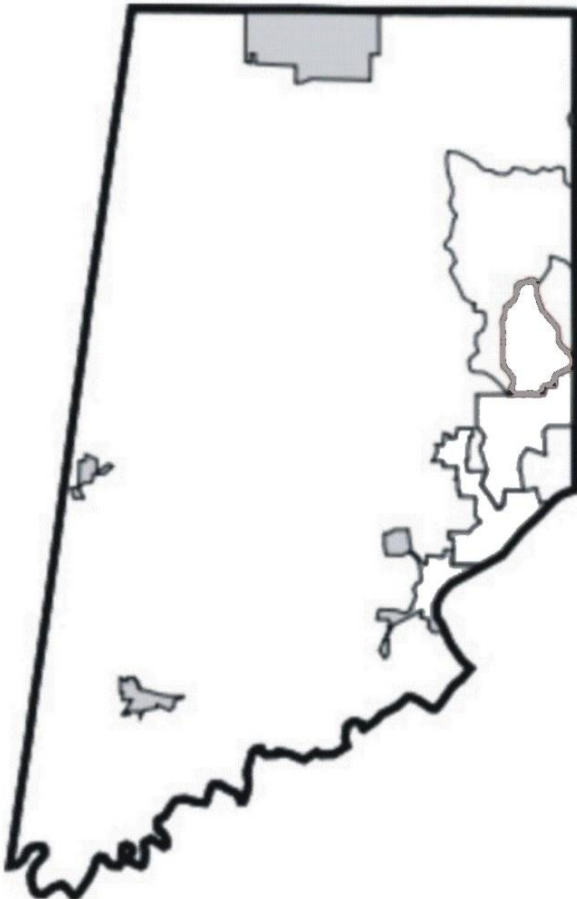




DEARBORN COUNTY INDIANA
FROM THE CROSSROADS OF AMERICA
LAUNCHING A VISION FOR A BRIGHTER FUTURE



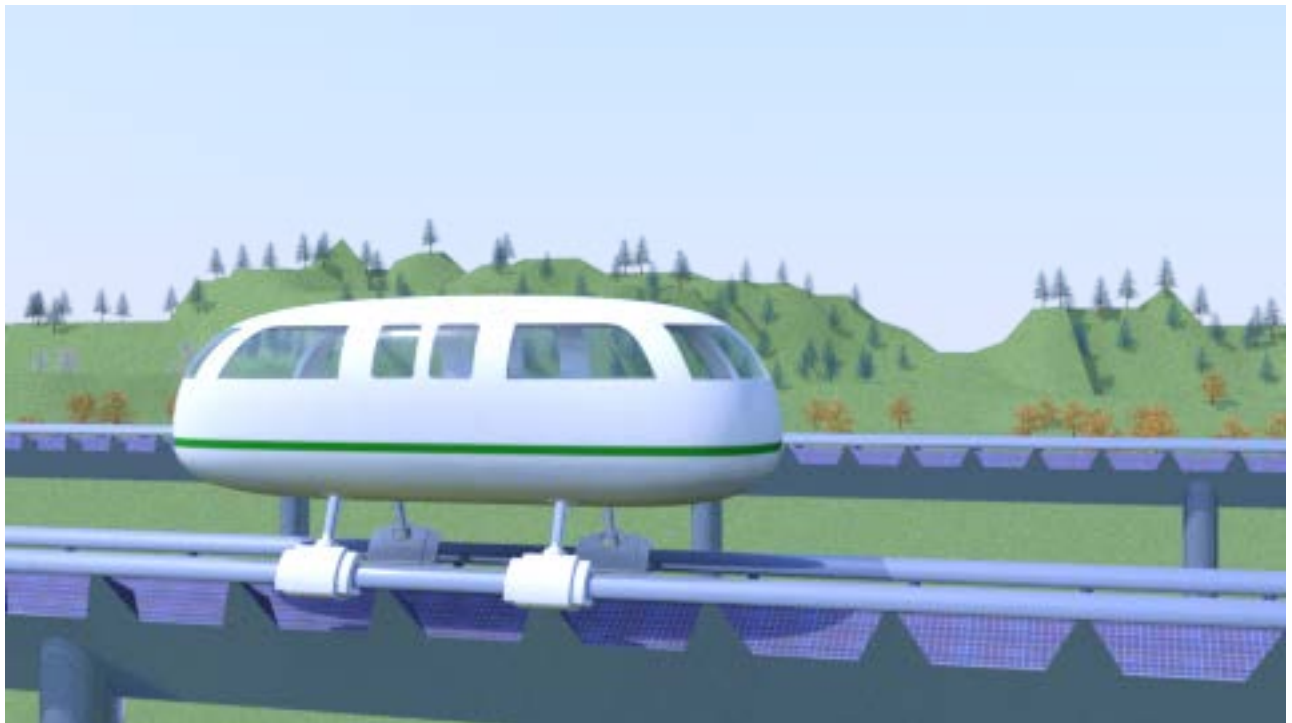
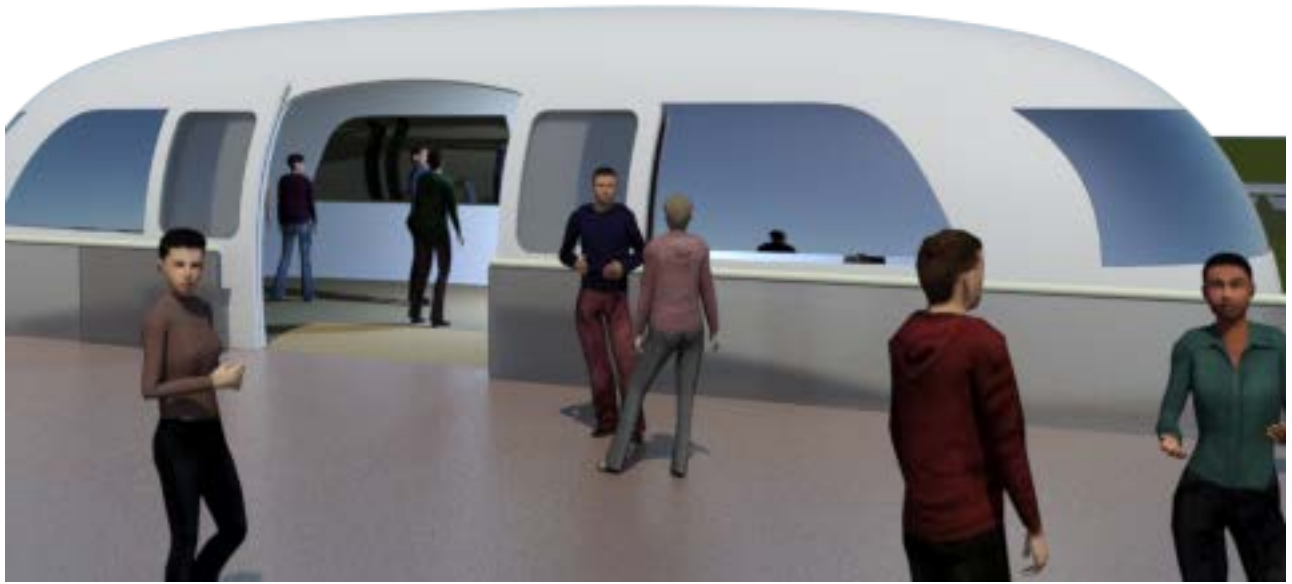
Dearborn County



State of Indiana



39 colleges or universities within 50 miles (Source College Simply)
32 airports within 50 miles (Source Zoom Prospector)



HYDROGEN SUPER HIGHWAY (HSH) PROJECT

INDEX

I. HSH TECHNICAL DESCRIPTION AND IMPACTS

II. INDUSTRY AND HSH COMPANY OVERVIEW

III. HSH PROJECT TEAM

IV. SUPPLEMENTS

Section I : HSH Technical Descriptions and Impacts

– Integrated Production, Storage, and Fueling System

Technical Description: The technical description immediately below contains *excerpts* from a letter written by world renowned Hydrogen scientist, Addison Bain, Ph.D., a retired NASA Hydrogen Program Manager in reference to the HSH. (**Supplement A** – Dr. Bain complete letter)

“The (HSH) system uses solar energy to directly operate the transportation system during sunlight hours and to create hydrogen...from water electrolysis...to be used as an energy storage medium for use during non sunlight hours. The potential of this system to provide a means of hydrogen generation and distribution for its own use and for use as a fuel source for road-bound vehicles is very promising. The (HSH) system stores the hydrogen every 3 miles along its route and within the pipeline network itself which provides distribution between stations. This allows the (HSH) infrastructure to act as a national hydrogen fuel infrastructure making the use of hydrogen-fueled automobiles practical wherever the system is built...I feel that while this system is in the late stages of development and has not yet been constructed, the concept is worthy of full development and when fully implemented will be of great benefit to the states and countries which adopt this system. Please feel free to contact me... Sincerely, Addison Bain Ph.D.” (end of Dr. Bain letter excerpts)

Whereas, the Interstate Traveler Co, LLC is an infrastructure development company engaged in the promotion, research, development, fabrication, installation and maintenance of a solar powered plug and play infrastructure system of subsystems which integrate an elevated magnetic levitation transportation system with municipal conduit for signal cable, broadcast radio, fiber optics, electrical distribution and conduit for a multitude of liquids, vapors and gases. Said system dedicates a portion of the solar power to hydrogen production and distribution of sufficient size and scope to self sustain the system of systems and create a growing surplus of stored energy in the form of stored hydrogen as well as in other battery technologies. Said system employs the conduit cluster and subsystems to operate and maintain a constant supply of potable water along with all standard municipal services to all attached Traveler Stations and Substations. Said system is operated using a TCP/IP styled nested domain addressing electronic network operating system that will facilitate the routing and position control of multiple transports, record and control the gathering, dispensing and movement of materials, signals and energy in the system and share real-time data to enable a growing rail network of independent, interconnecting and interoperable rail networks. Further the network operating system will provide direct addressability and control of all valves, switches, meters, gauges, motors, monitors, cameras, kiosks, sensors, relays, regulators, interfaces, lights, locks, actuators, future subsystems and electronic databases. Further the operating system environment may allow for the real-time communication of redundant independent computers and computer programs that may host the operating system that may control all of the components used in the operation of the system, allowing for the seamless expansion and reconfiguration of the system in a “plug and play” fashion. Further, said operating system will include failover backup systems, data archiving, and the ability to compute, store and report values based on system activity, performance and integrity that may be used in ongoing performance analysis, enhancement and general accounting. Subsystems include water generation, water conditioning, sewerage processing and high-intensity spectral inundation for the destruction of biological and organic contaminants in water supplies and other materials as may be applied. A portion of the Hydrogen produced will support solid waste deconstruction using Hydrogen plasma and electric-arc plasma

technology to reduce all source material into its mineral base for commodity sale; the afore described system IS commonly known as the Hydrogen Super Highway will hereafter be referred to as the HSH.

The HSH believes that less than one half of the hydrogen produced by the HSH is needed to operate its own systems of transports and Traveler stations. For example an average 100 mile HSH system is expected to be able to generate hydrogen production within a cost target of \$2 per gallon of gas equivalent (\$2/gge).

Other HSH key advantages include: 1) HSH transport vehicles are available 24/7 hours, 2) HSH is fully multi modal, whereby stand alone transports are available for passengers, freight and road vehicles, with or without passengers, whereby HSH transports simultaneously share the HSH system, 3) Transports operate above grade, on rails supported by stanchion poles which eliminate at-grade crossing risks and utilize wrap-around the mag-lev rail motors preventing derailments, 4) Traveler stations for ingress and egress can be placed along multiple access points along the entire HSH system routes, or side spur routes. The HSH has a small turning radius (as small as 90 feet) to accommodate greater flexibility of locations to be served, some transports may stop at various, or only selected traveler stations, while others can express past stations to expeditiously serve major point to point long distance travel, 4) Installation cranes install the HSH system from the rail itself eliminating the need to build access roads. The system can negotiate steep grades, curves and other terrain that is less practical for traditional roads and railroads. 4) Municipal services are available and are incorporated in the HSH secure conduit cluster to allow for the movement of a variety of services, such as water, sewer, gases, liquids, electrons and fiber optics. As more of the HSH system gets constructed, the system operates along the principals that Internet SONET fiber rings (self healing rings) utilize, so the HSH can provide superior redundancy and reliability of all of its services.

As the world turns into the sunlight every day the HSH infrastructure will produce, store and distribute renewably made hydrogen, from any water source, including gray, salt, sewer or dirty water. The hydrogen will be used as fuel for transportation, stationary power, process or building heat, in industrial and manufacturing sectors leading the way for mainstream clean hydrogen solutions. As water splitting technology, dispensing and storage solutions continue to develop the HSH will incorporate these solutions on an ongoing basis. The HSH will focus on large scale infrastructure to produce, store and distribute hydrogen, plus the distribution of other municipal services via its secure conduit cluster and other HSH transportation services. (Supplement B – HSH booklet located inside binder front pocket)

HSH Demonstration Project relevance to current state-of-the-art in relevant field: The HSH Project will be a full scale system that can be utilized for demonstration rides. The current relevant technology for the dispensing of hydrogen and splitting water is adequate to proceed forward with the HSH demonstration system. From correspondence with Federal Railroad Association (FRA) sources (mostly steel wheel experts) it was suggested that HSH produce a demonstration of our slotted linear motors and transport suspension system designs which this project will accomplish. In the case of hydrogen technology we would point to projects such as the HCATT program at Joint Base Pearl Harbor-Hickam that produces solar cycle renewably made hydrogen to fuel ground support vehicles. The HSH via special invite spoke and presented at AFRL/APTO (Air Force Research Lab/Advanced Power Transportation Office) sponsored events on the subject of LARGE SCALE hydrogen infrastructure solutions. For several years, the Founder of the HSH and other HSH team members have been privy, via special invites, to speak and participate at key AFRL/APTO sponsored events, also

USN ONR (U.S. Navy Office of Naval Research) and joint U. S Navy/Army events. (**Supplement C** - Alternative Energy NOW, AFRL/APTO Conference)

The Full Scale Demonstration of the HSH will be elevated, featuring a one half mile ride with curves, elevation changes and straight track rail. A transport vehicle platform with unique magnetic levitation motors, suspension system and elevated rail will be located in Lawrenceburg Indiana adjacent to the Ivy Tech Community College lakefront campus and the new “State-of-the-Art” Advanced Manufacturing and Technology Labs. (**Supplement D** – Brief Scope of Work)

Impact of Funding: The funding would allow the HSH demonstration project to be physically built. Thereafter, a commercial launch would commence supplying large scale renewable hydrogen production, storage and distribution, municipal services and transportation. The HSH Demonstration Project investment total is \$12 million. The HSH team is open to discussing additional enhancements to the project at the initial phase that a willing contributor may be open to.

The HSH project in Lawrenceburg Indiana will serve the hydrogen economy as a foundation in the heartland of the United States. Southeast Indiana is at the epicenter of the tri state area where Ohio, Kentucky and Indiana converge. The burgeoning Hydrogen Economy will be positioned as a leading advanced technology and well paying jobs program in the United States. The general area includes automotive plants of hydrogen savvy Honda and Toyota as well as steel manufacturing. A local newspaper headline states “Governor Holcomb plans port in Lawrenceburg as global enterprise”, to serve as 4th Port of Indiana. The HSH will be positioned to service the port to ease traffic and pollution. Lawrenceburg is the location of a natural gas power plant which could potentially use renewably made hydrogen to power the jet engines that heat its boilers. (**Supplement E** – HSH Demonstration Site map)

(**Supplement F** – Lawrenceburg historical plaque, First In New Modes of Transportation)

Three items to note please:

>The 2016 FAST (Fix America’s Surface Transportation) ACT states that the USDOT “shall consider access for other modes (of transportation) and also that USDOT is to “designate...hydrogen...fueling corridors”. (**Supplement G** –slides, 1, 28 & 29-*green added for emphasis* in 30 page Power Point)

>At an HSH presentation which had been arranged by the special invite of the San Francisco Parsons Brinckerhoff (PB) office, Program Manager for the California High Speed Rail Authority, PB engineers, managers and marketers took significant time to discuss the HSH after a private “brown bag lunch”. The discussion and comments centered on PB input that the HSH project design features would solve MANY KEY ISSUES that they were facing. They lauded the solutions provided by our maglev elevated model, HSH eliminating ground crossings and mitigating eminent domain items that were creating problems for PB, the multi mode ability (allowing a combination of expedited traffic for pedestrians, vehicles and freight), the very small turning radius compared to traditional rail, allowing more access points and the safety aspect of HSH unique maglev computer vetted motor design. They praised the bulk creation, storage and distribution of hydrogen capabilities.

>On March 4, 2019, the U.S. Department of Energy sent out a Tweet by Secretary Rick Perry stating, “Hydrogen is an energy carrier that can unite our Nation’s abundant #energy resources,” said Rick Perry. (**Supplement H** – DOE Tweet). HSH is the large scale system to accomplish this worthy task.

IT’S TIME TO IMPLEMENT THE NEXT STEP – THANK YOU FOR YOUR CONSIDERATION

Section II : INDUSTRY AND HSH COMPANY OVERVIEW

- **Industry Highlights Recap:** Below are just a few highlight excerpts of the hydrogen industry and the Hydrogen Super Highway.

- **By invite of the American Society of Naval Engineers, HSH presented at the summer ONR 2017 expo Tech-Talk session** with further interaction with the Office of Naval Research & National Science Foundation. Note that Crane Naval in Indiana is a significant Navy facility with a strong track record in support of renewable energy initiatives.
- In conjunction with the ONR 2017 expo efforts **HSH presented to the U.S. Surface Transportation Board** for discussions related to potentially **interconnect the national patchwork of independent railroads and to upgrade Amtrak**. In person visits were made to each Member office of the House Transportation and Infrastructure committee with HSH documents to build from Union Station to BWI.
- **HSH Speaks at Air Force Research Lab/APTO key sponsored conference by special invite in prominent speaking position, invite came via the APTO/AFRL Program Manager and Lead for the Environmental and Energy Program**, member of DoD Pollution Prevention R&D Panel, Air Force Technical Rep for the National Defense Center for Energy and Environment.
- HSH Responds with 14 page document of detail to **US DOT FHWA RFI: Novel Surface Transportation Systems**
- **New FAST Act 2016 (Fixing America's Surface Transportation):** Act states “shall consider” (vs. previously “may take into account”) ***Access for other modes** ***DOT to designate national...hydrogen...fueling corridors** (HSH fits)
- **Amazon signs an agreement with hydrogen fuel-cell forklift maker Plug Power-Spring 2017**
- **Retail delivery began December 2016 in the U.S. of the Honda Clarity Hydrogen Fuel Cell 5 passenger sedan** with 300+ mile range, no emissions and under 5 minute fueling. **Steve Center-Vice President, EBDO, American Honda Motor Company, Inc.** (12/19/16) states, “Today marks another milestone in our fuel cell vehicle leadership”.
- **Toyota North America CEO Jim Lentz, “Hydrogen is a real solution into the future that solves our carbon problem,** as well.” Lentz said he test drove one of Toyota's hydrogen-fueled vehicles for months. The Toyota Mirai hydrogen fuel cell car awarded 2016 World Green Car.
- **Ford CEO Alan Mulally in a Fortune article Q & A stated, “...we're very bullish on hydrogen...We have to have the infrastructure for that, of course, which is huge,...”, “...but I think it's going to take public-private partnership.”**
- **Hyundai drove across the U.S. using zero gallons of gas, fueled by hydrogen.** The company wanted to show that the **technology is ready for prime time**. Hyundai's VP, Mike O'Brien said, “The question is will there be a place to fuel them?” The article further states, “...**the infrastructure just needs to catch up**...Hydrogen is a clean form of energy... The only emissions coming out of a hydrogen tail pipe are water”.
- **HCATT (Hawaii Center for Advanced Transportation Technologies) – Renewable Hydrogen Production at Joint Base Pearl Harbor** *Electrolysis selected for renewable solar power to produce hydrogen *Takeaway: Using renewable solar energy to produce alternative fuel (hydrogen) to power a fleet of ground support vehicles.
- **Hydrogen Council formed Jan2017:** Includes Honda, Toyota, Daimler, BMW, Hyundai, Air Liquide, Linde, Shell and Total
- **Jan 2017-Honda & General Motors announce auto industry's 1st joint venture for hydrogen fuel cell manufacturing**

- **The U.S. Army and General Motors announce field testing of the ZH2 hydrogen fuel cell vehicle in spring of 2017** (side benefits of near silent running and drinkable water from tailpipe for troops)
- HSH attends IPHE via DOE coordinated invite. Geri Yoza, Toyota Motor Sales USA, National Business Planning Mgr presentation – ***Hydrogen a way forward** *Most abundant element in the Universe ***Non-toxic** ***Dissipates quickly (lighter than air)** *Significant reduction in CO2 impact ***From environmentally sustainable sources-water** ***Transported & stored easily**
- **U.S. hydrogen stations on West and East coasts expanding.** Canton OH hydrogen station ribbon cutting on 9/26/16. As various vehicle manufacturers are marketing in various nations worldwide the impetus for hydrogen fueling needs is more and more in demand.
- **Ministers and Delegates responsible for hydrogen energy** in their respective countries met in Tokyo (October 2018) and issued a statement including “...**hydrogen can be a key contributor to energy transitions underway to a clean energy future** and an important component of a broad-based, secure, sustainable and efficient energy portfolio...**It can contribute to economic growth as well as energy security while simultaneously protecting the environment** by improving air quality and reducing greenhouse gas emissions.”
- **Dr. Addison Bain (retired world renowned NASA Hydrogen Program Manager & author, *The Freedom Element-Living with Hydrogen*) writes, “...the (HSH) will be of great benefit to the states and countries which adopt this system”.**

HSH Company Brief:

Current HSH Status: *HSH has obtained letters in support from various entities including: Ivy Technical Community College (the nation’s largest singly accredited statewide community college system), Dearborn County Indiana via a public meeting where a lead Commissioner stated he was 100% in favor of the HSH hydrogen project, [this Commissioner also served as the President of OKI (Ohio, Kentucky, Indiana) Regional Council of Governments and Vice Chair of NACo (National Association of Counties) Subcommittee on Ports (Lawrenceburg, Indiana is the likely Ports of Indiana, new 4th Port location)]. All Mayors within Dearborn County provided letters of support, a motion of support was passed by a unanimous vote of the elected City Council-City of Lawrenceburg (the County seat) and supportive letter from Indiana Economic Development Corporation (IEDC). The HSH project is a private LLC with over 300 Members, bringing in to date over \$2.3M and having spent \$2.3M on various engineering, operational and hydrogen/transportation related event attendance. The company has no debt. To date no salaries have been taken by company Officers of the HSH project. Our status of contract eligibility with the U.S. Federal authority of Award Management is CAGE Code 3XWY1 at www.sam.gov*

The Hydrogen Super Highway team is committed to provide high technology, well paying JOBS, in the HEARTLAND OF AMERICA and across the U.S. The HSH TEAM pledges to do our part, with optimism, persistence and dedication FOR A BRIGHTER FUTURE. Let’s work together!

HSH website link: www.hydrogensuperhighway.com

HSH animated ride link: <https://www.youtube.com/watch?v=nHtfX21h34c>

Note: that a 50 page 8 tabbed binder with an additional 73 resource documents was selectively distributed in the Dearborn County Indiana area. This and much more information is available.

Section III : HYDROGEN SUPER HIGHWAY (HSH) PROJECT TEAM

The Project team has strong qualifications, experience and capabilities to carry out the HSH Project. The Project team includes community leaders of influence willing to assist in commercial routes of the HSH in their communities as this project phase is completed. They are energetic JOBS and hydrogen proponents for a brighter, cleaner and renewable future.

Justin E. Sutton, HSH Founder, Managing Partner previously was inspired by the article “Who will fix Amtrak”. Sutton’s diligent research coupled with contacts at Department of Defense related events, and as an inventor, Mr. Sutton devised and refined the HSH. With an extensive computer and scientific background the project is well founded. His designs for unique slotted linear motors have been computer vetted by industry stalwarts.

Jim M. Jung, HSH CEO, President, Managing Partner previously served as co-founder of an ISP with a top 10 rank, which built the Microsoft E Commerce store. Past President of MetroCell which became the largest per capita market share distributor of cell phones in the early 1990s. Jung also held management positions at major automotive suppliers. Graduate of Denison University and Young Presidents Organization Program at The University of Pennsylvania’s Wharton School.

Dr. Addison Bain, PhD – Hydrogen Super Highway – Consultant, NASA Hydrogen Program Manager (retired), a Founding member of the National Hydrogen Association & International Association for Hydrogen Energy, author of *The Freedom Element – Living with Hydrogen* and Smithsonian Institute inductee. Bain is one of the most respected hydrogen scientists in the nation and is excited to be part of the building of the HSH project.

Andre Sauvageot, HSH Partner, Director Vietnam, Southeast Asia, and Washington D.C., Colonel U.S. Army (retired). Established General Electric office in Vietnam, as trade barriers fell won G.E. jet engine contracts. President Reagan’s Special Emissary - MIA/POW Affairs. Sauvageot is the recipient of Vietnam’s most prestigious Friendship Awards.

Ronald Jung, HSH Consultant, served Lockheed Martin on high technology projects in missile defense and sophisticated aircraft and missile guidance. His quality assurance methodology practices were well adopted in his field. Mr. Jung graduated Marquette University with Electrical Engineering emphasis.

Scott Anderson, Enerfab, Chief Executive Officer. Mr. Anderson leads the very solid and capable Enerfab team. Enerfab is a major industry factor with millions of hours of construction experience for industrial, civil, mechanical and electrical projects. Enerfab has been in business since 1901 <http://enerfab.com/team/>

Steven F. Coffman, Dean at Ivy Tech Community College, the nation’s singly largest accredited post secondary institution, along with Ivy Tech’s **Chris Lowery, Senior V.P. Workforce Alignment, Mark Graver, Chancellor, and George Batta, Department Chair**. Mr. Coffman graduated high school and shared classes with now, Vice President Mike Pence.

Albert Abdon, Southeast Indiana Regional Port Authority (SIRPA) Board of Directors, Executive Director of Redevelopment Commission – City of Greendale, Commissioner Lawrenceburg Conservancy District (LCD) and Advisory Committee-One Dearborn, Inc. Previously Mr. Abdon served as General Manager at Enerfab and for many years at the Lawrenceburg coal fired power plant, now closed, which property is now the future projected 4th Port of Indiana location.

Captain Tom Schneider, SIRPA Board of Directors, involved with river and ocean port projects worldwide for the past 40 years. Graduate of U.S. Merchant Marine Academy with an MBA from Pepperdine University coupled with a United States Coast Guard unlimited Ocean Master’s license. From a newspaper top of front page, “Indiana Governor frames plans to build port in Lawrenceburg as a global enterprise”.

Judy McAdams, Grant Administrator/Property Manager for the City of Lawrenceburg Indiana
Ms. McAdams has a unique passion for helping Lawrenceburg forge forward with innovative world changing solutions in keeping with a historical plaque in town that touts Lawrenceburg’s “First In New Modes Of Transportation” accomplishments.

The **Lawrenceburg Municipal Utility (LMU)** is nationally recognized with various top awards including the Diamond Rated RP3 Utility, which is the highest standard possible from the American Public Power Association.

To whom it may concern:

I am Addison Bain, Ph.D., a retired NASA Hydrogen Program Manager. I am a founding member of the National Hydrogen Association and the International Association for Hydrogen Energy. I have more than four decades of experience designing, operating and maintaining hydrogen systems and equipment for the US military and NASA. This includes the Apollo, Centaur and Space Shuttle programs. I was responsible for the acquisition of liquid hydrogen to support all government requirements in the US. I served as the first chairman of the US Department of Energy's Hydrogen Safety Panel. I continue to serve on that panel as a consultant to support all USDOE hydrogen projects in the US. I was instrumental in developing the NASA Hydrogen Safety Manual and the USDOE Hydrogen Safety Best Practices guideline.

I am writing today to present the Interstate Traveler Company's Hydrogen Super Highway network rail and pipeline system to you.

Over the last six years, the Founder and Managing Partner of Interstate Traveler, Justin Sutton and more recently Chief Executive Officer and President, Jim M. Jung, has kept me apprised of their progress regarding the development and construction of their innovative system. The Interstate Traveler system uses solar energy to directly operate the transportation system during sunlight hours and to create hydrogen either from water electrolysis or reformation of natural gas (with subsequent carbon sequestration) to be used as an energy storage medium for use during non sunlight hours.

The potential of this system to provide a means of hydrogen generation and distribution for its own use and for use as a fuel source for road-bound vehicles is very promising. The Interstate Traveler system stores the hydrogen every 3 miles along its route and within the pipeline network itself which provides distribution between stations. This allows the Interstate Traveler infrastructure to act as a national hydrogen fuel infrastructure making the use of hydrogen-fueled automobiles practical wherever the system is built.

The Interstate Traveler Company has expressed their intent to adopt the strictest safety protocols consistent with those I developed during my employment with NASA and to meet or exceed all other safety standards. I have been asked and agreed to participate in hydrogen production, storage and distribution aspect of the company's system design and integration. I feel that while this system is in the late stages of development and has not yet been constructed, the concept is worthy of full development and when fully implemented will be of great benefit to the states and countries which adopt this system.

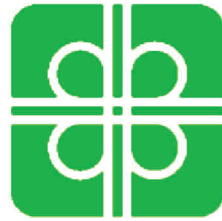
Please feel free to contact me via e-mail at addbain@juno.com.

Sincerely

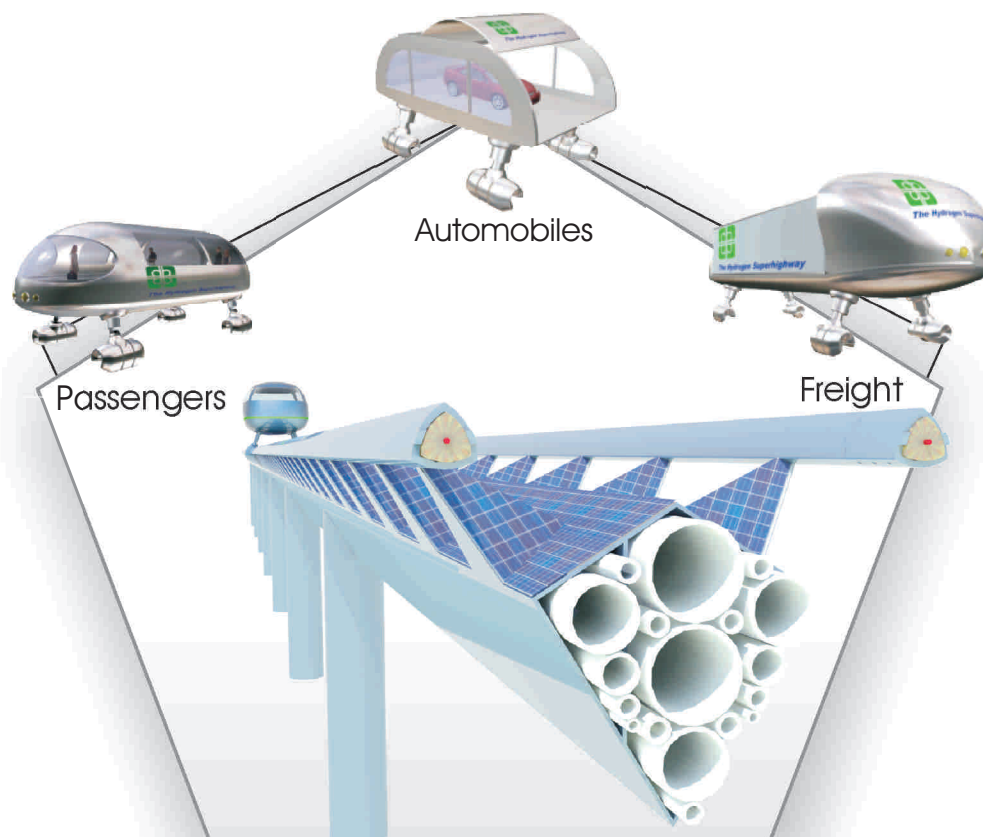


Addison Bain Ph.D.

December 15, 2016



WORLDWIDE HYDROGEN SUPER HIGHWAYS ELEVATED RAIL SYSTEM

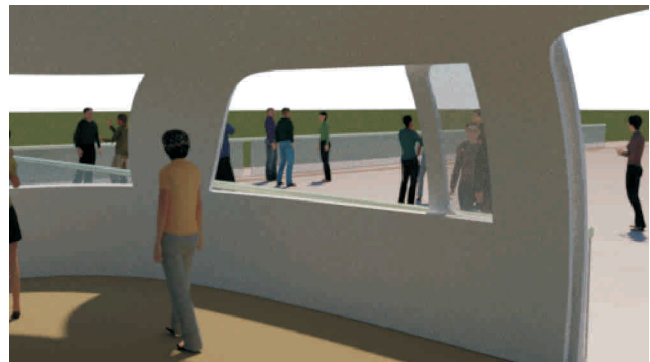
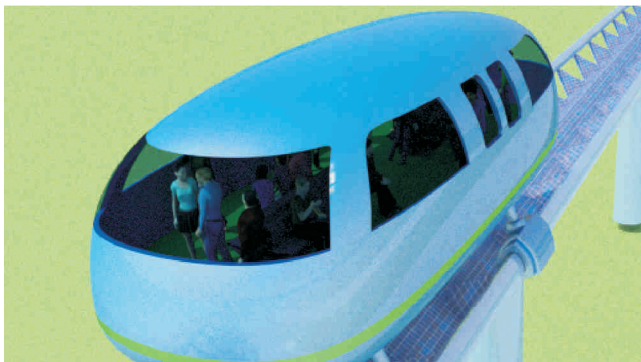


- www.HyRail.us -
- www.InterstateTraveler.us -
- www.ElevatedRailSystems.com -
- www.HydrogenSuperHighway.com -
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HYDROGEN SUPER HIGHWAY

SOLAR AND HYDROGEN POWERED ELEVATED RAIL SYSTEM



AUTHORED, TYPESET & DESIGNED BY: JUSTIN ERIC SUTTON

EDITED BY: JIM M. JUNG - CEO

**MADE POSSIBLE BY THE SUPPORT OF
THE INTERSTATE TRAVELER COMPANY, LLC
ALL RIGHTS RESERVED**

05 JANUARY 2019 EDITION



What is the Hydrogen Super Highway?



The Hydrogen Super Highway is a large scale elevated rail system that bundles all vital municipal utilities into a Conduit Cluster that is safely encased within the primary structural steel beam of the elevated rail system. This primary structural steel beam is laminated with photovoltaic materials creating a first-of-its-kind full integration of solar powered hydrogen production, storage and distribution subsystems within an elevated fixed guideway network to maximize magnetic levitation and propulsion for public use.

For People, for Cars, for Trucks and ISO Intermodal Containers the Hydrogen Super Highway will bridge the gap of time and distance in greater comfort, greater safety and greater speed than any other system on Earth.

The Hydrogen Super Highway...

The Original Smart Grid for Public Transportation

Transportation System

Solar Energy Collection Grid

Intelligent Electrical Distribution

Intelligent Electrical Load Balancing

Hydrogen Production & Distribution

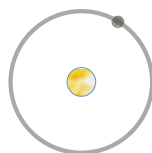
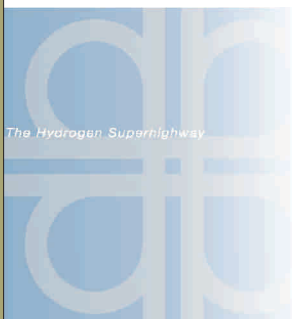
Liquid / Vapor Storage & Distribution

Redundant Fiber Optic Network

Wireless Internet Broadband Access

Embedded Fresh Water Pipeline

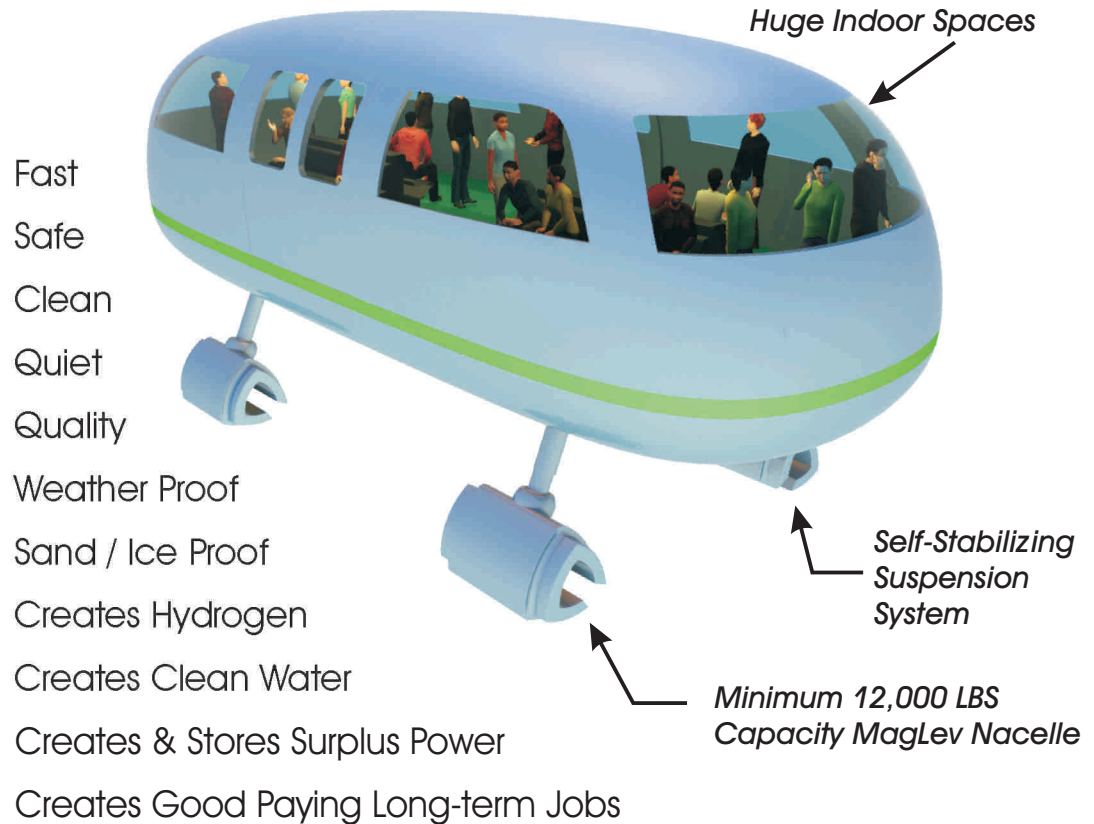
Many Thousands of Jobs



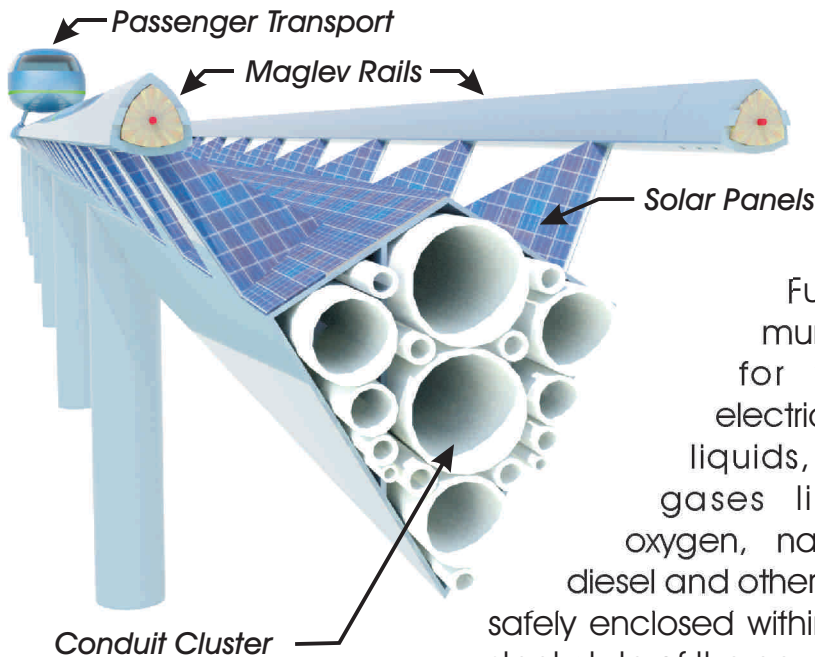


The Interstate Traveler

Hydrogen Super Highway - MagLev Public Transit Network



The Hydrogen Super Highway



Fully embedded municipal conduit for water, sewer, electricity, fiber optics, liquids, vapors, and gases like hydrogen, oxygen, natural gas, bio-diesel and other types of fuel, all safely enclosed within the protective steel plate of the central support. The

HSH will be able to deliver fuels of all types to filling stations including current gas stations along rights of way saving time and money while increasing distribution reliability and safety.

Best of all, the system will consume liquid waste and generate pure water from Hydrogen.

The Hydrogen Super Highway is ready to serve the growing needs of our nation and of the many nations around the world where infrastructure needs have grown faster than their current infrastructure capabilities.



The HSH bridges the gap of time and distance while creating a far-reaching solar powered, hydrogen production and distribution network. The embedded systems of the Hydrogen Super Highway also create a waste water management system and water purification capacity that will serve the public for generations to come.





Ride with Friends

Ride with comfort in a spacious and open cabin area. Enjoy the view out the window as the world slips by at speeds greater than 200 mph.



Like every pilots dream, being able to fly at tree-top level and really see the beauty of the countryside and the grandeur of the cities.

No other transportation system can give you such a smooth ride and such a priceless panorama of the world around you.

Fast

Reliable

Spacious

Comfortable

On Demand

On Time

No Waiting



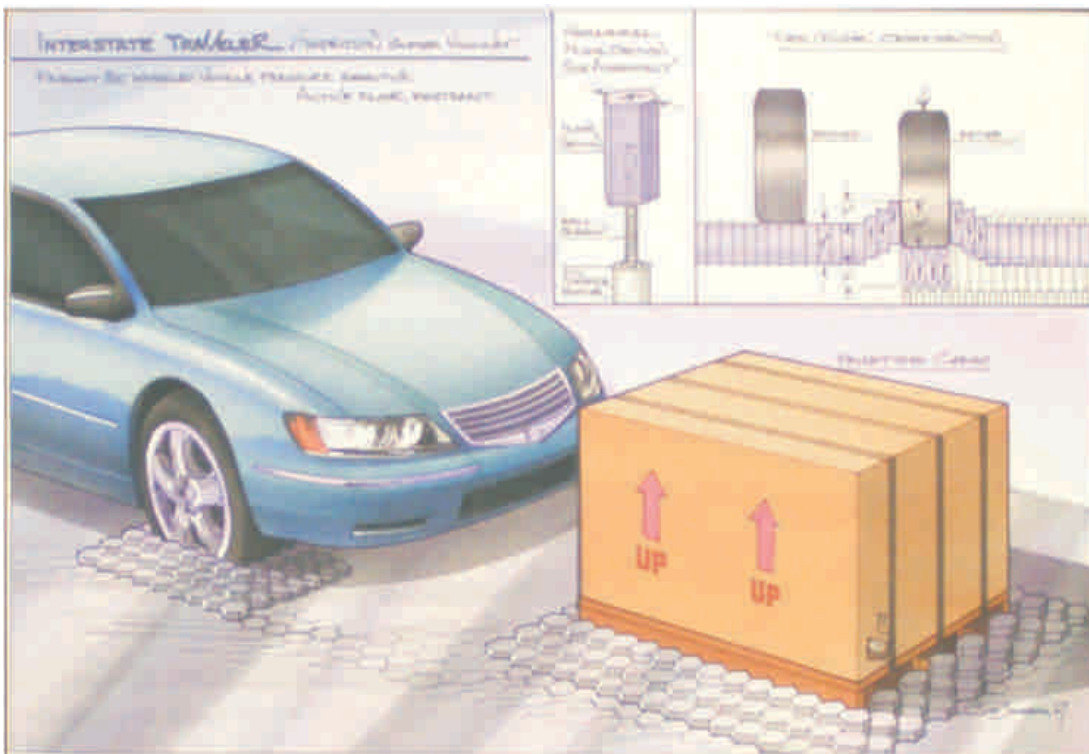
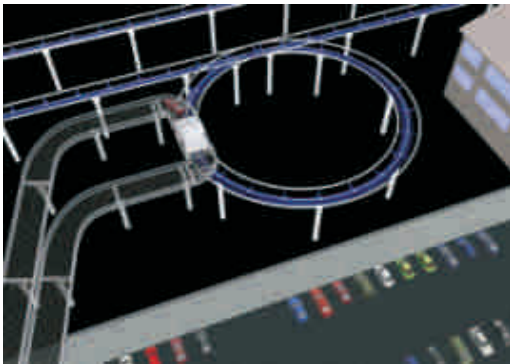
Ride with Family



The Car Transport is perfect for Family trips over long distances.

On the HSH you will be able to travel with your car, truck or SUV at a high rate of speed. You could even load a bunch of motorcycles for a sunset ride out West or load up the snow mobiles for an afternoon ride 200 miles away.

Point to Point travel over large distances as easy as parking in a garage.



Private

Versatile

Durable

Cars

Trucks

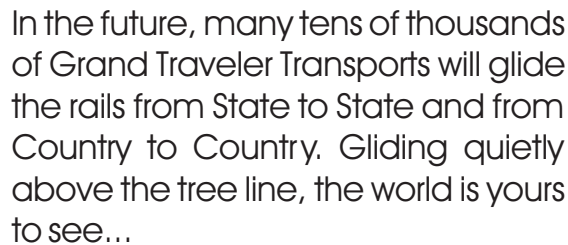
Pallets

Anything





Never before could it be possible for such large, spacious, and comfortable transport vehicles to be constructed and reliably operated across a national network of high speed, super efficient maglev rail.



Boasting a living space of more than 2,000 square feet, the Grand Traveler will be the pallet of automotive designers for years into the future creating all manner of custom spaces.

From Sea to shining Sea, from North to South and from East to West;
riding the HSH will always be the best.

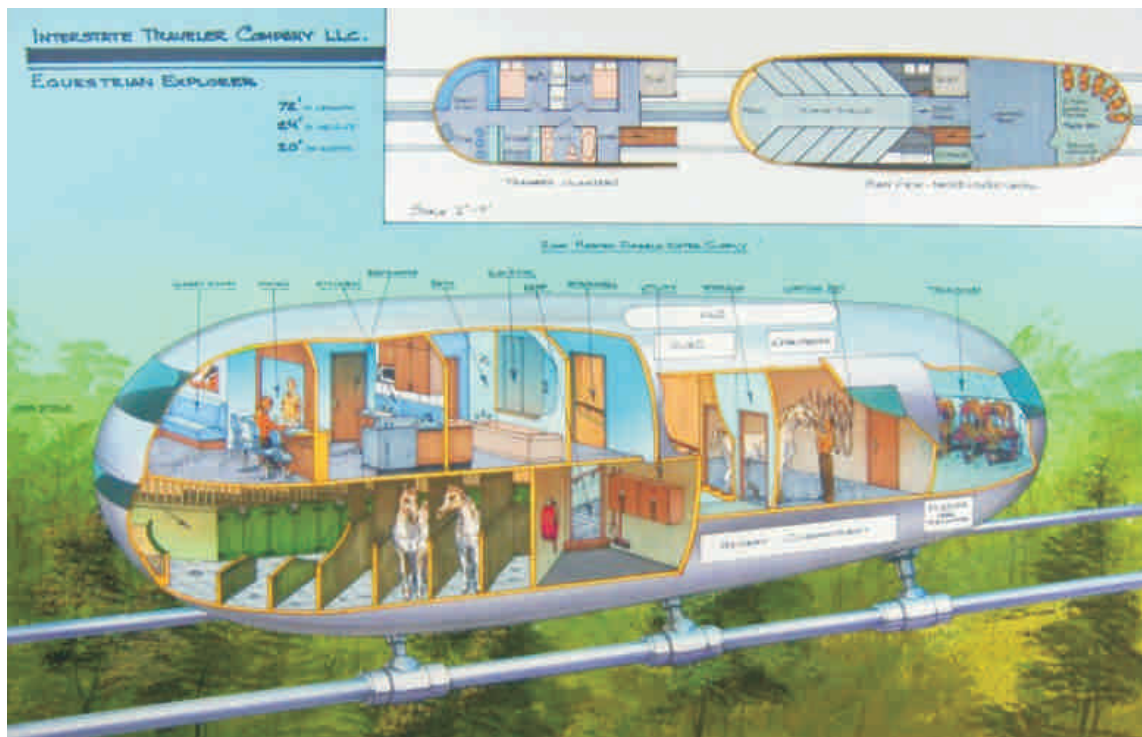
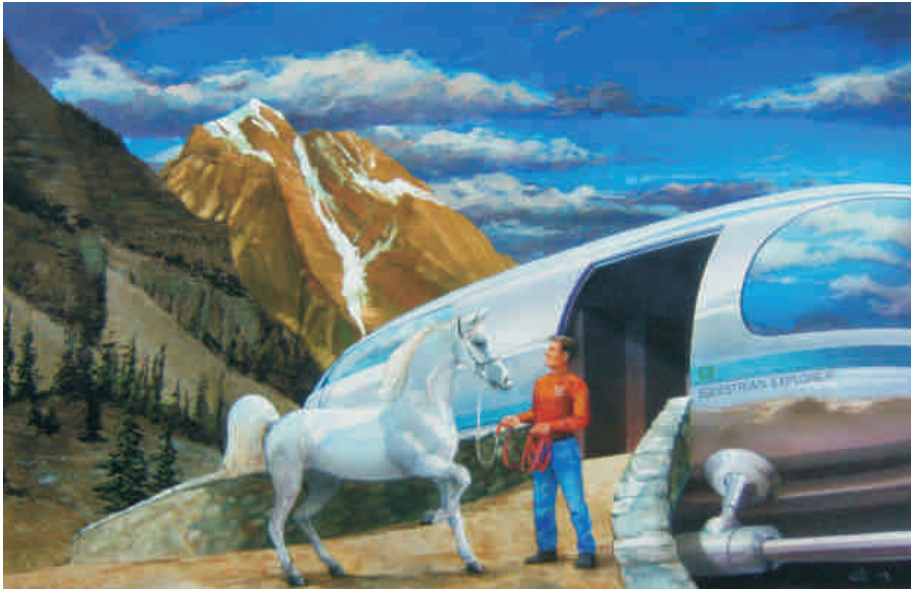


Sports Model

Able to support 2,000 square feet of floor space...

Of the many diverse and popular sports and vacation activities, our focus groups suggested we illustrate the system used for a wonderful weekend in the mountains where you can bring a large team of horses and handlers and equipment with you. Pick your favorite sport...

The Equestrian Explorer



Horses

Street Bikes

Dirt Bikes

Quad Runners

Snowmobiles

Skiing

Snow Boarding

Bicycling

Segways

Hiking

Sight Seeing

Forestry

Ecology



Triage Traveler

Medical Staff

Imaging

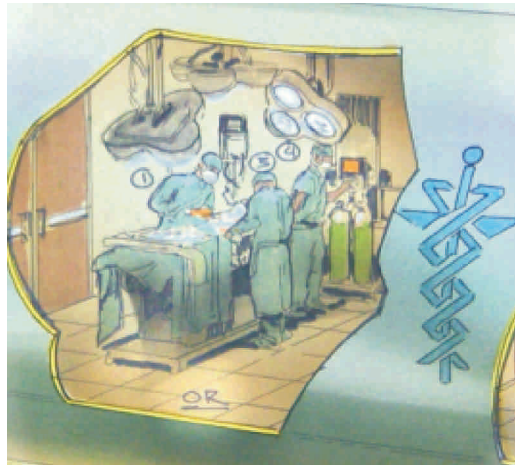
Chemistry

Anesthesiology

Surgery

Fast Travel

Weather Proof



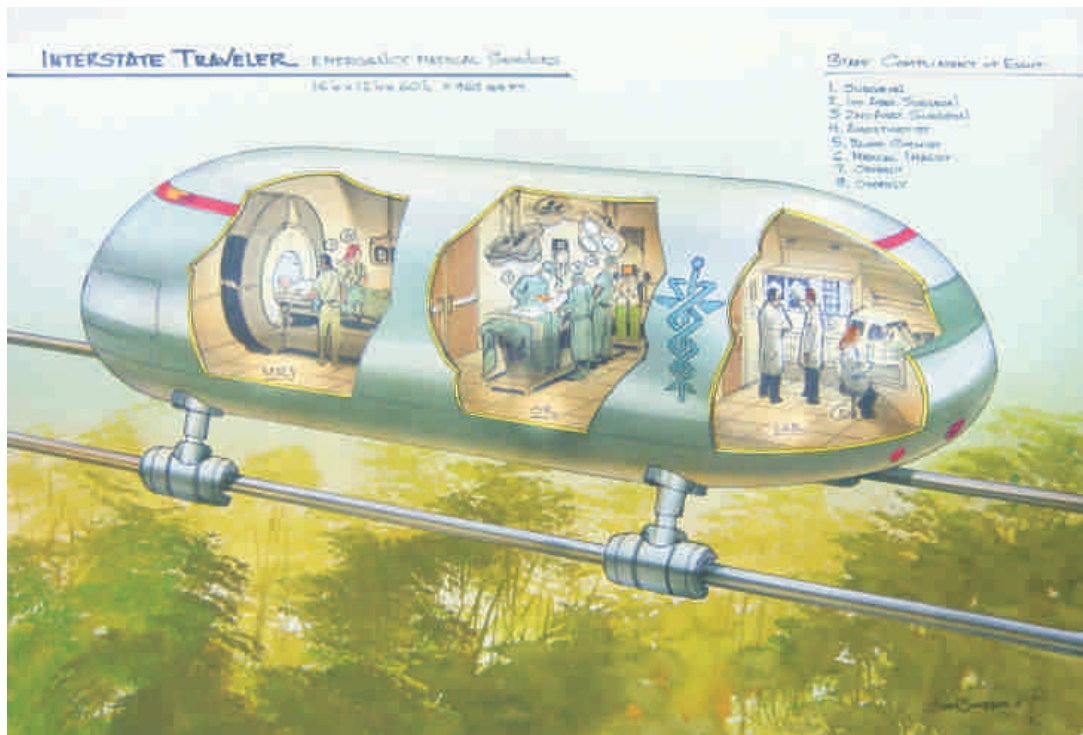
The tragic number of fatalities on American Highways is a harbinger of fate for highways all around the world.

With the Triage Traveler riding on the HSH, we will be there to help save lives.

According to government statistics, more than 35,000 people per year perish on our National Highways alone.

Many of whom could have been saved if they could have gotten to a hospital within that golden hour.

The Triage Traveler will be able to bring expert medical specialists to any Traveler Station on the network with staff and equipment and on a regular schedule.



Rapid Rescue

Quickly rescue injured people

We thank God for the people who dedicate their lives to become paramedics, doctors, fireman and policeman. These brilliant, brave and kind hearted people are who we count on to save us when we are in harms way in need of rescue from disaster.

Dedicated to those who answer your call for help, the Interstate Traveler Company will dedicate free access and operation to Paramedical Units like the Triage Traveler.

Many car accidents result in a large number of wounded and often outnumber the first responders 2 and 3 to one. The Triage Traveler will bring a staff of medical professionals to the scene of an emergency to lend much needed support and provide high speed delivery of the critically injured to the nearest hospital or to the closest Traveler Station for transfer to a waiting ambulance.



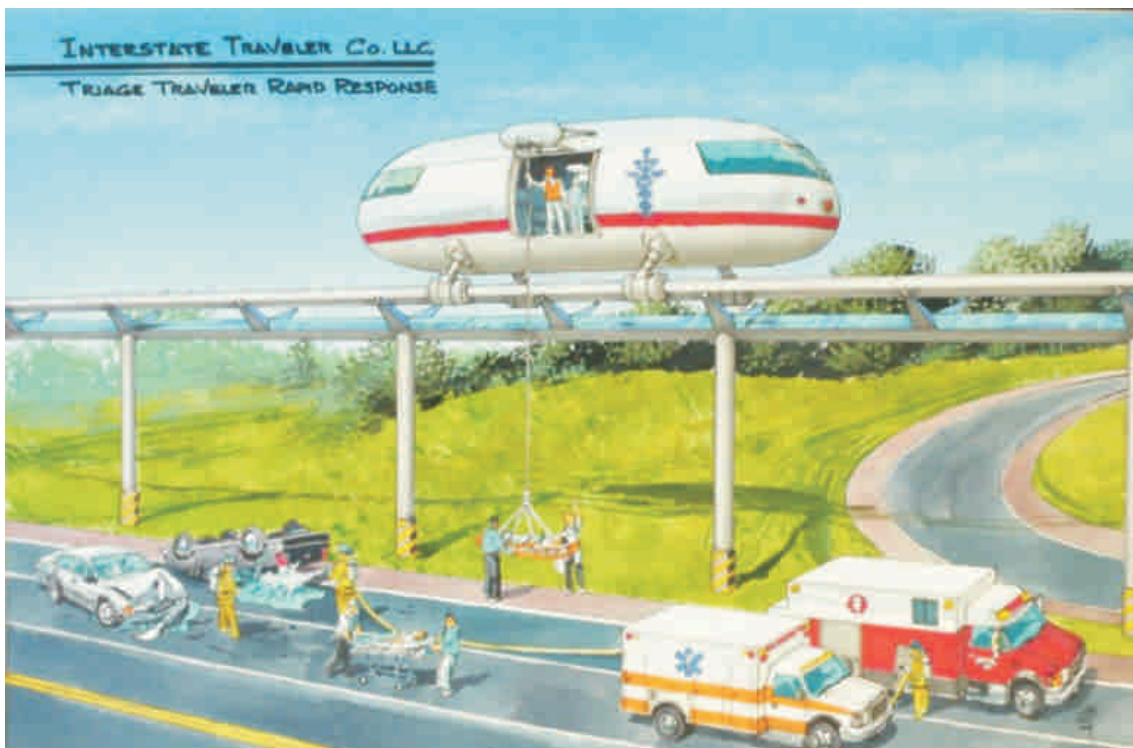
Triage

Surgery

Medicine

Haz-mat

EMS





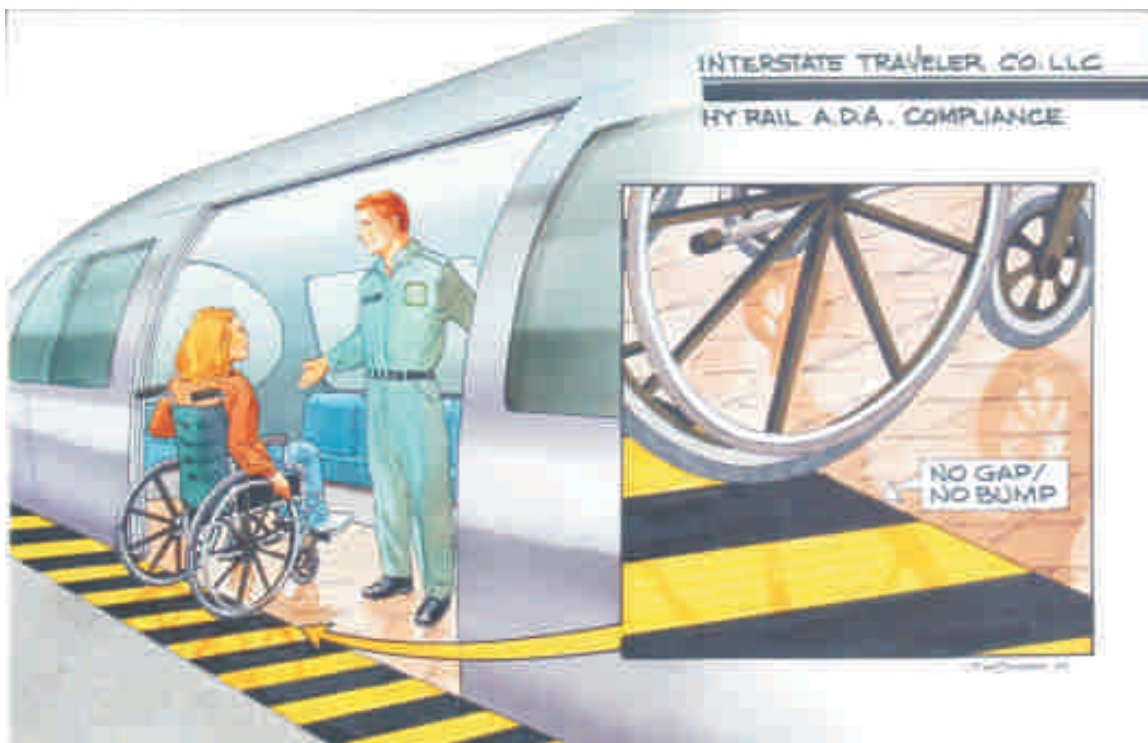
Wide Doors - Open Spaces

Some of the greatest benefits of the Hydrogen Super Highway are the enormously wide entry doors with huge open spaces and a zero-gap threshold that makes egress with wheel chairs, canes, crutches, walkers, baby strollers and even high heeled shoes practically seamless.



Since the creation of the Americans with Disabilities Act public infrastructure was renewed for the betterment of all people, with or without the need for ramp or hand rail. We are proud of our ability to exceed the current ADA requirements making sure everyone has equal access.

On the HSH, a Traveler will always be at ease and relax in confidence that a Concierge is there to aid and assist you if you need directions, help with your bags, or in case of a medical emergency.



ADA

Compliant

Secure

Reliable

Comfortable

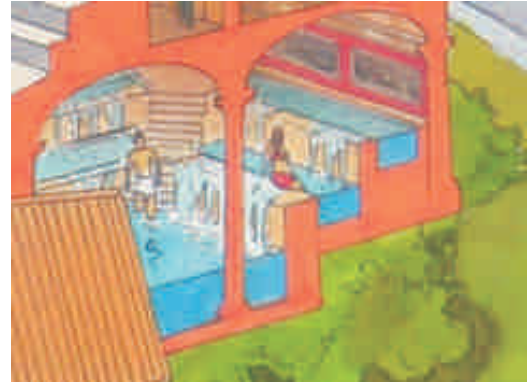
Accessible



Civic Centers

With the HSH, the clear waters will flow around the clock.

Reaching back to the great architects of the Bath House, the Public Forum and concepts of a public market area of many small shops, we present this integration of the best of the best.



Worldly

Rest and Refreshment

Local Flavor

At the Civic Centers visitors will enjoy the greatest facilities in the world having a Clean, Healthy, Happy and Worldly experience.

Community

Concerts

The Civic Center is a perfect integration of hospitality and entertainment. With a constant flow of pure water, we will be able to support state of the art public pools, saunas, mineral baths and centers for the finest culinary arts. Each will help create jobs in the massage therapy, physical training, inspired Master Chefs of culinary arts and live entertainment.

Shops

Spas

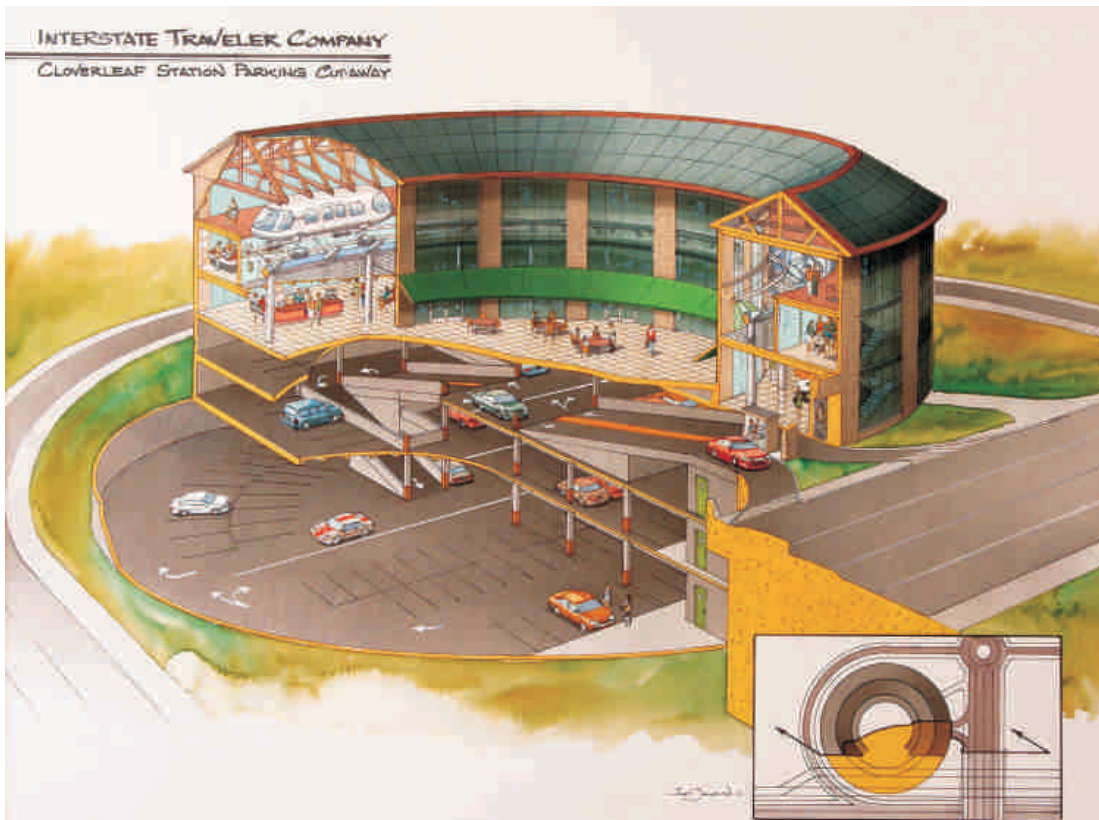
Whether you want a hot mineral bath, or a cool lap in the pool... You are just a few minutes down the rail to paradise.



The Traveler Station

Key to the success of any public transit system is access.

The Traveler Stations can ensure maximum access points for ease of entry and exit to the HSH system. Traveler Stations will enable ease of access, parking, and amenities that will rival any 'public transit stop' in the world in form and function.



Everywhere





Solar - Hydrogen Cycle

As our world turns into the light each and every day, so stands the Hydrogen Super Highway to receive the light from the rays of the sun and put it to good use serving millions of travelers around the world.

Bridging the gap of time and distance with municipal scale utility systems, the HSH enables the world to grow into the green economy.

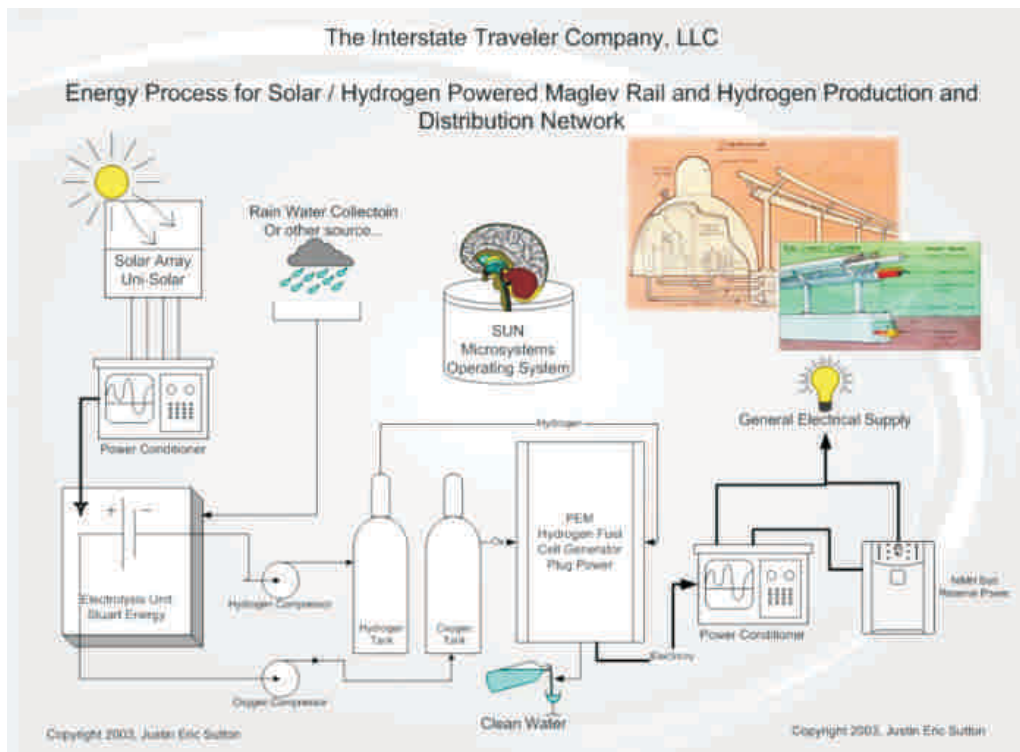
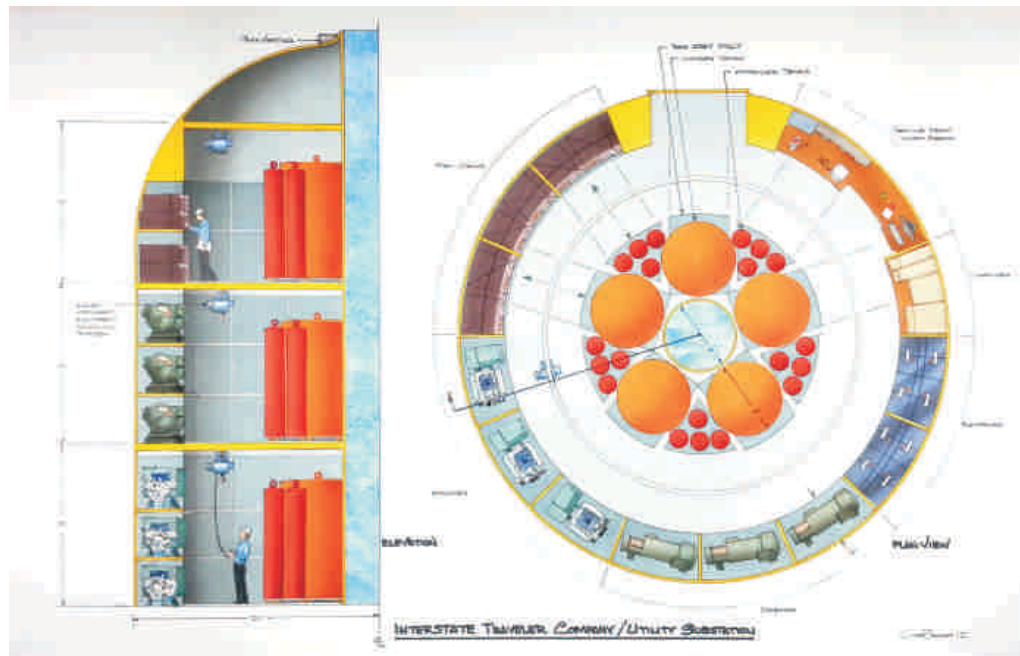


Endless Water

Endless H2

H2 Plasma

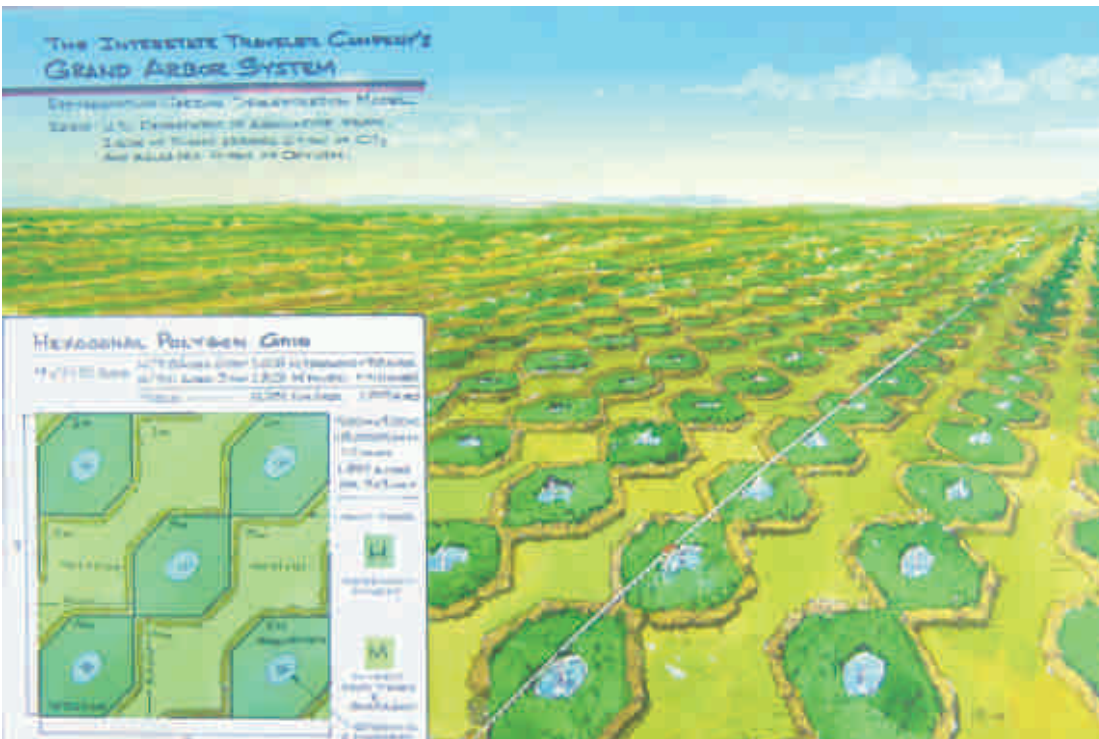
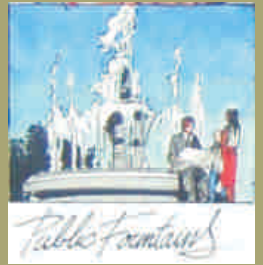
High
Capacity
Energy
Storage
and
Distribution



The Desert Blooms

Sustainable Agriculture

The ability of the Hydrogen Super Highway to process large volumes of sea water, waste water and sewerage directly enables the support of massive industrial scale hydroponic and aeroponic grow systems for food production that will exceed traditional agricultural methods, bring 'food security' to developing nations and meet the needs of future population growth all around the world. As we look into the future, this may be our most important capacity; we all wake up hungry and thirsty.



Water

Agriculture

Sanitation

Hydroponics

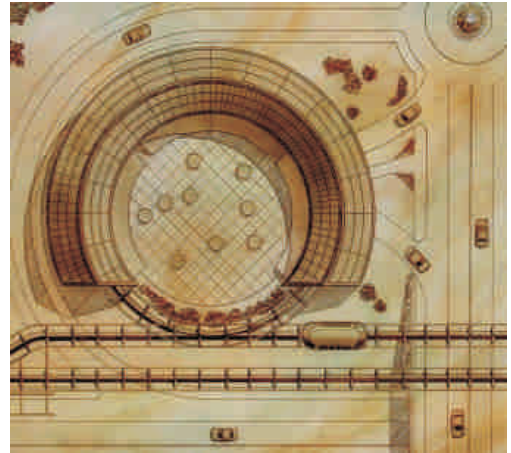
Aeroponics



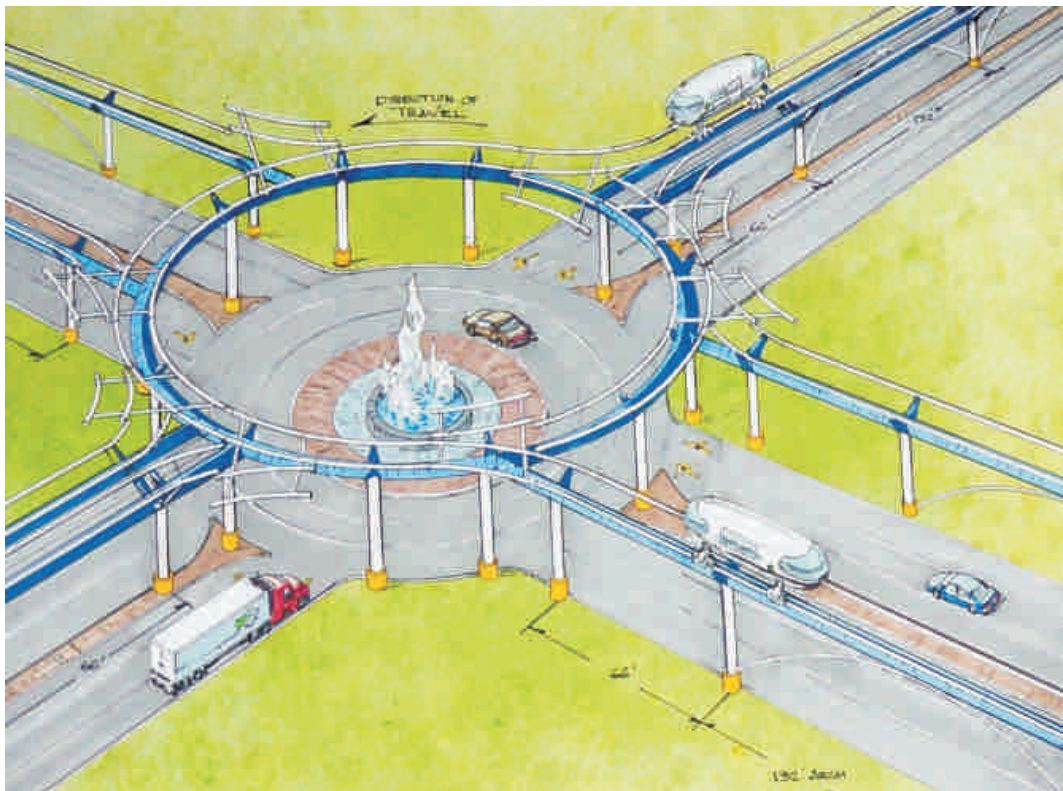
Round-About

The safest way to handle roadway intersections.

Looking forward to safer roads and the replacement of typical road way intersections where traffic lights direct the flow of traffic in an unreliable and inefficient manner, the Round-About is becoming more prevalent. Studies have shown that traffic lights waste time and fuel and create a false sense of security that leads to fatal car accidents by the thousands.



The Hydrogen Super Highway is a natural fit for all Round-Abouts large and small and will safely transition maglev transports to and from intersecting rail networks safely and with quickness.



Fast

Efficient

Safe



Optimize Utility Corridors



It has been said for many years that no new highways will be built in America. Well, that may be true, but with the HSH the existing electrical energy “highways” of high-voltage hi-tension lines can be upgraded to move more than just electricity.

Our continents are criss-crossed by thousands of miles of high-tension lines. With the HSH the utility companies that own those lines can reap the benefits from recycling all that bulk metal and reap the benefits of building commercial roads, condos and businesses where they could not exist before...

Even Rail Roads will also be able to reap the benefits. The hundreds of thousands of miles of Rail Road rights of way can be quickly upgraded without disturbing the existing heavy rail system that is in place. With the Highways, the High-Tension line corridors, and the Rail Road rights of way all coming on-line together, the greater number of people will be employed and enjoy the best new thing for generations to come.



Recycle

Reuse

Recuperate

Reinvigorate

New Roads

New Highways

New Villages

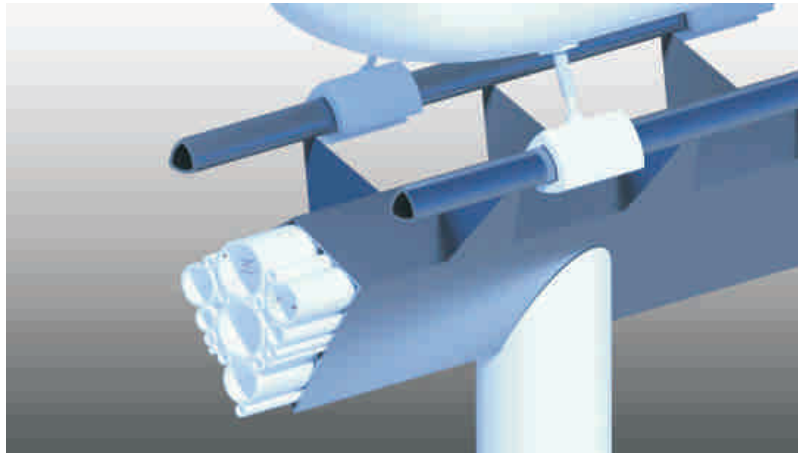
New Cities





Structural Rail Geometry

Huge Load Capacity ... Exceeding 100 Tons

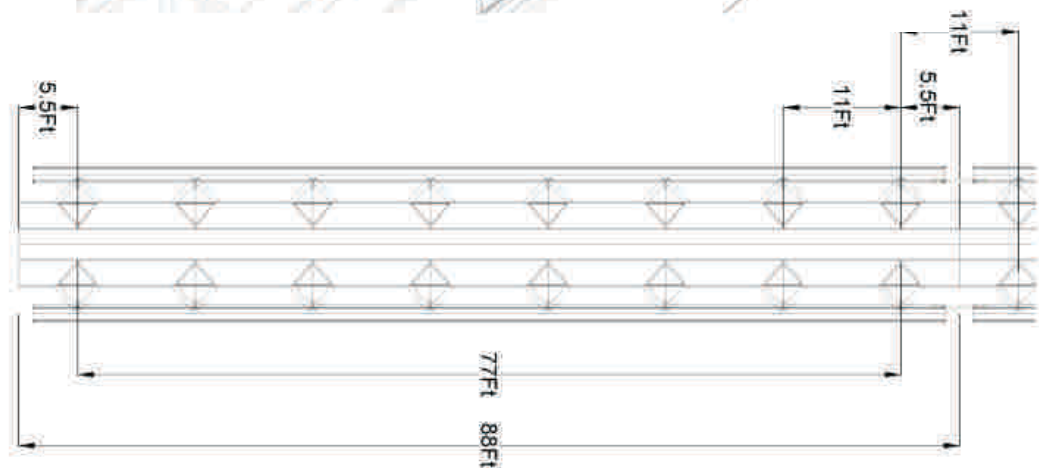
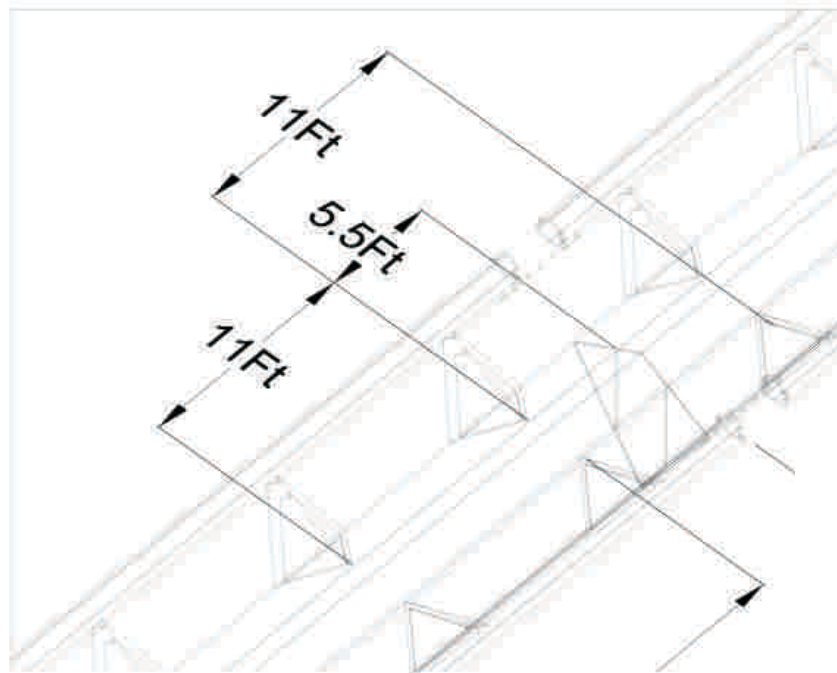


CAD

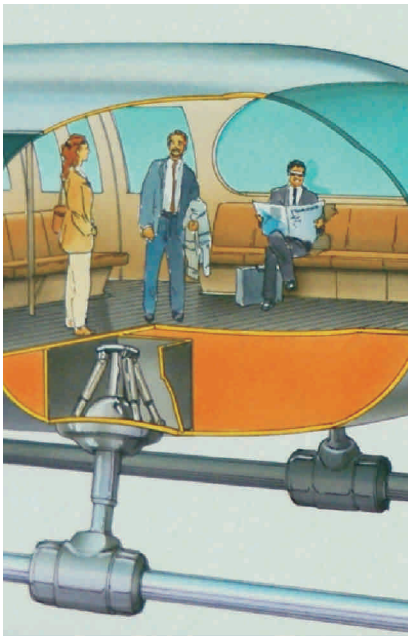
CAM

FEA

FMA



Dynamic Suspension



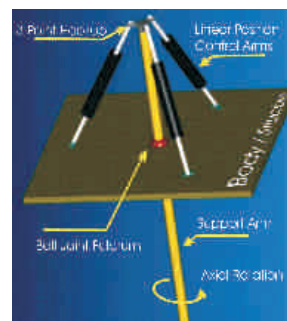
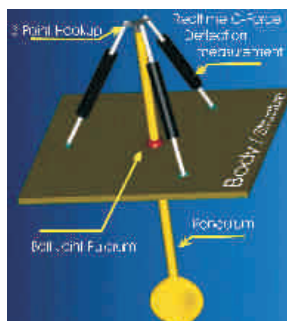
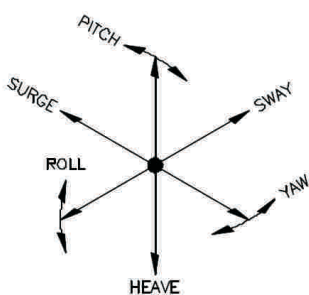
The great and uniquely successful attribute of the Hydrogen Super Highway is G-Force mitigation made possible by our unique ball-joint cantilever suspension system.

Using realtime kinematic feedback from a pendulum or solid state accelerometers, the HSH Transport suspension system can feel the G-Forces from speeding up, slowing down and banking on curves to automatically adjust the three dimensional attitude of the transport keeping the forces perpendicular to the floor.

When it comes to transit rail technology...
...the HSH will keep you upright.

G-Force
Mitigation

Automatic
Pitch
Control





Magnetic Levitation

The unique and practical application of radially arranged magnetic fields enables the most versatile maglev transportation system possible hosting motors of almost any size and combination.

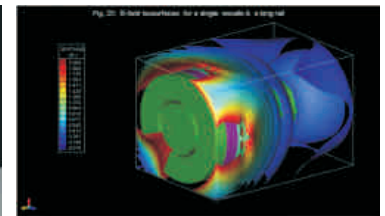
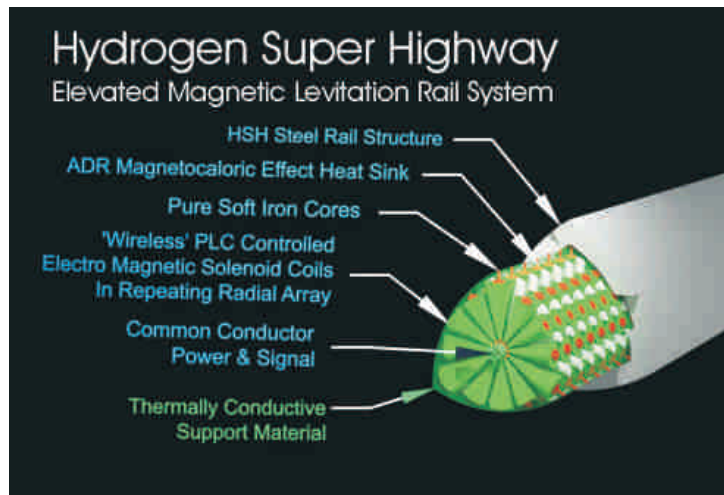
Whether your transport has two motors, six motors or even twelve, or you own a fleet of 500 freight transports the rail will efficiently optimize any number of motors on any number of vehicles and save you real money.

Powerful

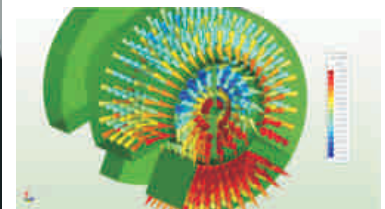
Versatile

Efficient

Quiet



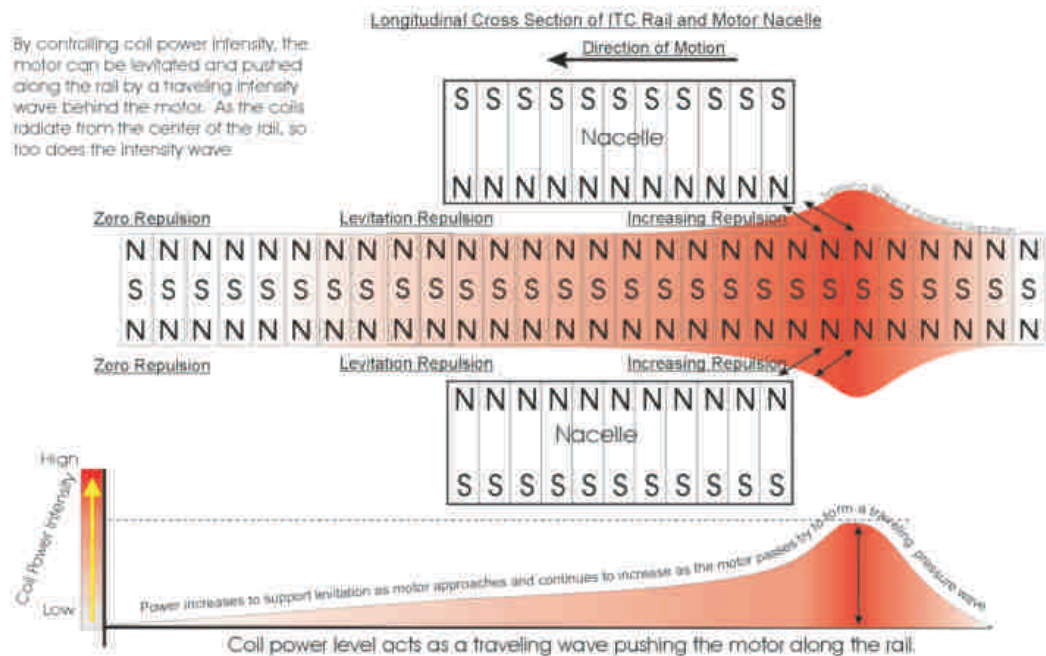
FEA Virtual Load Testing



Interstate Traveler Linear Motor and Levitation Coil Arrangement

Traveling Wave Linear Propulsion

(One of several methods to employ the ITC Rail Coil Arrangement to provide levitation and position control)



Rapid Installation

From bedrock to soft soil, the HSH Installation Crane can set up stanchions fast. Using the stanchion poles themselves as giant drill bits we literally can drill our supports directly into bedrock.

With our logistics predicting a combined output of more than 2,000 sections of rail per day when considering the production of 12 factories working together in America resulting in rapid system installation capability and minimal disturbance of the surroundings during the installation process.



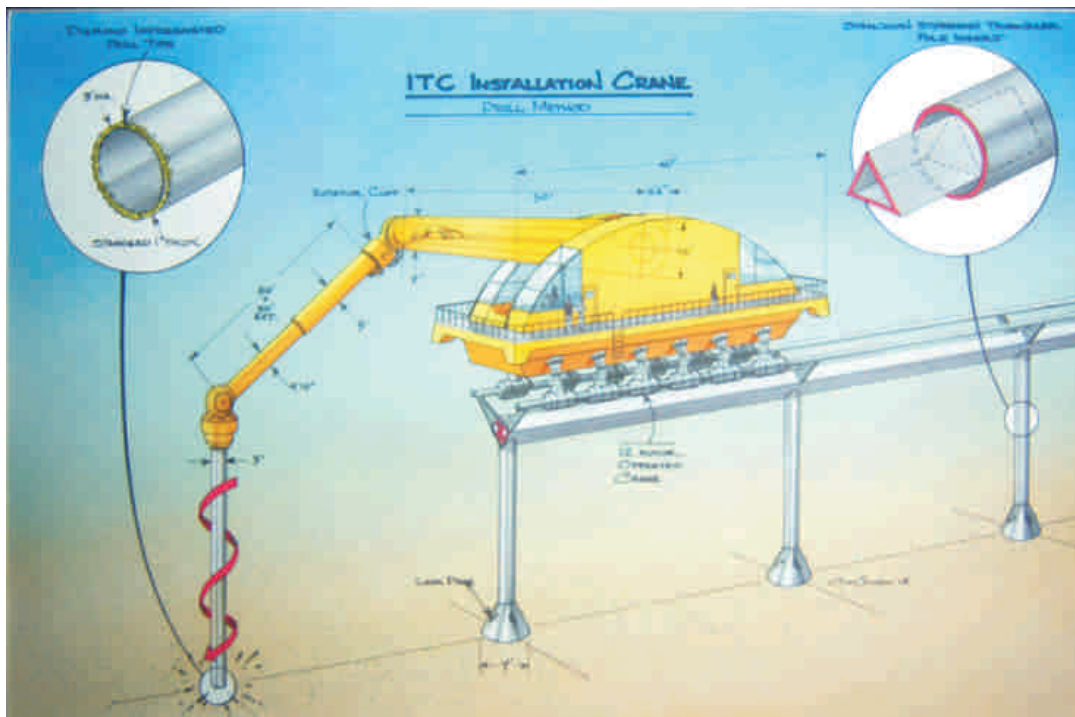
Fast

Automated
Installation

Any Time

Any Where

With the ability of multiple Rapid Installation Cranes working, the rapid pace of installation ensures an efficient and growing network to serve the needs of people and industry.





Containerized Freight

The integration with Port Security is clear to see with the fast and simple container transports. As the HSH network expands, so will the access points for Containerized Freight.



Secure

Fast

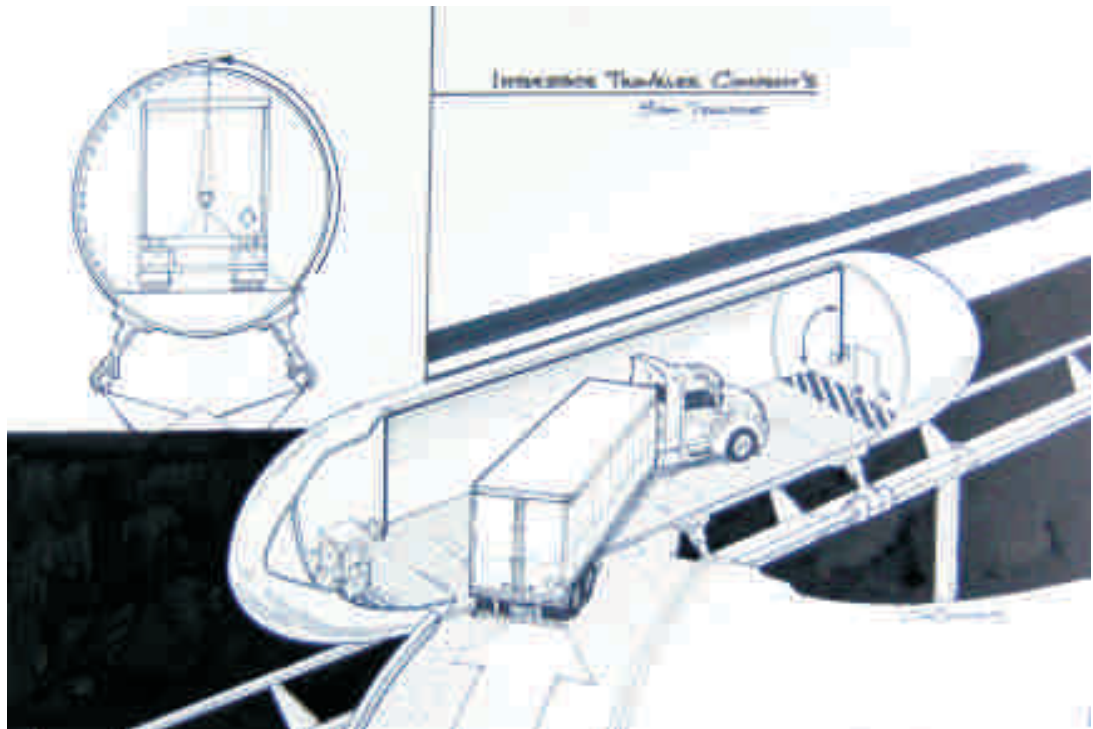
Easy to Use

Stable

Reduced Risk

One step above containerized freight will be the closed shell flat bed, just big enough to load an 18 wheeler, Tractor and all. You will be able to send your Driver, your Truck and your Freight to any place in the Country without the worries of traffic jams or bad weather.

Traditional freight haulers, air cargo, heavy rail hubs and sea ports will all be linked together creating an even greater national distribution network from Port, to Hub, to Factory to Consumer accelerating our economy globally



Ten Primary Deliverables



Rapid Transit	= \$ /minute
Advertising	= \$ /sign
Hydrogen	= \$ /kilogram
Electricity	= \$ /kilowatt
Energy Storage	= \$ /kilowatt
Fiberoptics	= \$ /bandwidth
Fuel pipelines	= \$ /gallon or Ft ³
Liquid waste	= \$ /barrel
Brand New Water	= \$ /liter
Internet / Telecom	= \$ /minute

Regional Economic Development

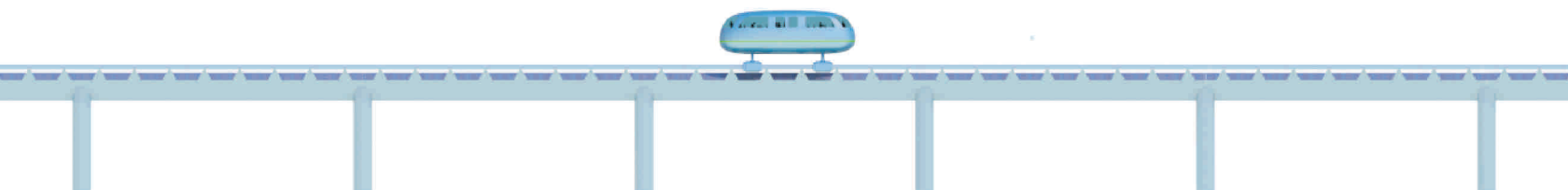
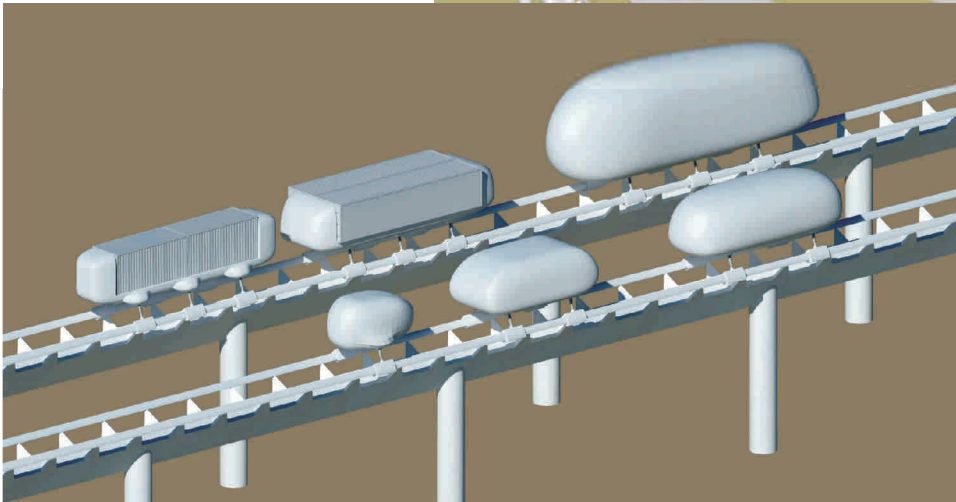
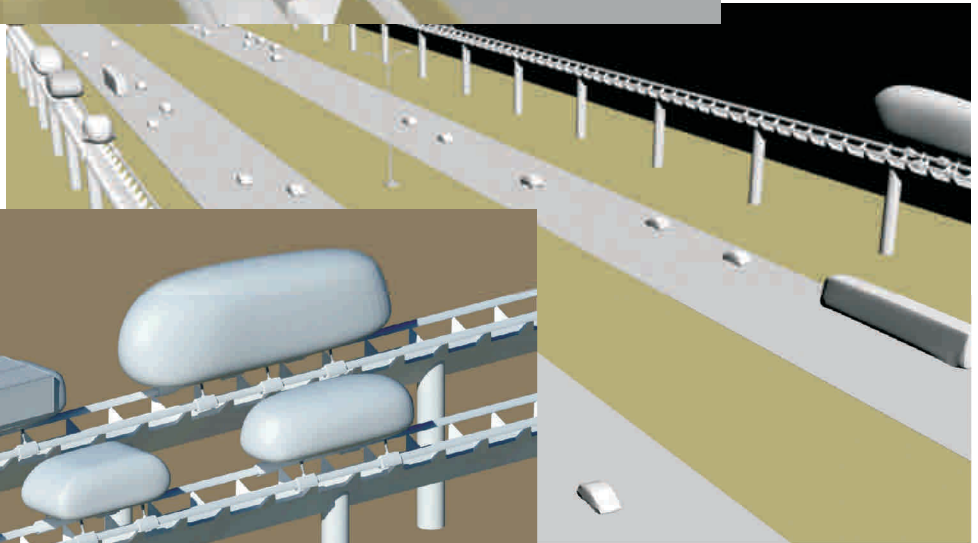
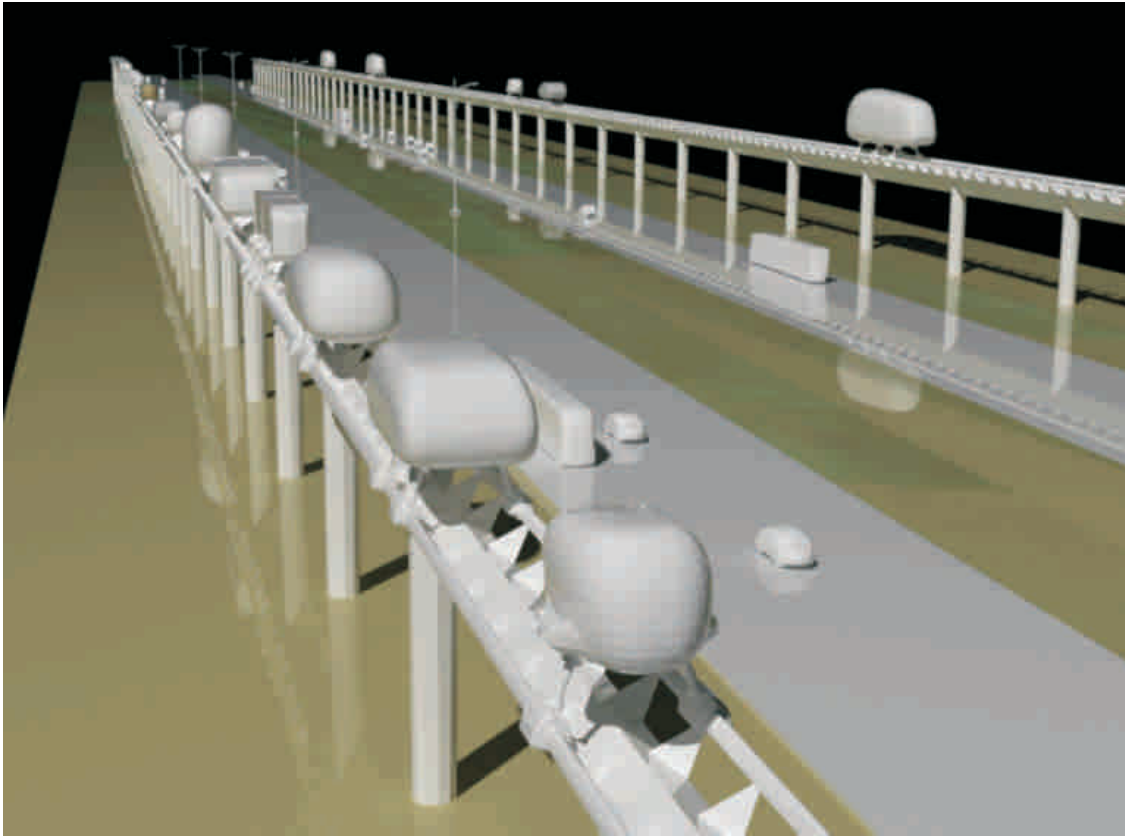
Long term employment from construction and operations of our rail system will lead to sustained regional economic development as well as stabilization of property values.

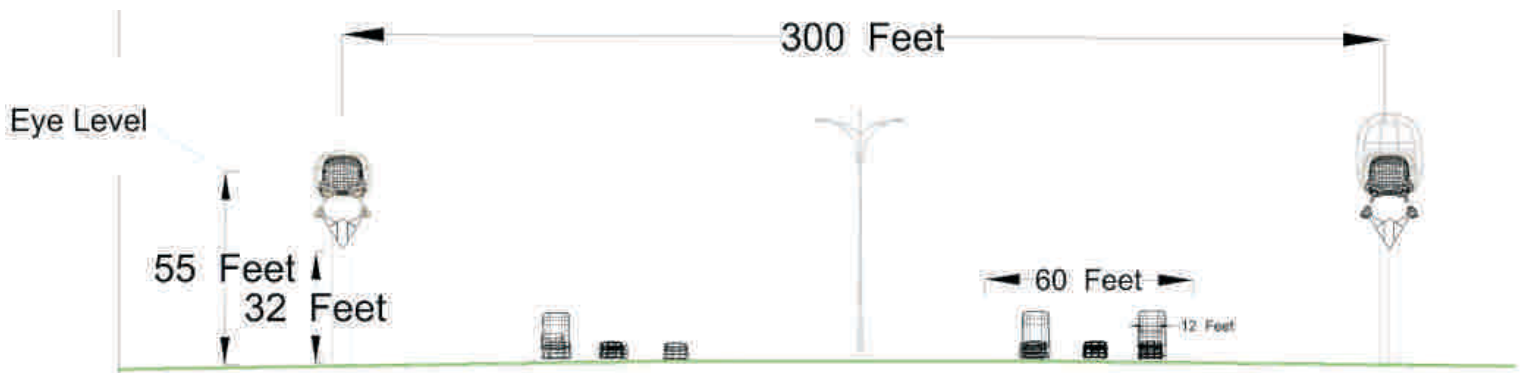
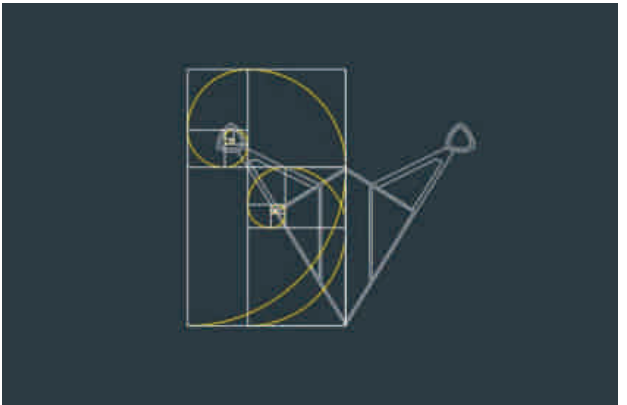
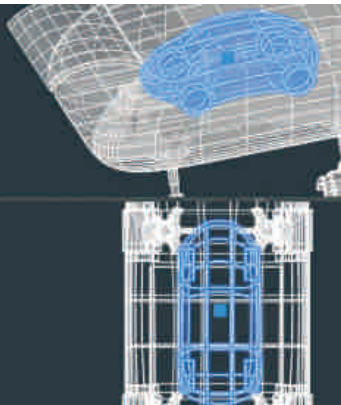
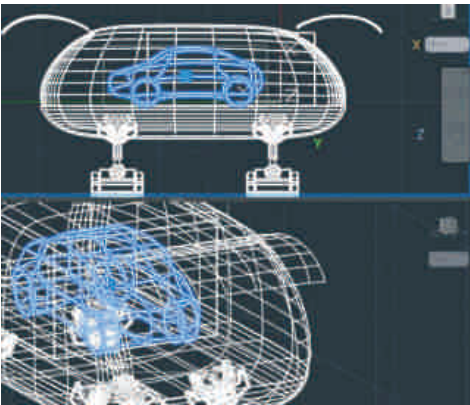
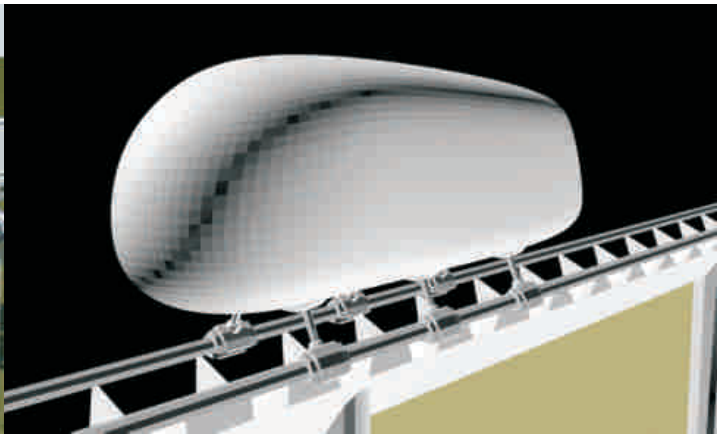
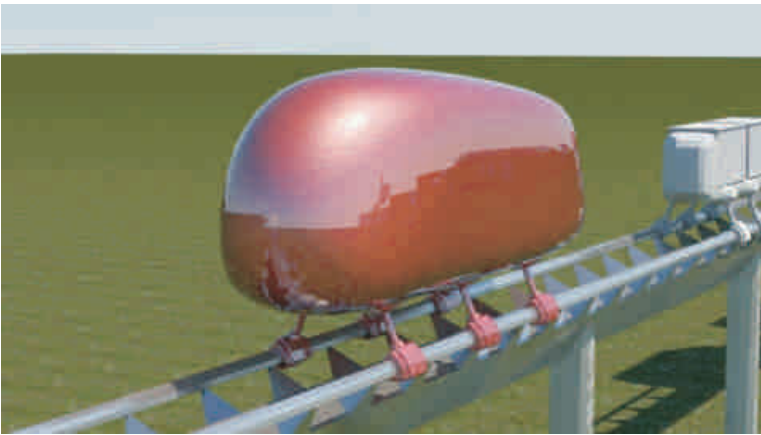
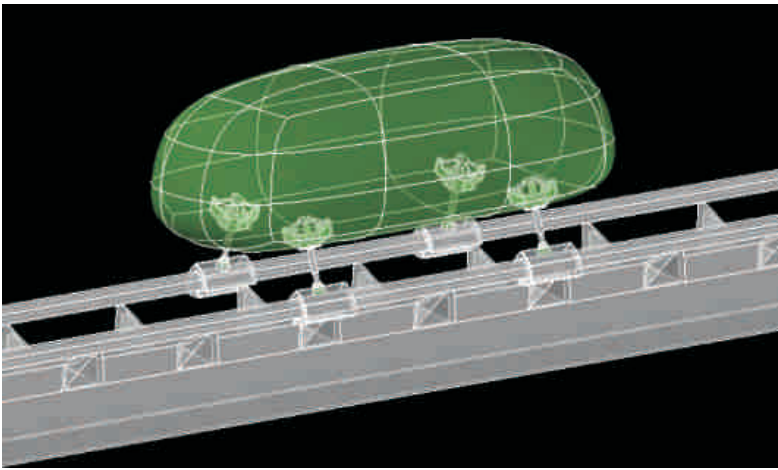
The increase in local land values may exceed 200% in some locations and in some places much more.

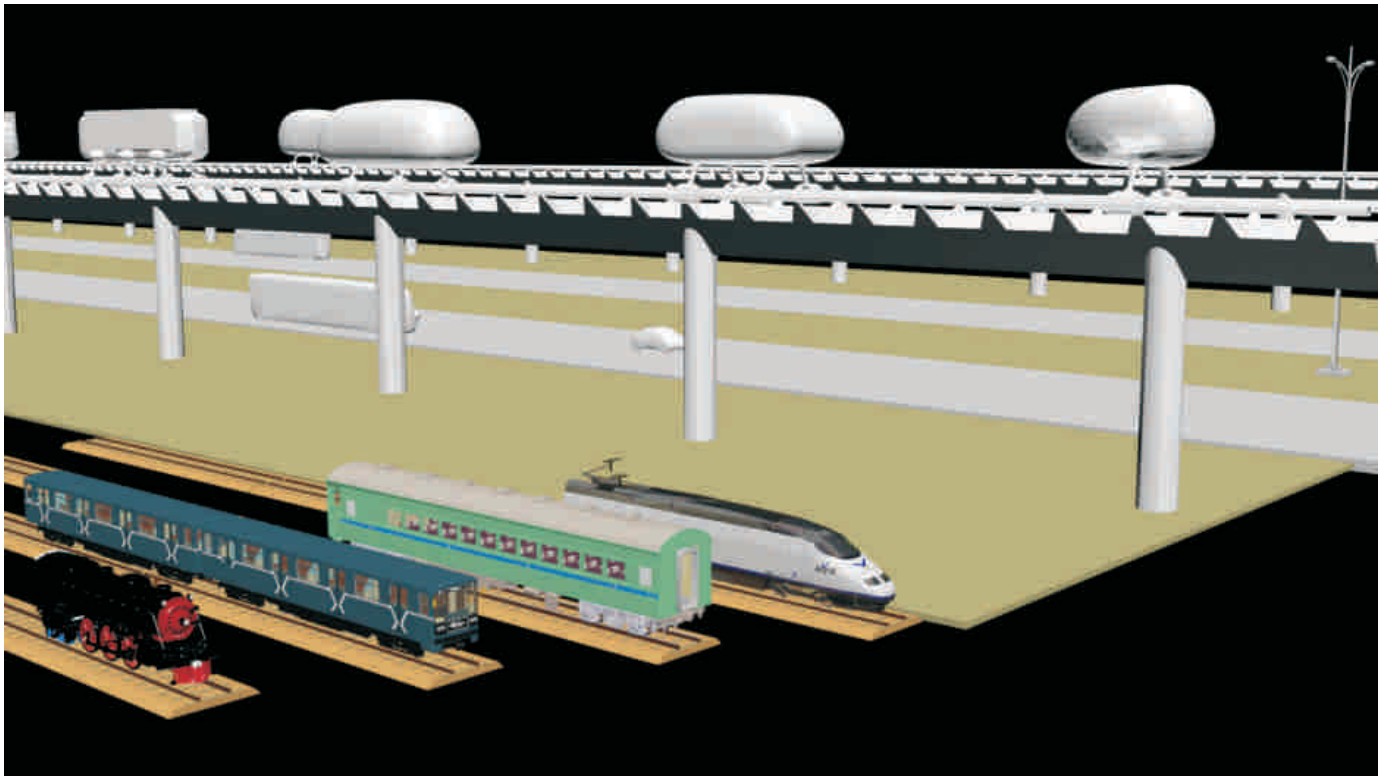
The presence of reliable transportation and infrastructure that is resilient to earthquakes will attract greater 3rd party investment.



The Interstate Highway Network







HYDROGEN SUPER HIGHWAY

THE INTERSTATE TRAVELER COMPANY, LLC

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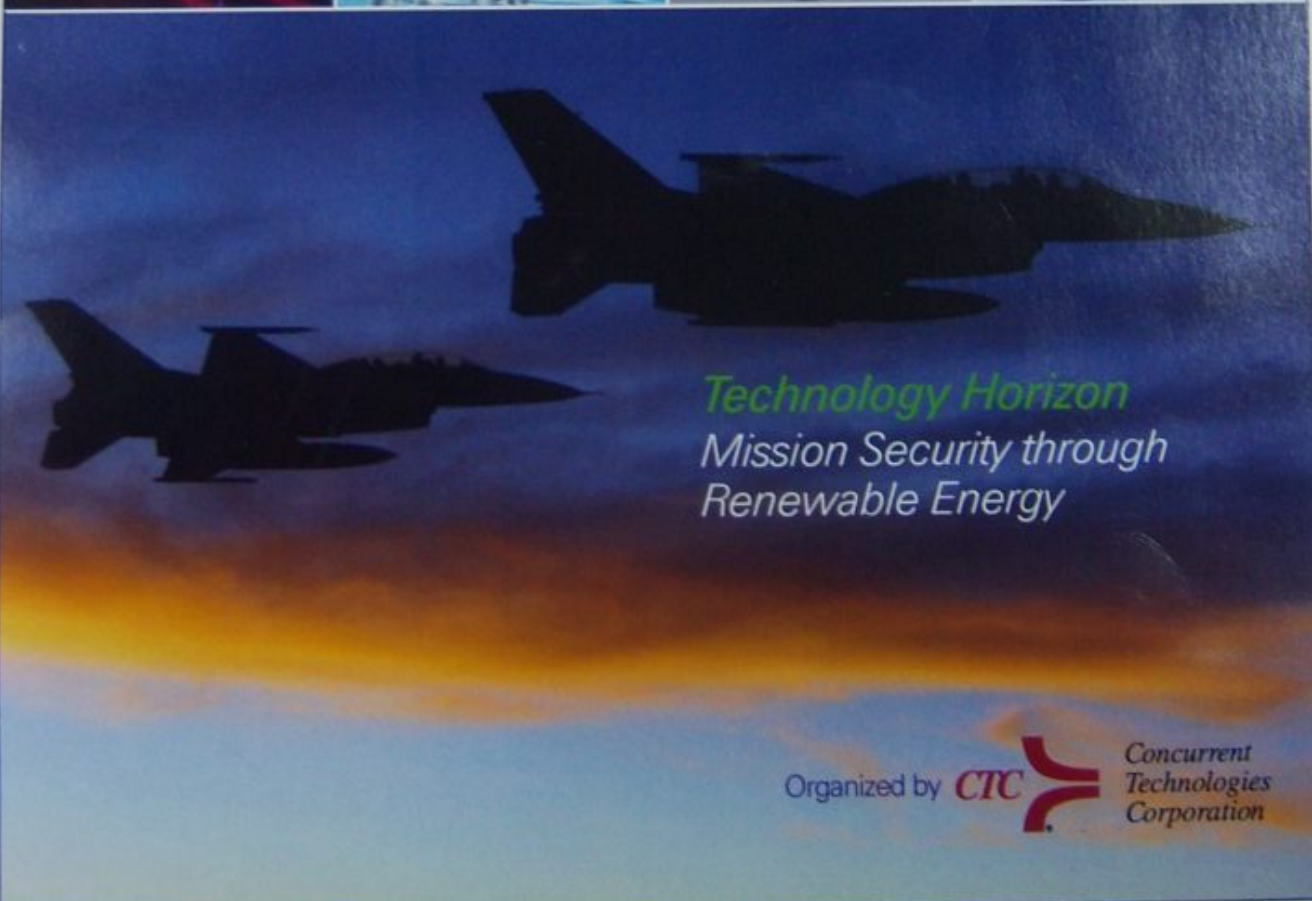
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5th Annual Alternative Energy **NOW**

February 23-24, 2011

Shades of Green Resort, Lake Buena Vista, Florida



Technology Horizon
Mission Security through
Renewable Energy

Organized by **CTC**  Concurrent Technologies Corporation

Wednesday, February 23, 2011

7:00 AM	ENTRANCE HALL – Registration/Continental Breakfast	
	GENERAL SESSION	
8:00 AM	Administrative Announcements Mr. Mark Ray, Concurrent Technologies Corporation (CTC)	
8:05 AM	Welcoming Remarks AFRL and APTO Transition Mr. Tom Naguy US Air Force Research Laboratory (AFRL)	
8:35 AM	Keynote Address Dr. Kevin Geiss Office of the Assistant Secretary of the Air Force for Installations, Environment and Logistics	
9:00 AM	Panel Session TBD	
10:00 AM	Break	
	CONCURRENT SESSIONS	
	BREAKOUT SESSION 1	
10:30 AM	Distributed Wind Energy Systems Ms. Gabriele Whyard, Southwest Windpower LLC Mr. Mark Wixted, PE, Southwest Windpower LLC	USAF Synthetic Fuel Certification Status Ms. Laura Patzer, Alternative Fuels Certification Office (AFCO)
11:00 AM	Update on the Transportable Plasma Resource Recovery System Project at Hurlburt Field Mr. George "Ron" Omley, PE, US Air Force Special Operations Command (AFSOC) Ms. Gillian Holcroft, Pyrogenesis Inc.	Potential Impact of Synthetic Paraffinic Kerosene Fuels on Emissions from the United States Air Force Air Mobility Command 2LT Nicholas Carter, MIT Partner
11:30 AM	Renewable Energy Demonstration Project at Hurlburt Field, FL Mr. Dave Robau, Air Force Special Operations Command (AFSOC)	Aviation Alternative Fuels: Commercial Perspective Mr. John Heimlich, Air Transport Association (ATA)
12:00 Noon	Lunch	
1:00 PM	CPV Projects – Installs and Performance Mr. Mark Galiser, Encore	Beyond SPK and HRJ – Aviation Biofuels on the Horizon Mr. Robert Allen, Air Force Research Laboratory/Fuels and Energy Branch (AFRL/RZPF)
1:30 PM	Integration of Algae Photobioreactor System with Coal Fired Power Plant Dr. Sukh Sidhu, University of Dayton Research Institute (UDRI) Dr. Moshan Kahandawala, University of Dayton Research Institute (UDRI)	Bio-Jet Fuel Impact on Combustion Characteristics and Hot Section Materials of Gas Turbine Engines Mr. Nader Rizk, Rolls-Royce
2:00 PM	The Effects of Wind Turbines on Air Traffic Control Radar Mr. Christopher Lute, Concurrent Technologies Corporation (CTC)	The Assured Aerospace Fuels Research Facility in Operation Dr. Heinz J. Robota, University of Dayton Research Institute (UDRI)
2:30 PM	Low-Energy Concentration and Dewatering of Microalgae for Fuels, Products and Remediation Mr. Ross Youngs, Algaeventure Systems	"Drop-In" Redi Jet™ and Redi Diesel™ Fuels from Renewable Oils Mr. Edward Coppola, Applied Research Associates, Inc. (ARA) Mr. J. Steven Baxley, Applied Research Associates, Inc. (ARA)
3:00 PM	Break	
3:15 PM	Enhance Facility Energy Management at Naval Expeditionary Base Camp Lemonnier, Djibouti Mr. Dave Chavez, Naval Facilities (NAVFAC) Engineering Service Center	Renewable Jet Fuel Blendstock Derived from Fermented Isobutanol Dr. Joshua Taylor, Gevo, Inc.
3:45 PM	Overall Energy Considerations for Algae Species Comparison and Selection in Algae-to-Fuels Processes Dr. Dirk Link, US Department of Energy / National Energy Technology Laboratory (DOE/NETL) Ms. Amalie Tuerk, Penn State University	Amyris Renewable Diesel and Jet Fuels Dr. Kinkead Relling, Amyris
4:15 PM	A Community Approach to Creating a Waste-to-Energy Enhanced Use Lease, Hill AFB, Utah The Honorable William C. Anderson, Pegasus Capital Advisors Ms. Mary A. Engles, Hill Air Force Base	Alternative Fuels for the USAF: Economic and Financial Realities Mr. Roger Bazdek, Management Information Services, Inc.
4:45 PM	Adjourn	
5:00 – 6:30 PM	Networking Social	

Thursday, February 24, 2011

ENTRANCE HALL – Registration/Continental Breakfast	
CONCURRENT SESSIONS	
BREAKOUT SESSION 1	
7:00 AM	
8:00 AM	Advances in Microbial Mitigation of Aviation Fuels Dr. Oscar Ruiz, Air Force Research Laboratory (AFRL)
8:30 AM	US Department of Energy Hydrogen and Fuel Cell Technologies Program - DOD Collaboration and Deployments Mr. John H. Christensen, PE, Consultant
9:00 AM	TURNW2E Gasification for Practical Base Integration and FOB Support of WTE for the US Air Force Ms. Renee Comly, Biomass Energy Systems, Inc. (BESI)
9:30 AM	The B&W mPower Reactor, a Practical, Scalable, Modular Advanced Light Water Reactor Mr. John Ferrara, PE, Babcock & Wilcox
10:00 AM	Break
10:30 AM	Large Scale Sustainable Hydrogen Infrastructure Integration with Elevated Magnetic Levitation Rail Networks Mr. Justin Sutton, Interstate Traveler Company
11:00 AM	Critical Mission Support Through Energy Security: Development of an Army Energy Security Assessment Model Mr. Scott McClucas, Concurrent Technologies Corporation (CTC)
11:30 AM	The Utilization of Phase Change Materials to Reduce Energy Consumption in DoD Structures Dr. Ragab Moheisen, Applied Research Associates, Inc. (ARA)
12:00 PM	Lunch
1:00 PM	Mobile Plasma Waste to Energy System Dr. Marco Fiorello, Sullivan International Group
1:30 PM	Environmental Life Cycle Assessment of Coal-Biomass to Liquid Jet Fuel Compared to Petroleum-Derived JP-8 Jet Fuel Captain Wayne Kinsel, HQ Air Force Materiel Command, A67-Communications, Installations and Mission Support
2:00 PM	The "Sprindrift Energy" Ocean Wave Energy Device Mr. Brian Moffat, Sprindrift Energy
2:30 PM	Nano-Particle Aluminum-Water Reaction: Potential Hydrogen Generation for Fuel Cells Mr. Nick Tastad, Sprindrift Energy
3:00 PM	Climate and Energy Policy Regulations - Drivers for Action Mr. Michael McCann, Esquire, Concurrent Technologies Corporation
3:30 PM	Viable Algae-to-Oil Processing Mr. Mike Werst, University of Texas
4:00 pm	Wrap-up/Adjourn
BREAKOUT SESSION 2	
	Intelligent Power Controller for Microgrid Applications Dr. Darrell Massie, PE, Intelligent Power & Energy Research Corporation (IPERC)
	Implementing Waste-to-Energy Technologies in the 21st Century Mr. Bruce Howie, PE, HDR Engineering, Inc.
	Middle-Distillate-Type Fuels from Alternative Resources; The Key to Reducing US Crude-Oil Imports Dr. Stephen Bergin, PE, VSE Corporation
	Renewable Hydrogen Program at Joint Base Pearl Harbor-Hickam Mr. Thomas Quinn, Hawaii Center for Advanced Transportation Technologies (HCATT)
	Development and Fabrication of High-Energy Li Battery Dr. Donghai Wang, Penn State University
	SOLAFLEX- Energy Storing Photovoltaics for UAV and "Misty/Potable" Applications Mr. Henry Lomasney, Sandia Solar Technology
	New Research in Full Performance Jet and Diesel Biofuels from Algae and Seaweed Dr. Michael Wright, Naval Air Warfare Center Weapons Division (NAWCWD)
	Advanced Electric Vehicles Mr. John Mullins, Enova Systems
	TBD
	Hydrogen Energy Storage Concept to Enable Flexible Hybrid Power Systems (Lundberg) Operating Bases Mr. Stephen Szymanski, Proton Energy Systems
	Renewable Energy Solutions for US Military Bases Mr. Rich Perlman, Alliant Techsystems, Inc. (ATK) Mr. Chuck Alford, Cyr Consulting, Inc. (CCI)
	SPIDERS and Army Installation-Scale Microgrid Overview Ms. Melanie Johnson, US Army Engineer Research and Development Center - Construction Engineering Research Laboratory (ERDC-CERL) Mr. Tarek Abdallah, US Army ERDC-CERL
	Novel Geothermal Heating and Cooling Technology Capable of Rapid Deployment Mr. Marc Portnoff, Thar Geothermal

Mr. Tom Naguy

United States Air Force

Air Force Research Laboratory (AFRL)

Presentation

**Welcoming Remarks
AFRL and APTO Transition*****Biography***

Mr. Tom Naguy is the Principle Program Manager and Lead for the Environmental and Energy Program as well as the Advanced Power and Technology Office (APTO) at the Air Force Research Laboratory (AFRL). Within his office, his group executes environmental programs focused on the reduction of use of hazardous materials and a reduction in the sustainment costs of weapon systems that use hazardous materials. Projects within his team include, but are not limited to, high-visibility efforts such as alternative energy technologies, laser paint removal, UV-curable coatings, chrome plating replacement technology, green house gases reduction efforts, and aircraft and runway de-icers. Mr. Naguy's expertise is in the area of materials and process engineering. In addition, Mr. Naguy is a member of the DoD Pollution Prevention R&D panel and the Strategic Environmental Research & Development Program's Technical Committees for Weapon Systems and Platforms and Energy and Water. He is also the lead Air Force technical representative to the National Defense Center for Energy and Environment (NDCEE).

Mr. Naguy earned a B.S. and an M.S. in Chemical Engineering. Professional military education includes the Air War College, National Defense University's National Security Course, Air Command & Staff College, and Squadron Officer School.

Mr. Justin Sutton

Founder and Managing Partner
Interstate Traveler Company
9594 Main
Whitmore Lake, MI 48189
Phone: 734-449-4480
Fax: 734-449-4486
Justin@InterstateTraveler.us

Presentation

Large Scale Sustainable Hydrogen Infrastructure Integration with Elevated Magnetic Levitation Rail Networks

The Interstate Traveler Company is a Michigan based infrastructure development company engaged in the research, development, fabrication, installation and maintenance of a unique solar powered plug and play infrastructure system of subsystems which integrate an elevated magnetic levitation transportation system with municipal conduit for signal cable, broadcast radio, fiber optics, electrical distribution along with a multitude of liquids, vapors and gases. This system dedicates a portion of the solar power to hydrogen production and distribution of sufficient size and scope to self sustain the system of systems and create a growing surplus of stored energy in the form of stored hydrogen as well as in other battery technologies. It employs the embedded conduit cluster and subsystems to operate and maintain a constant supply of Hydrogen, Oxygen and potable water along with all standard municipal services to all attached Traveler Stations and Utility Substations. The system is operated using a TCP/IP styled nested domain addressing electronic network operating system that will facilitate the routing and position control of multiple transports, record and control the gathering, dispensing and movement of materials, signals and energy in the conduit cluster and share real-time data to enable an expandable network of independent, interconnecting and interoperable rail networks. Further the network operating system will provide direct addressability and control of all valves, switches, meters, gauges, motors, monitors, cameras, kiosks, sensors, relays, regulators, interfaces, lights, locks, actuators, future subsystems and electronic databases. The operating system environment may allow for the real-time communication of redundant independent computers and computer programs that may host the operating system that may control all of the components used in the operation of the said system, allowing for the seamless expansion and reconfiguration the system in a "plug and play" fashion. Also, the operating system will include failover backup systems, data archiving, and the ability to compute, store and report values based on system activity, performance and integrity that may be used in ongoing performance analysis, enhancement and general accounting. Subsystems include water generation, water conditioning, solid waste processing and deconstruction using electrical plasma arc systems and hydrogen plasma systems along with high intensity spectral inundation for the destruction of biological and organic contaminants in water supplies. Finally, this system of systems is ideal for the USAF to achieve standardized methods for energy security and independence while providing resilient infrastructure for bulk hydrogen production and distribution for USAF installations worldwide.

Biography

Mr. Justin Sutton is the Founder and Managing Partner of the Interstate Traveler Company, LLC. A Patented Inventor since February 1995, he started his work on rebuilding America's public transit and energy grid system in March 1995 when he was inspired by the headlines of several news reports which asked the question: "Who will fix Amtrak?" At that time, Mr. Sutton jotted down his first twelve subcategories for the business plan which has since grown to include input from hundreds of people ultimately getting a final facelift from a group of five Executive MBA students from the University of Notre Dame. Starting with official recognition by the US Small Business Administration and several local bank executives in 2002, Mr. Sutton and his team won the endorsement of all but two of the

States Multi County Planning Organizations that led to the formal Resolutions from the Michigan House and Senate in 2003 which were both read in Congress. This was followed by official resolutions of support by the Greater Detroit Building and Construction Trades Council, the Michigan Chapter of the AFL-CIO and District 2 of the United Steel Workers of America. Working with the US Department of Commerce the first official trade delegation to China was completed in 2004 at the US Embassy in Beijing along with official communications with more than a dozen countries. In 2007 the Interstate Traveler was chosen as one of only ten US companies to be represented by the US DOC in Egypt at their national environmental conference in Cairo and in 2009 was invited by Senator Stabenow to a green energy business leader's round table at the US Capital.

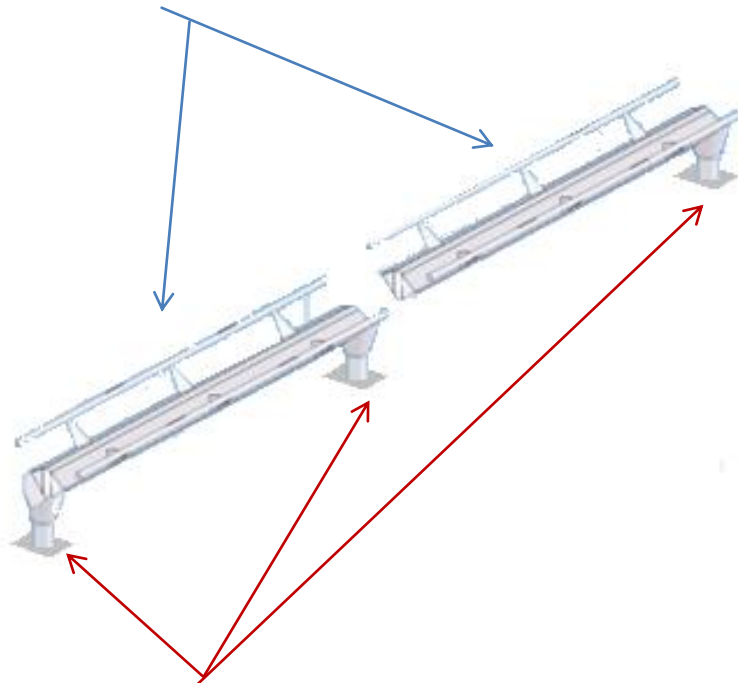
Scope of Work

1. Construction Blue Prints

- Scalable Manufacturing grade build plans (blueprints) for components described herein.

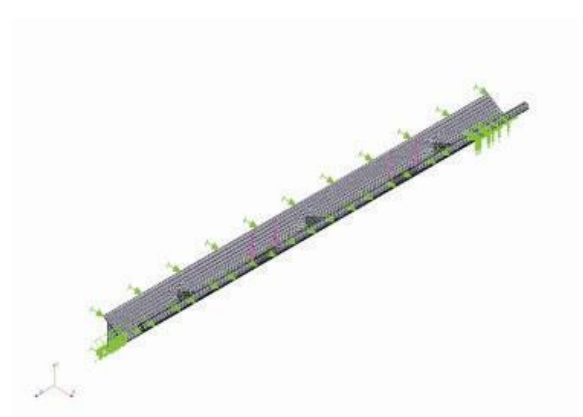
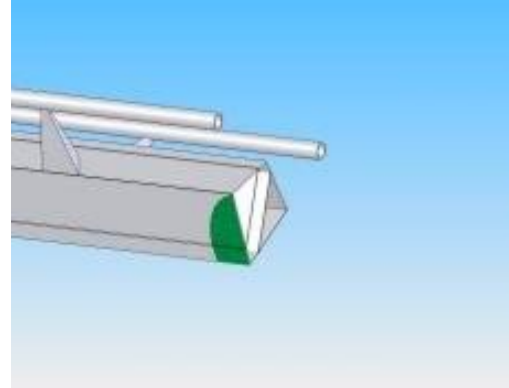
2. Guideway-of adequate scale model to demonstrate pertinent aspects and control

- **Box Beam Sections on Stanchions**



B. **With Stanchion Poles**

Adequate to demonstrate scaled version of the stanchion connections to box beam with plates for mounting to a substrate.



Finite Element Analysis on Rail Model

These four illustrations are an example of the structural load testing of the rail configuration. These four represent a test that yielded an 88,000 lbs. static load rate using four 48" long slotted linear motors with load placed directly between support arms. By changing the number of motors and frequency of the support arms, the load rate can be increased accordingly.

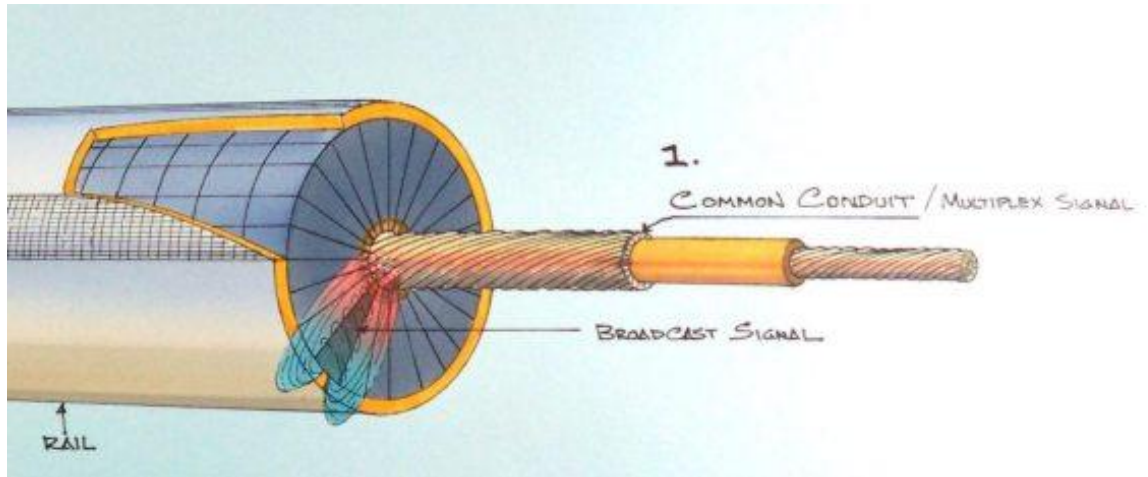
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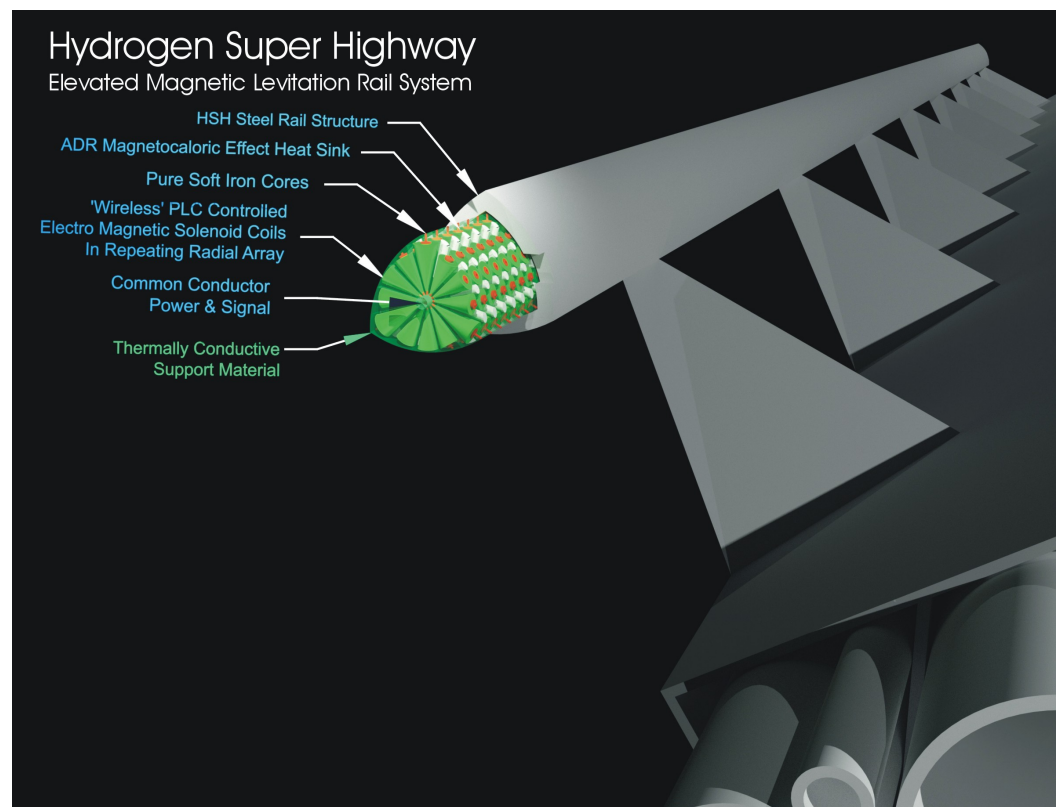
Property of Interstate Traveler Company, LLC All Rights Reserved

C. Rail with “Magnet Packed” Coil arrangement

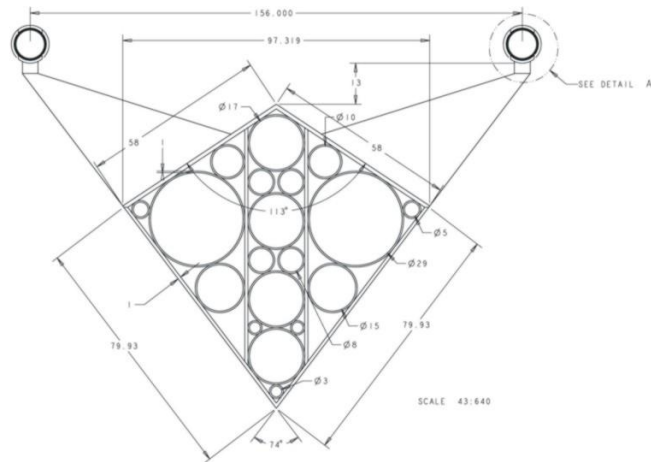
- Includes control software sufficient to test lift capabilities, as well as forward, reverse and stop control capabilities.



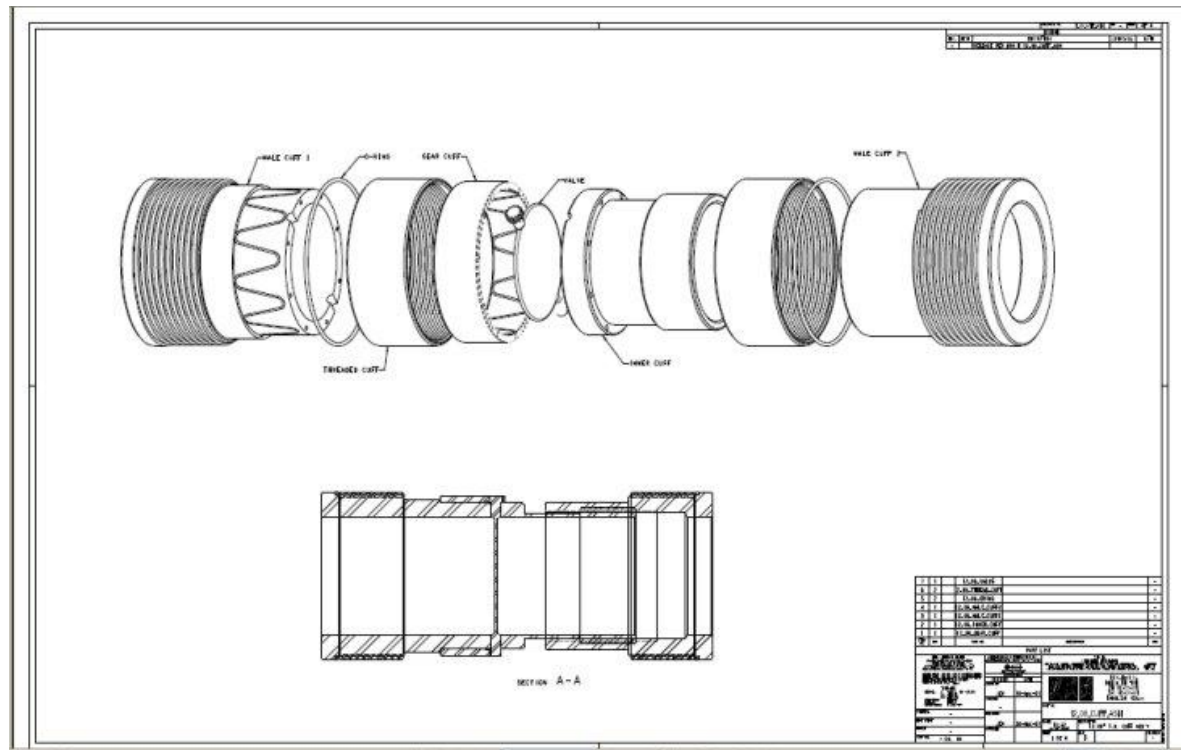
HSH Elevated Rail System provides fully integrated signal control via common conductor with magneto caloric heat sink application interstitial to the iron core solenoids that generate heat as byproduct of electromagnetic induction as current is passed through the solenoids during levitation.



- D. **Conduit installed sufficient for testing “Butterfly Valve Assembly”.**
➤ To include pump, pressure switches and control software.



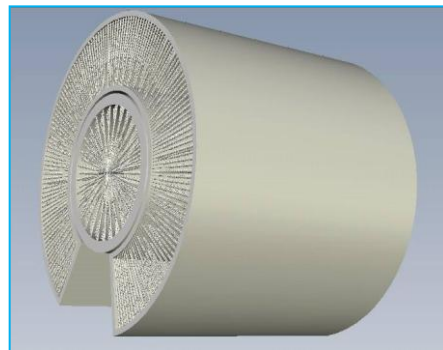
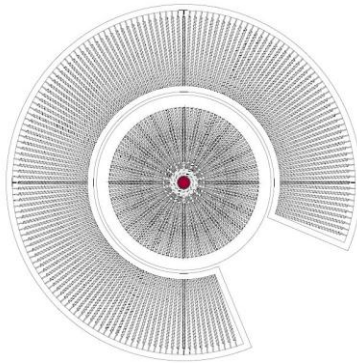
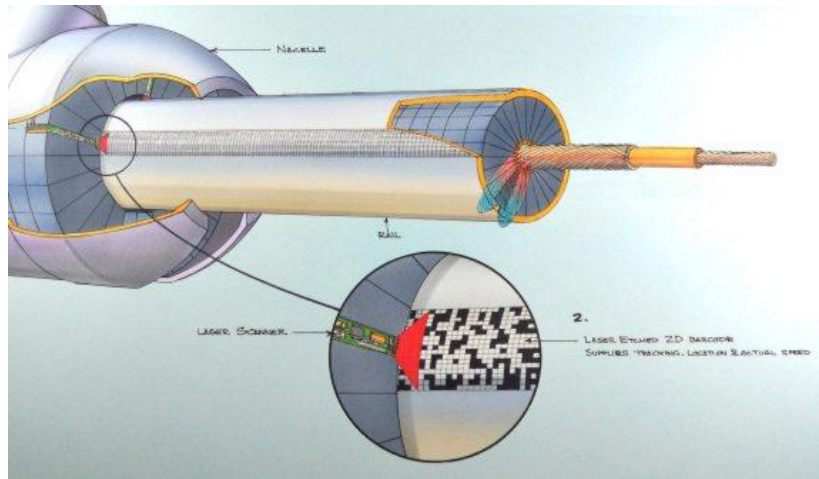
- E. **Butterfly Valve Assembly (for testing, etc. / proof of concept).**



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3. Slotted Linear Motor

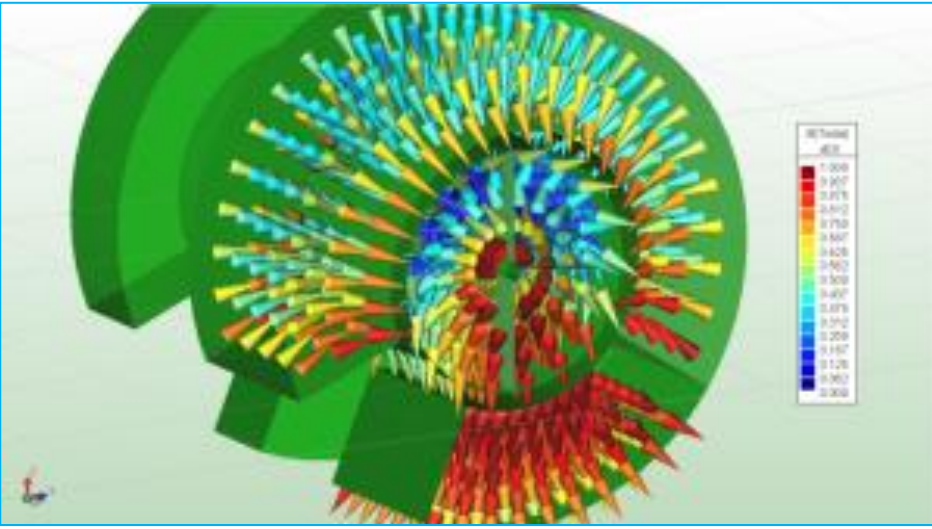
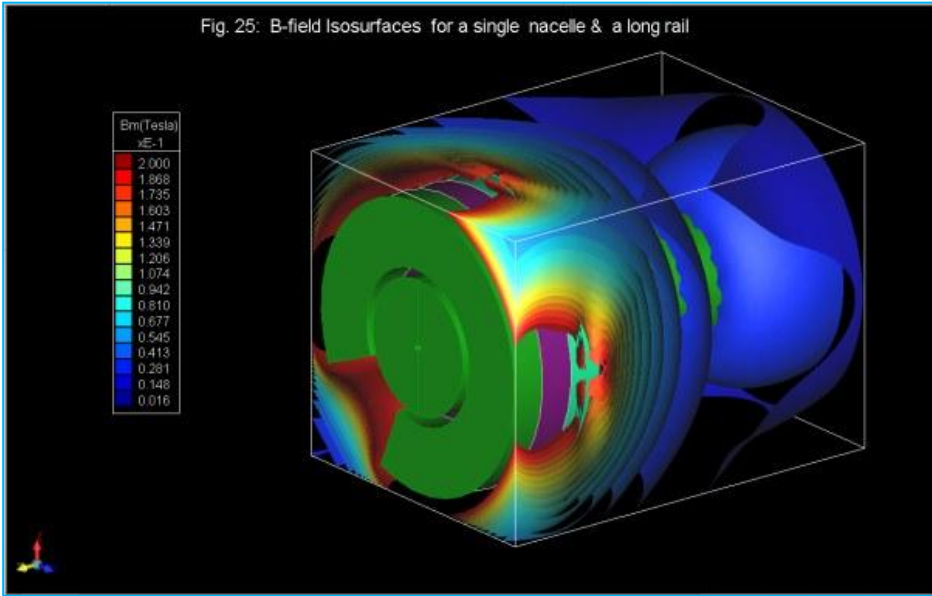
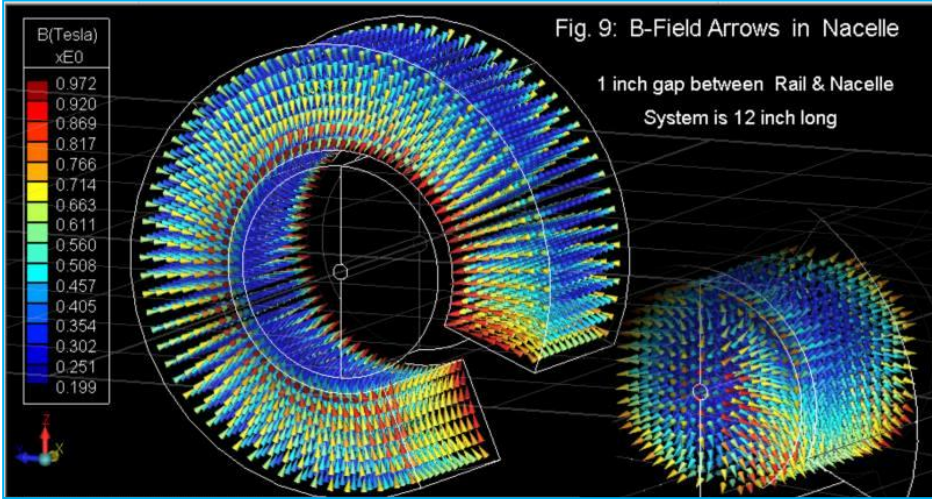
- **Four Slotted Linear Motors**
 - Designed per electromotive analysis of Integrated Engineering Technologies.



High Resolution Images are available at:

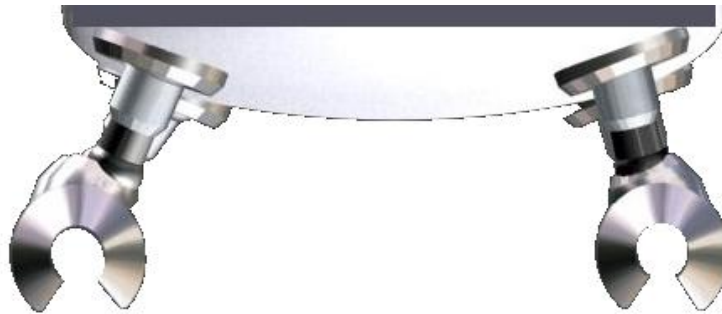
http://www.interstatetraveler.us/images/Rail_Nacelle_Fields_Analysis/Field_Arrays.htm

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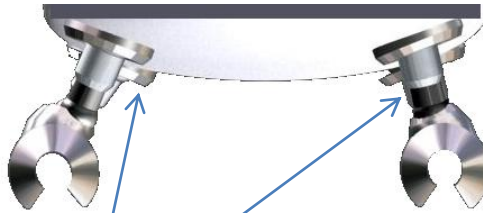


4. Platform (or) Basic Chassis

- **Designed as base chassis for multiple transport designs.**
 - (for testing, etc. / proof of concept).

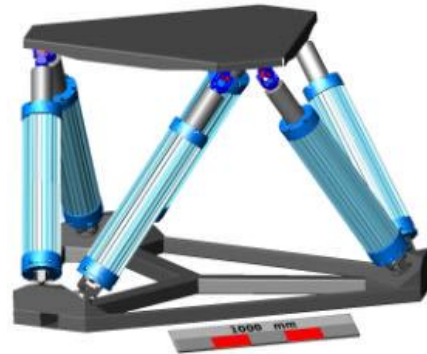
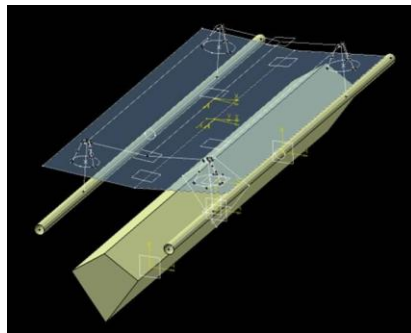


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5. **Suspension System**

- **Four Suspension Leg Assemblies including control software.**
 - Housing designed to be integrated with Slotted Linear Motors.



Information on Motion Base;

http://advancedmotion.net/pdf/EMAG-3300_Brochure_Let.PDF

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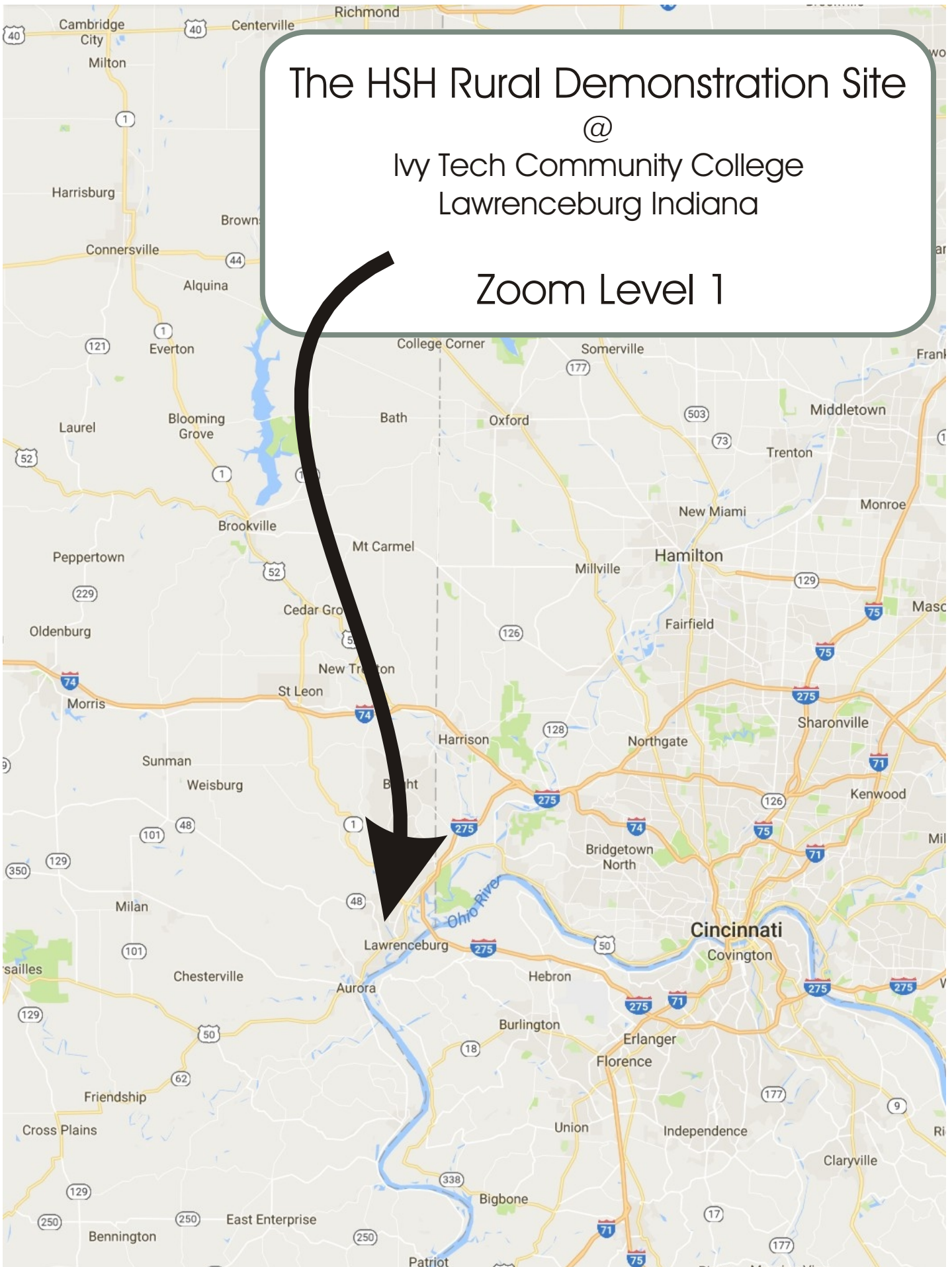
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The HSH Rural Demonstration Site

@

Ivy Tech Community College
Lawrenceburg Indiana

Zoom Level 1



The HSH Rural Demo Site

@

Ivy Tech Community College
Lawrenceburg Indiana

Zoom Level 2



The HSH First Half Mile Ride

@

Ivy Tech Community College
Lawrenceburg Indiana

Zoom Level 3



1802

LAWRENCEBURGH

FIRST IN NEW MODES OF TRANSPORTATION

- 1802 Village of Lawrenceburgh founded in the wilderness by
• Capt. SAMUEL C. VANCE
Commerce and travel are via the Ohio River. Pioneers
constructed flatboats to carry goods to New Orleans
markets. The "Kaintucks" walked back to the
Ohio Valley through hostile Indian Territory.
- 1832 GEORGE H. DUNN, Whig congressman from Lawrenceburgh
convinced the state to charter Indiana's first railroad.
- 1834 The Lawrenceburgh and Indianapolis R.R. was begun in
Shelbyville to connect to Ohio River transportation.
- 1835 Lawrenceburgh's portion of the line is dedicated before a
crowd of 5,000 but the entire line is not completed due
to 1838-1839 financial disaster.
- 1848 OHIO and MISSISSIPPI R.R. connecting Cincinnati and
St. Louis is begun.
- 1852 The Lawrenceburgh and Indianapolis R.R. is reorganized
as the Indianapolis and Cincinnati R.R.; a locomotive is
delivered by boat to Lawrenceburgh in Sept. East and
West sections of the line are joined in Shelbyville.
- 1857 The O&M R.R. becomes the earliest B&O controlled line
in Indiana.
- 1861 President elect ABRAHAM LINCOLN addressed the
townspeople from his inaugural train behind this hotel.
- 1900 The Cincinnati, Lawrenceburgh and Aurora Electric Street
Railroad Company reversed direction at this intersection.

Historic Lawrenceburg ~ Greendale Foundation

P.L. 114-94

Fixing America's Surface Transportation (FAST) Act

Key Highway Provisions



U.S. Department
of Transportation

**Federal Highway
Administration**

Highway Design

- On NHS, design "shall consider" (previously "may take into account")—
 - constructed/natural environment
 - environ., scenic, aesthetic, historic, community, & preservation impacts
 - access for other modes
 - cost savings via flexibility in current design guidance/regulations | **NEW**
- DOT to consider AASHTO Highway Safety Manual, NACTO Urban Street Design Guide
- Encouragement for States/MPOs to adopt standards for Fed. projects that accommodate motorized and non-motorized users
- Locality may use different roadway publication than State (with State approval) in certain circumstances

Other Provisions

- Specifically allows multiple similar bridge projects to be handled (“bundled”) into a single project
- DOT to designate national electric vehicle charging and hydrogen, natural gas, and propane fueling corridors
- Encouragement of vegetation management practices that improve habitat and forage for pollinators
- State may opt for Federal share <100% for Appalachian Development Highway System (ADHS) projects

utilization of #H2 energy.

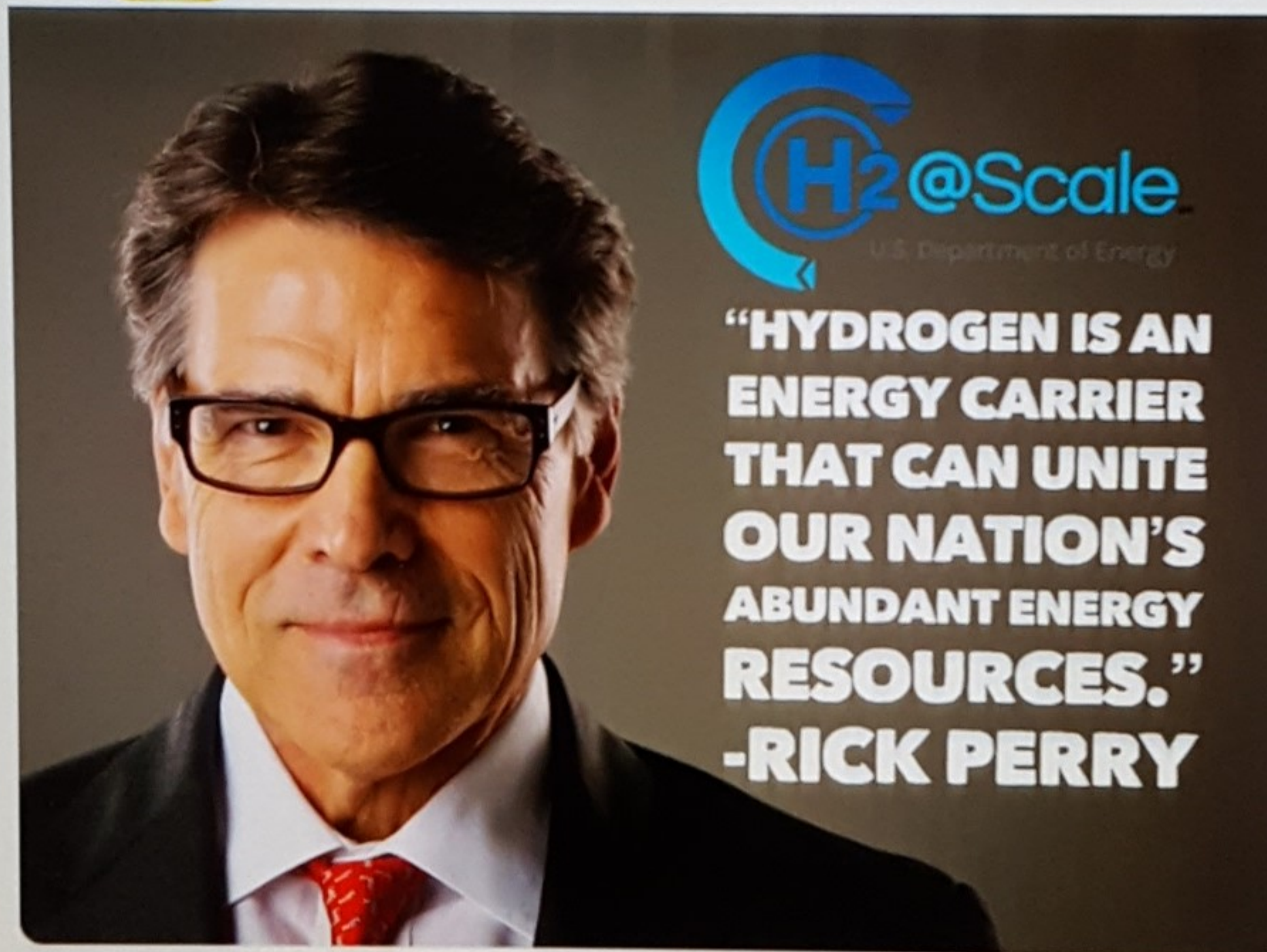
"Hydrogen is an energy carrier that can unite our Nation's abundant #energy resources," said Rick Perry.

lnkd.in/ePKYBEs

<https://lnkd.in/ePKYBEs>



U.S. DEPARTMENT OF
ENERGY



11:21 AM - 4 Mar 2019

22 Retweets 38 Likes



22

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