

## **SKY TRAIN TEAM RESUMES for Destiny, Florida Manufacturing Plant**

**Sky Train, in a joint venture with NuEnergy**, has pulled together a team of qualified experts in their fields with sufficient breadth, balance, and quality to make ideas become reality. Each brings their own unique talents and qualifications to ensure successful project development to bring the cutting edge Destiny manufacturing facility to fruition. They have extensive knowledge of magnetic levitation, electronics, transportation, engineering, manufacturing, finance, marketing, and alternative energy. Many are insiders who have been long associating with the hierarchy of rail investment and development and in the alternative energy field. The exemplary qualifications of the key personnel involved are listed in extensive detail below.

### **KARL W. GUENTHER**

**TITLE:** Joint Venture Partner & Chief Executive Officer of Sky Train Corporation (STC)

**OVERVIEW:** Karl is CEO and major stockholder of STC - a research and development company focused on energy technologies and transportation. STC's patent was awarded 63 claims for his Solar Powered Overhead Suspended Light Rail Monorail System and is pending for an Energy Storage and Rapid Transfer System (ET). He is also an accountable, accomplished manager and inventor with 38 years of management experience in Manufacturing. He possesses a high mechanical aptitude, with a solid history of professional contributions in social issues, government, management, information systems, equipment design, and innovation. He initiated collaborative patent-pending Energy Transfer research funded by the Department of Energy, which leads to applying it to products to support electric drive vehicles and monorails.

### **EDUCATION and TRAINING:**

Gulf Controls School of Fluid Power Course (Air and Hydraulics) 1990

Illinois Institute of Technology (½ credits) Masters Business Administration -Finance 1988

Illinois Institute of Technology Bachelor of Science - Industrial Engineering 1970

University of Michigan - Licensed Instructor from affiliated Methods Times Motion Corp. -1965

US Army – Veteran 1958 Nike Air Defense Missile Systems, Electronics, Chemical, Bacteriological, Radiological Warfare

University of Illinois Engineering Physics 2 years toward Bachelor of Science 1957

Civil Air Patrol (USAF Auxiliary) O'Hare AFB - 1956 Captain - Aviation training, passed all available courses & completed all examinations. Taught and repaired "Link" instrument Flight Simulators & was an instructor in aviation topics, search and rescue. Served as the Illinois Wing Cadet Commander of Communications. Was selected 1 of 100,000 cadets to attend the Jet-Orientation course at Perrin Air force base in Texas, as an award, including the Congressional dinner.

### **RESEARCH and PROFESSIONAL EXPERIENCE**

#### **RESEARCH PROJECTS:**

Department of Energy (DOE) 2007-2008 collaborative grant with the Florida Solar Energy Center (FSEC) at University of Central Florida (UCF). Currently doing research on renewable energy quick transfer for Solar Powered Monorail/Overhead Suspended Light Rail (OSLR). The primary focus is to develop a solar, wind, and hydrogen fuel cell interface to power the next generation monorail. Currently pursuing transportation strategy and funding to establish a monorail installation at the University of Central Florida and at Tampa's Museum Of Science and Industry (MOSI), with plans to expand over the Greater Tampa Bay & Orlando Areas.

NASA SATOP Program -2006. NASA did joint design of Gimbals Connectors for STC.

Technological Research Development Authority (TRDA) grant 2002 originally funded energy transfer research through strategic alliances with NASA, the federal government, the aerospace industry, and state partners including the Department of Education, Enterprise Florida and the Department of Community Affairs.

Illinois Institute of Technology -1995. Wind Tunnel test of new transit concept with under graduates

University of Southern Florida & Center for Urban Transportation Research - 1994 to present. Initiated a formal Teaming Agreement to gain mutual grants.

## **PROFESSIONAL EXPERIENCE:**

Sky Train Corporation (STC) – Palm Harbor, Fl. 1995 – Present

Title: Chief Executive Officer, Principal Investigator, & Program Manager of Sky Train Corp. (STC)

– STC is a Florida Department of Transportation (FDOT) listed Transportation Consultants & Licensed Engineering Firm. The STC OSLR/monorail is classified as an energy saving solution to transportation by several associations including Florida's TRDA and the National Research Energy (Development) Laboratory (NREL). STC has also been peer reviewed and listed by the National Science Foundation (NSF) as notable for system development and short listed by investigating consultants fitting initiatives.

Suncoast Engineering & Manufacturing, Inc. - Safety Harbor, Fl. 1992 - 1996

Title: President - A custom Design and Build Machining and Fabrication operation. Worked with major corporations on various projects:

*Inex Vision Systems*, Div. of Barry Wehmiller Corp. Re-designed and manufactured Pro-Laser bottle automated inspection machines.

*Honeywell*: Designed Freon (CFC) Reclamation equipment. Also, Manufactured Encapsulation system for 10 PIGA Mechanical Accelerometer.

*Conax FL.*: Value engineered and fabricated Inspection and Process Gauging duplication for manufacturing in Japan.

*Univa,l Div. of American Signal*: Designed and built automated testing equipment for commercial valves.

Suncoast Fisheries Inc., Hernando Beach, Fl. 1987-1994 Owner of Marina Complex consisting of DBA's: Suncoast Engineering & Machining, a Design & Build Machining Operation; Sea K's, a Seafood Restaurant with Liquor License, and Suncoast Marina, a Marine Repair & wholesale retail seafood operation. Highlights were: Negotiated with County Government on codes compliance, bringing the oldest marina in the county up to specifications. For a customer *German American Telephone Manufacturing* Karl facilitated an expansion of their manufacturing operation from \$6 to \$22 million in a six-month period.

## **PATENTS, COPYRIGHTS, and SOFTWARE SYSTEMS PATENTS:**

Patent #7,124,692 -granted October 2006 for three rearranged rail designs. Concept is patented (others ready for and pending), disclosed, and he's working on patents relating to an Overhead Suspended Light Rail system. STC has patent protection for three advancements in suspended rail gaining 63 patent claims. Developed additional pending disclosures in Overhead Supported Light Rail Systems covering electronics, lower cost switching for the patented systems, and other enhancing features. The team identified 38 specific features where STC matches, adds, or exceeds performance over competing modes of transportation. The patent also includes an energy transfer system for freight handling equipment reducing energy use & pollution at seaports.

Patent # 5758511 - submitted for a client *Advanced Thermal Technologies* and received patent.

He also designed a home unit for the drying of air after first building a model.

## **SYNERGISTIC ACTIVITIES:**

### **PROFESSIONAL MEMBERSHIPS:**

National Space Society South West Florida Chapter – 2005-Present Treasurer

Who's Who Business Award - 1994-95 & 1999-2000

Cinch "Invest-O-Matic" Stock Club – 1984 President

American Society of Value Engineers, Chicago – 1987 Secretary

### **VOLUNTEER EXPERIENCE:**

International Space Development Conference -Panelist 2005 & 2006 on Lunar "Heavy Rover" Design for Habitat.

Pinellas County Citizens' Advisory Committee -1997 to present. Currently member for Metropolitan Planning Organizations of Pinellas County.

Regional Advisory Committee 2004 -Currently a member for FDOT's seven county "Chairs Coordinating Committee" of joint MPO's.

Clearwater Bombers & Colt 45's National Champions -President 1996 & 97 - hosted ASA Championship in 1997.

Committee of 100 of Hernando County, FL. 1990 -elected by business owners to do county zoning.  
Pinellas County Vocational Technical School - 1986 Chairman for 4 years. Implemented a course on warehousing.

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**HECTOR M. GUEVARA, PHD**

**TITLE:** Joint Venture Partner & President of NuEnergy Technologies

**OVERVIEW:** Hector is the President of Sky Train’s strategic partner NuEnergy. He has over 30 years of management experience as founder and CEO of his own companies with their major focus in Photovoltaic and Renewable Energy sources specializing in Wind, Solar and Hydroelectric systems. He was the Senior Engineering Advisor and Systems Developer on energy grant projects with Sky Train Corporation. Under a Strategic Agreement with STC’s CEO they achieved the proof-of-concept for innovative energy research. Hector is co-patent holder for the Energy Storage and Transfer System they created to charge electric vehicles and other plug-ins. They currently are engaged in a joint venture to produce energy efficient drive systems to be built at a new manufacturing plant in the eco-city Destiny, Florida.

**EDUCATION AND TRAINING:**

BSME with a PhD in Mechanical Engineering with an MBA and BBA .

University of Maryland 1967 to 1970 Dr. Guevara attended and took studies leading towards a B.S.M.E. State University of New York (SUNY) In 2001& 2002 Matriculated course work leading towards an Engineering Management Degree Program. While on this program, Dr. Guevara participated in SUNY’s mentor protégé program. In 2002 SUNY’s Small Business Development Center selected Dr. Guevara as the Hispanic Entrepreneur of the Year.

Shaftesbury University (London) in January 2002 Dr. Guevara was conferred with a Ph.D. in Mechanical Engineering.

**Honors:**

Hispanic Heritage Award by town of Isip, NY. Oct. 2001

Hispanic Entrepreneur of the Year 2002 State University of New York’s Department of Economic Development

Hispanic Business Icon award 2003 Latin Long Island Magazine’s The Men Luncheon. Highlighted in article in *Latin Long Island Magazine* entitled *Hispanic Business Leaders of L.I.* July/Aug 2003 pg 28.

Dr. Guevara received a Citation from the American Society of Mechanical Engineers 2002 for his work in photovoltaic and renewable energy sources.

Since installing the thermal solar system in the White House in 1979, Dr. Guevara has continued designing, developing, and deploying renewable energy systems throughout the world, and has developed a “thermal electric generator” (TEG) which, in over simplified terms, can convert heat from just about any source directly into usable electricity. This technology, known as thermionics, has been repeatedly proven in U.S. and Foreign laboratories.

**Languages:**

Fluent in Spanish, English, and has a working knowledge of German

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

NuEnergy Technologies Corporation – President and Principal Investigator. This company was renamed in 2009 & is focusing on energy technologies and alternative energy sources. They are deeply involved in alternative energy research and products that use & produce green energy & reduce energy consumption.

Hector is also the founder, chairman of the board, and president of various corporations, including Nu Energy Group, Inc., a public company, previously trading on the OTC and now being held inactive (operations/trading stopped). Highlighted in an article in *Hispanic Business Magazine* June 2003 pg. 108 & 110 entitled *Renewable Power in a Box*.

In January of 2006, Hector created Nu Dimensions Group, Inc., a Florida corporation, which replaced the operations of all of Hector’s previous Long Island, New York operations. They are currently developing a low-profile Wind Turbine under the renamed NuEnergy Technologies Corporation.

Nu Dimensions Group, Inc.- owner. Dr. Guevara has devoted the past 30 years to research and development of renewable energy systems. His companies designed and or produced many of the most

notable solar, wind, and hydroelectric systems deployed throughout the world. The results of his research and development were assigned to this Florida Corporation.

Hytech Industries Corp., In July 1986, Hector founded the company with its last manufacturing facility located in Bohemia, Long Island, New York. Hytech was a minority-owned design engineering and contract manufacturing company, which primarily serviced the passenger rail transit industry for the past twenty years, e.g., Long Island RR, MTA NYC Transit, Metro North, Amtrak, etc. with millions of dollars in annual revenues. One of Hytech Industries' most notable projects in the rail transit industry was having co-designed and manufactured the hybrid control system for Amtrak's new Acela high-speed locomotives and power cars. Hytech Industries also became recognized for developing and marketing renewable energy systems throughout the world. Highlighted in article *Hytech Wins a \$1.7M Contract* in Long Island's Newsday paper Sept. 9, 2002.

Alternate Energy Industries Corp. in New York City- Founder and president. Beginning in 1976, Alternate Energy developed an international market in solar products, with annual revenues that reached approximately \$5,000,000. In 1979 the President of The United States, Jimmy Carter, wanted a solar system installed and Hector's company, Alternate Energy, was chosen to install the solar system in the White House.

**PUBLICATIONS:**

Book: Declare Your Energy Independence 2008 self published available at [hguevarablog.com](http://hguevarablog.com) or from [nuenergytech.com](http://nuenergytech.com)

**SYNERGISTIC ACTIVITIES:**

**Affiliations:**

- Member The Institute of Electrical and Electronic Engineers
- Member American Society of Mechanical Engineers (ASME) 2002 to present
- Member of The American Public Transportation Association
- Member of Solar Energy Industry Association
- Member of US Hispanic Chamber of Commerce
- Member of Latin American Manufacturing Association
- Member of National Minority Business Council
- Member Regional Alliance for Small Contractors

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**MARGARET M. DOLAN**

**TITLE:** NuEnergy Technologies Chief Financial Officer

**OVERVIEW:** Over fifteen years of executive management experience as a President, COO, CFO, financial analyst and Risk Manager. Unique business management experience across multiple industries, including nuclear, environmental, engineering, construction, retail, and financial industries. Skilled in bridging the gap between financial and operations risk management to develop integrated risk/return methodologies and work processes for emerging and growth companies. Excellent communicator and team builder who creates common vision amongst stakeholders.

**EDUCATION & TRAINING:**

Harvard Business School, Master of Business Administration (1992)

The University of Michigan, Master of Health Physics (1987)

Boston College, Bachelor of Science, Biology (1985)

Department of Energy Radioactive Waste Management Fellow (1987)

**PROFESSIONAL EXPERIENCE:**

**Operations Management:** Over 5 years experience serving as President, CFO and COO of start-up companies where responsible for developing and implementing company finance, operations and marketing strategies.

NuEnergy Technologies, Chief Financial Officer  
Renewable Energy Company

2009-Present

Member of executive management team commercializing unique renewable energy technologies.

Active in fund raising, grant writing and other company financing activities.  
Mascot Capital Management LLC, Consultant 2008-2009  
 New Short-biased U.S. Equity Hedge Fund  
 Consultant on marketing and risk management with new fund being launched by veteran hedge fund manager with whom previously worked as financial analyst.  
 Developed marketing materials and investor pipeline for new fund.  
 Created initial risk management processes for diversified and actively traded short/long portfolio.

Retail Teamwork, LLC, Chief Operations Officer/Chief Financial Officer 2006-2008  
 Early-stage retail management software start-up  
 Completed \$3 Million A Round financing for this retail management software start-up.  
 Developed business plan and established relationships with Angel and Venture Capital investors.  
 Completed technology acquisition and negotiated strategic relationship with Microsoft and other strategic partners.

Handled all legal, financial and human resource issues within the company.  
Agnosco International Group, LLC, President and Co-Founder 2002-2006  
Public-private partnership initiative to build a national food safety system  
 Designed unique risk management strategy for building national food safety system with an economically sustainable business model.  
 Developed company business plan and negotiated strategic relationships.

**Financial Analysis:** Over 5 years experience as a buy-side equities analyst, analyzing and generating new investment ideas and performing independent financial analysis and due diligence.  
Neuberger Berman, Vice President, Equity Research 2000-2002  
 Leading investment management firm  
 Managed research needs for \$2 billion all-cap, opportunistic growth and fixed income private asset management group.  
 Developed new investment ideas to balance or replace existing portfolio positions. Generalist with particular strength in technology sector.  
 Conservative investment style backed by extensive independent research. Strong performance in down market.

Eagle Asset Management, Equity Research Analyst 1998-2000  
 Leading investment management firm  
 Developed technology investment direction for \$900 million Heritage Small Cap mutual fund, private client accounts and institutional accounts.  
 Growth-oriented investment style backed by extensive independent research. Presented investment strategy and stock overviews to investors.

Bulldog Capital Management, Vice President 1997-1998  
 \$200 Million U.S Equities Long/Short hedge fund  
 Developed growth-oriented long and catalyst-driven short investment ideas for this hedge fund in the small- and mid-cap area.  
 Conducted extensive research through industry associations and customer and competitor interviews.  
 As part of marketing responsibilities, simplified and redefined company brand and image.

**Risk Management:** Over five years experience as Risk Manager for large, multi-disciplinary projects with diverse financial and operational business risks  
Fluor Corp, Director of Risk Management 1995-1997  
 Leading global engineering and construction company  
 Recruited by environmental subsidiary to implement innovative corporate risk management program to protect parent company's large cash resources from environmental liabilities.  
 Implemented operational, financial, legal and insurance risk management controls into project selection and execution. Program rated as best in the industry by leading insurance companies.

Foster Wheeler Environmental Corporation  
 Director, Program Development and Risk Management 1992-1995

Leading environmental services company  
Refocused sales organization of this \$900 million environmental services company to improve sales effectiveness and profitability in its large project business segment.  
New strategy increased project backlog from \$100 million to over \$1 billion in less than two years.  
Developed innovative risk management program to manage project business risks that became unique differentiator within large project business segment.

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**DOUGLAS J. TOBIN, PE, RA**

**TITLE:** Sky Train Corp. Vice President of Engineering

**OVERVIEW:** Doug has Program and Construction Management experience in Building and Systems Architectural Engineering, Master Planning, and Architectural Design and Engineering of Transportation and Cargo Handling Facilities. Doug has spearheaded and developed over \$25 billion worth of projects within the U.S. and internationally on commercial and industrial projects.

**EDUCATION AND TRAINING:**

New York Institute of Technology

Bachelor of Architecture (5-year)

Graduated - 1980 - Magna Cum Laude

Norwalk State Technical College Norwalk, Ct.

Associates Degree in Architectural Engineering (2-year)

Graduated – 1976 – Summa Cum Laude

**Professional Certifications:**

Architectural Registrations-Connecticut, Florida, Georgia, Kentucky, Illinois, Mass, New Jersey, New York, Pennsylvania, Texas, Virginia

**Professional Engineer Registrations-**

Connecticut, Maine, New York, Pennsylvania, Vermont

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

**Work Experience:**

President & CEO of ARC International Associates Inc.

Registered Architect & Professional Engineer

**Areas of Expertise:**

Project Director, Program Management, Construction Management experience.

Transportation Terminal Design and Planning, Building Architecture, Electrical, Fire-Protection, HVAC, Structural Engineering, Airport Master Planning & Design, Cargo Handling Systems Design and Engineering, Baggage Handling Systems Design and Engineering, Concessions, Master Planning & Design, System and Building Interface Architecture and Engineering, Cargo/Warehouse Facility and Material Handling Systems Architecture and Engineering.

Doug has vast experience in airport master planning & design, baggage handling systems design and engineering, building and facility architecture, electrical, fire-protection, HVAC, structural engineering. He has provided technical services for cargo handling systems design and engineering, concessions master planning & design, package handling systems design and engineering, system and building interface architecture and engineering, and warehouse facility and material handling systems architecture and engineering.

His professional expertise extends from architectural, structural, mechanical, electrical, fire protection building systems planning, design and engineering to specialty baggage handling, cargo, freight handling systems design and engineering. Mr. Tobin has provided architecture and engineering services for major airport cargo and passenger terminals projects located throughout the US at JFK, PIA, MIA, DFW, SFO, etc. Internationally at the Dubai International Airport, New Quito International Airport, New Athens

International Airport, Greece; New Seoul International Airport, Korea; Changi International Airport, Singapore; Kuala Lumpur International Airport, Kuala Lumpur Malaysia; HACTL Cargo Terminals 1 and 2, Tai Tak International Airport, Hong Kong; Milano Linate and Milano Malpensa Airports, Milan Italy and others. Projects include numerous Baggage, Cargo, and Material Handling Systems.

**SYNERGISTIC ACTIVITIES:**

- AEDG – Advanced Energy Design Guides: Building Envelope – 3 Part Series on Advanced Energy Design Guide (AEDG0 Recommendations, Part 1, 2, 3 - Continuing Education Courses
- High-Performance Green Building: New Materials and Methods – 1.5 AIA Credits – Continuing Education
- ANSI/ASHRAE/IESNA - Standard 90.1-2007 - An Overview of the Lighting and Power Requirements – Dept. of Energy Codes – 1.5 AIA Credits – Continuing Education
- Mr. Tobin has developed over US \$2.5 billion worth of projects within the U.S. and internationally on commercial and industrial projects.

**Professional Organizations-**

NCARB Registered Architect  
New York Society of Professional Engineers

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**DANIEL R. SIMPSON**

**TITLE:** Sky Train Corp. Vice President of Manufacturing

**OVERVIEW:** Dan has a proven track record of being a respected team leader with the ability to move his departments forward smoothly, exhibiting strong elements of cooperation and consistent positive outcomes. Related to Department of Energy activities he has held relevant positions as a Chief Research Scientist at the University of Tennessee for the Advanced Technologies for Transportation Research Program and Director of Laboratories at the Florida Institute of Technology that includes oversight of multiple energy research labs. He also has experience in product and manufacturing engineering, as well as project management.

**EDUCATION AND TRAINING:**

University of Tennessee Chattanooga – Chattanooga, Tennessee  
Working on completing a Masters Degree in Engineering Management 2008  
Florida Tech – Melbourne, Florida  
Courses taken for a Masters in Engineering Management 2003  
University of Idaho - Moscow, Idaho  
BS Industrial Technology 1982  
United States Air Force and Navy Trained

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

Department of Defense contractor; Senior Lead Product Engineer  
University of Tennessee Chattanooga (UTC); Chief Research Scientist  
Advanced Technologies for Transportation Research Program (ATTRP)  
Florida Institute of Technology; Director of Laboratories  
Delavan Gas Turbine Products Division, West Des Moines, Iowa  
Senior Manufacturing Project Engineer & Automated System Integrator  
Boeing Airplane Company, 747 Spares Division; Everett, Washington  
Manufacturing & Airplane on the Ground Engineer

**PUBLICATIONS AND PAPERS:**

\* Dan Simpson Chief Research Scientist, Dr. Ron Bailey, Jim Frierson, Title: *Evaluating and Deploying Clean Energy Alternatives at Commercial Service Airports*; Energy, Cost and Time saving measures for Airport Managers; Airport Cooperative Research Program; 2008

\*Dan Simpson Chief Research Scientist, Mark Hairr Director Advanced Technology for Transportation Research Program and Research Team; Federal Transportation Administration, (FTA); Title: *Transportation Plan for University of Tennessee Chattanooga*; 2008

- \* Karl Guenther, Dr. William Young Jr, Dr. Rajan Sen PHD PE, Dr. Pete Scarlatos PhD, Dan Simpson Chief Research Scientist, Title: *Sky train Energy Exchanger for a Solar Powered Monorail* DOE 2008
- \* Dr. Bailey, Paul Griffin, Dan Simpson; Title: *Inductive Charging of Ultracapacitors Electric Bus*; Electric Vehicle Symposium, EVS23; 2007
- \* Dr. Bailey, Paul Griffin, Dan Simpson; Title: *Deploying a Hydrogen Fuel Powered Electric Bus*; Electric Vehicle Symposium, EVS23; 2007
- \* Robert W. Hay III – PE; Dan Simpson Chief Research Scientist, University of Tennessee Chattanooga; Title: *UTC Hydrogen Fueling Station* 2007
- \* Paul Griffin Independent Consultant/Engineer, Dan Simpson Chief Research Scientist, Mark Hairr Director Advanced Technology for Transportation Research Program Title: *Data Acquisition system for Electric Buses*, FTA 2007
- \* Dan Simpson Chief Research Scientist, Advanced Technologies for Transportation Research Program, Dr. Philip Kazemsky University of Tennessee Chattanooga; Design Team: Justin Wood, Jason Rozar, John Chrnalogar, Kamran Bozorgmehr, Josh Mabry, and Hector Rodriguez; Title: *Wampfler Inductive Power Transfer Battery Charger Installation* - 2006
- \* Dr. Prakash [Dhamshala](#), Dr. Ron Bailey, Dan Simpson Chief Research Scientist Title: *Passive Truck Cooling*, National Transportation Research Center 2006

**ARTICLES & INTERVIEWS:**

National Association of Science Writers

The Advanced Technologies for Transportation Research Program - 2007

Southeast Tennessee Transportation: A Special Report for the 2007 National Rural Transportation Peer Learning Conference – Next generation Technology - 2007

Business of the Outdoors Chattanooga

Newcomer to ATTI Teams turns attention to Water Taxi – 2006

Chattanooga joins Next Gen Fuels Research – 2007

Using Solar Energy and Hydrogen Fuel Cells to Power Your Home – 2007

**SYNERGISTIC ACTIVITIES:**

In Appreciation for Supporting & Mentoring the Mayor’s Great Ideas Competition  
Chattanooga Tennessee - 2007

In Recognition for Extraordinary Contributions to  
Florida Institute of Technology – 2005

The President’s award for University Excellence  
Florida Institute of Technology – 2004

The President’s award for University Excellence & Congratulations from Florida Senator Mike Haridopolos  
Florida Institute of Technology – 2003

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**JAN H. ZICHA, PE**

**TITLE:** Sky Train Corp. Director of Rail Technology

**OVERVIEW:** Professional Engineer in Civil and Structural Engineering with expertise in High-Speed Rail & Rapid Transit Infrastructures. He has worldwide experience in design & construction of buildings, bridges, transportation, & industrial structures, and in coordination, inspection & quality control.

**EDUCATION & TRAINING:**

University of Zilina, Czechoslovakia, 1965 Major: Transportation Infrastructures/Railway track and structures. European Engineering Diploma, MS Equivalent, 167 credit hours.

Almeda University, Idaho, USA, Master of Science, Major in Civil Engineering, 2005.

**Licenses:** Registered Professional Civil Engineer: Maryland 12820, Wisconsin 21397-006.

**Languages:** English, Czech, and Russian.

**PROFESSIONAL EXPERIENCE:** Jan has extensive domestic & international experience in civil, structural & railway engineering. He served as a Project Manager, Infrastructure Team Leader, Principal



Structural Engineer, Principal Trackwork Engineer, Director of Research & Development, & Railway Technology Specialist on major domestic & international projects.

Seoul-Pusan High-Speed Rail Line initial stages designed & built to his specifications. The line operates at 218 Mph (350 km/h) speed specified by Jan in 1989.

**Experience in Combination of Railway Engineering and Structural Engineering** -Rapid transit projects in Shenzhen, China, 2003, Buenos Aires, 2001 to 2002, Caracas, 2001, Bogota 1999 to 2000, Bangkok 1998, Kaohsiung 1993 to 1994, Washington & Baltimore (WMATA & MTA) 1978 to 1989 & Prague 1969 to 1971 included not only railway engineering tasks such as trackwork and railway operations, but also specific civil & structural assignments, namely bridges, tunnels, buildings, & foundation design. The main client on international projects was Louis Berger Group. The previous employer was Ralph M. Parsons Corporation.

High-speed rail projects in Korea, Honam HSR 2002 to 2003, East-West HSR 1994 to 1995, & Seoul-Pusan HSR 1989 to 1991, to the West Bank-Gaza Connector for mixed traffic operations 2005 to 2006, & to Commuter Rail in Istanbul 1997.

Development of Slabtrack for High-Speed Passenger & Heavy Axle Load Freight Operations, Pueblo, Colorado, & PCA Labs in Chicago, 2000 to present.

Development of Specific Criteria for Upgrading Existing Track and Roadbed for High Speed Operations. FRA Order No.: DTFR53-00-P-00377. 2000 to 2001.

**Experience in Structural Engineering** -Residential and public buildings, design and construction, 2004 to present, Salt Storage Building in Washington DC, 2001 to 2002, Industrial structures in Baltimore 1977, BWI Airport building, Pier A and B, 1974 to 1975.

Bridge design: Extensive bridge & tunnel aspects of the above railway projects 1978 to 2006. Hwy. I-95 bridges, railway bridges, and WMATA Minnesota Ave. bridges 1972 to 1977.

Pre-fabricated railroad bridges for emergency use, Czechoslovakia, 1966.

Material Engineering: Retrofit of cracked concrete members & members damaged by alkali aggregate reaction, by vacuum penetration with methyl methacrylate, WMATA 1986 to 1989, & Taipei 1994.

**Experience in Trackwork and Railway Engineering** -Specialized use of AutoCAD 2004 to generate drawings of station track groups, Israel 2006. Trackwork supply industry engineering. Track Components Development, Laboratory Testing, & Special Trackwork Manufacture. American Track Systems, Inc. in 1996, and Sonneville International Corporation 1991 to 1993. Quality control, Eurotunnel between United Kingdom & France, 1992. Trackwork fastening qualification & production testing, Los Angeles, Taipei & Prague, 1993 to 1997.

**Experience in Geotechnical Exploration by Remote Sensing Methods of Engineering Geophysics** - Utilization of georadar, microseismics & microgravimetry for the generation of geotechnical profile for design, construction quality control, performance monitoring & maintenance planning of railroad track. Utilization of Controlled Source Spectral Analysis of Surface Waves Method for non-intrusive production of boring logs' equivalents for structural foundation design.

**Experience in Highway Design, Construction Supervision and Surveying** -Access roads to railway yards & railway lines, 1989 to 2006. Paved recreational trails, proposal stage to present. Prague-Brno Highway Project in Czech Republic, 1967 to 1968.

#### **PUBLICATIONS, PRESENTATIONS AND RESEARCH REPORTS:**

*Civil Aspects of New Generation Railways for Asia*. Rail Solutions Asia, Hong Kong, March 28, 2003  
Ballastless Track of Eurotunnel LVT and its Global Utilization to Achieve Unprecedented Reduction of Track Maintenance, and Development of Ballastless Track Systems in USA. Conference on the Modernization of Railway Lines, Sponsored by European Commission as a part of Centier Excelencie Project, Zilina, Slovak Republic, November 6, 2001

*Development of Specifications for Upgrading Existing Railroad Track to Support High Speed Passenger and Heavy Axle Load Freight Operations*, Annual Conference of High Speed Ground Transportation Association in Milwaukee, ASCE Session, USA, May 17, 2001.

*Challenges of Upgrading Existing Railroad Track to High Speed Passenger Operations*, Annual Conference on High Speed Ground Transportation in Seattle, USA, High Speed Ground Transportation Association, June 8, 1999.

*Perspectives of High Speed Rail in the USA and Far East*, The First International Conference on Advanced Transportation, Pardubice, Czech Republic, September 19, 1995.

*Upgrading Existing Lines for High Speeds: Infrastructure Aspects and Limitations*. Presentation at the 11th International Convention on High Speed Rail and Magnetic Levitation. San Francisco, May 4, 1994.

*High Speed Rail Loading Scenario and Dynamic Tuning of the Track*, Paper and Presentation at the ASCE International Conference on High Speed Rail, Orlando, Florida, October 26, 1992.

*High Speed Rail Systems in the United States*, Journal of Transportation Engineering, ASCE, Vol. 111, No. 2, March 1984, co-author.

*Upgrading Track and Roadbed for High Speed Rail Operations*, Specific Criteria Development, FRA Order No.: DTFR53-00-P-00377. January 30, 2001. Dynamic track train interaction analyses for a sample high speed rail & for a representative heavy axle load vehicle; trackwork & geotechnical requirements of high-speed passenger & heavy-axle-load operations on the same track. Associated software development & parametric studies. This work influenced the direction of railway research in the US, and is reflected in several FRA-AAR research programs at the Transportation Test Venter in Pueblo, Colorado.

*Geotechnical Exploration by Remote Sensing Methods of Engineering Geophysics* for the Seoul– Pusan High Speed Rail Line. Innovative methods of highly economical evaluation of route & alignment territory to ensure adequate subgrade quality necessary for high speed running, Seoul, Korea, 1992.

*Aerodynamic Resistance of High-Speed Rail Tunnels*. Research results obtained in cooperation with the Czech Academy of Sciences, Institute of Theoretical and Applied Dynamics, 1991. The report includes actual values of air resistance for TGV, ICE & Shinkansen trains as a function of speed, length of tunnels, size of tunnels, & air temperature.

#### **SYNERGISTIC ACTIVITIES:**

##### **Professional Memberships:**

American Society of Civil Engineers (ASCE), Railway Transportation Committee, formerly High-Speed Ground Transportation Committee, Chairman, 1989 to 1990, & 1999 to 2005, Founding Member, 1983 to present time. Member of the Operations & Safety Council from November 2004.

American Railway Engineering and Maintenance of Way Association (AREMA), Committee 17 on High Speed Rail, Responsibility for track/train interaction aspects of the Subcommittee on Track, Structures & Track/train Interaction, Secretary & Vice Chairman Emeritus, Founding Member, since 1988.

Transportation Research Board of National Academy of Sciences, Affiliate, Member of A2M01 Committee on Railroad Track, 1999 to 2001.

High Speed Ground Transportation Association (HSGTA), ASCE Joint Technical Session Chairman at HSGTA Annual Conferences in Seattle, 1998, & Milwaukee, 2001.

Washington Area Railway Engineering Society (WARES), Founding Member & Vice–President, 1980 to present time.

Czech University of Technology, Prague, Railroad Engineering Teaching, Prague, 1968 to 1969.

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#### **STEVE M. SIGAL**

**TITLE:** Vice President of Marketing NuEnergy Technologies

**OVERVIEW:** Steve has over twenty years experience as an executive and consultant overseeing corporate expansion and growth, from small to mid-sized corporations. His background includes years as a successful senior marketing communications and public relations strategist where he established, hired and managed a 35 member marketing team from start-up to revenues of \$800 million. He has several years experience in community public relations where he established many important contacts at several levels of government and business. Steve is experienced at business plan and strategic plan writing and editing and also has expertise at creating employee training programs. He managed a \$12M marketing budget and has supervised virtually every phase of the marketing cycle from concept to completion. He

founded and established his own Public Relations firm, and has been a senior research strategist for projects involving Levi-Strauss, the Gap, and Snapple.

**EDUCATION & TRAINING:**

University of California at Northridge- 1967-1969

Major area of study: Education

Some courses in Business Management.

Proven analytical and evaluation skills.

Exceptional organizational and planning skills.

**Awards:** Five industry awards including “Harvey Communication Measurement” for direct marketing campaigns expertise.

**PROFESSIONAL EXPERIENCE:**

NuEnergy Technologies Corporation-VP of Marketing 2008 - Present

Sigal Consulting, Inc. /PresentationMasters 1982 – Present

-Business Development Consultant. Steve’s early years include execution of promotions, sales training curriculum, consumer research, corporate image, marketing communications, advertising, and public relations. He spent several years working with area opinion leaders and VIP’s on various projects. He founded PresentationMasters where he still creates custom PowerPoint presentations for CEO’s, sales presentations, funding, major proposals, business plans, and trainers.

Fortress Technologies

-Director of Marketing Communications 1995 –1997

Network security products development company. Planning and execution of marketing programs, and establishment of marketing and P.R. department. Market research, product brochures, corporate web-site, naming/corporate image, sales videos, publicity and multimedia presentations. [www.fortresstech.com](http://www.fortresstech.com)

Absolute Entertainment

-Vice President of Marketing & Public Relations 1994 – 1995

Multimedia game development company. Re-engineered marketing department and product manager system. Created new profit center as website producer and content creator. All marketing responsibilities, trade advertising, in-house interactive ad agency, consumer and competitive market research, retail point of sale promotions, trade shows, oversight of PR campaigns.

World Research/Survey.com

-Senior Director of Research 1993 – 1994

Boutique conventional & web-based market research company. Authored research projects for a wide array of clients. Created survey questions and research methodologies. Client studies included Levi-Strauss, the Gap, Snapple and several Wall Street firms and major shopping mall in Acapulco. [www.survey.com](http://www.survey.com)

Government Technology Services, Inc. (GTSI)

-Vice-President of Marketing & Public Relations 1985 – 1988

Reseller of computers/software to government. Complete responsibility for all marketing activities from concept to completion. Grew to be industry dominant market leader. Helped boom company revenues from \$9 million to over \$200 million in three years and ultimately over \$800 million. Supervision of three ad agencies. Created four-color magazine that grew to massive government distribution. Recipient of **five awards** for advertising response. Led federal and state government marketing campaigns for over 25 major hardware and software vendors including Microsoft, Lotus, WordPerfect, Borland, and Compaq. See at: [www.gtsi.com](http://www.gtsi.com).

RealWorld Corp.

-Director of Marketing 1982 – 1985

Small developer of high-end accounting software. Strategist for company “start-up” marketing programs to dealer network. Trade show presence, supervision of advertising agency production and in-house art department. Numerous market research projects.

Sigal Public Relations

-Founder 1981 - 1982

Boutique public relations and publicity firm in Los Angeles. Strategic planning, public relations campaigns, publicity and media relations, press release writing,

**SYNERGISTIC ACTIVITIES:**

Community Involvement & Leadership

Co-Founder, Executive Committee, Florida Citizens for Social Reform.

Public Relations Executive, Clearwater Community Volunteers.

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**NANCY A. GUENTHER**

**TITLE:** Vice President of Facilities

**OVERVIEW:** In key positions managing facilities Nancy has worked successfully with all strata of customers and coworkers. She has energized and trained her team, managed budgets, and streamlined tasks for her department to ensure building maintenance and operations ran smoothly. She standardized procedures and was instrumental in creating unique programs to better relations with customers and vendors. She has over ten years experience as Facilities Manager and Property Manager. Nancy has been trained in Occupational Safety and Health Administration (OSHA) standards.

**EDUCATION & TRAINING:**

Saint Petersburg College

Continuing education in Business Management- 58 credit hours towards degree- 2009

Saint Petersburg Junior College

Continuing education Computer Programming (3.8)

AA degree in Business Management - 1984

Mt. St. Joseph- High School

Major Business

Attended training from Health Dept. for FrankCrum and SeaK's Restaurant

Attended Specialized Training of Restaurant Employees and Bartenders- SeaK's Restaurant

Trained on Siemens systems related to Fire, Security, OSHA requirements, backup systems, generators and Computerized A/C Trane systems.

**PROFESSIONAL EXPERIENCE:**

FrankCrum Corporate Inc. 2004- December 2008

FrankCrum, a payroll company, purchased the property and kept me on as Facilities Manager where I continued on with the care of the facility. The property is 15 acres, 130,000 sq ft Facility located in downtown Clearwater. I have a full staff to manage the operations of the facility. Created a Visio floor plan for the configuration of the floors is also used by the IT department for connections in each cubicle for computers. Created a corporate list of employees and responsible for the security system, full generator back up systems, Siemens fire system. My responsibilities include managing reception, maintenance, mailroom, café and security. I worked with lawn maintenance crew making landscaping choices regarding flowers, trimming and planting of trees, adjustments to sprinkler system and taking proper care of the 5 fountains on property. Maintain budgets for the facility of \$2.5 million and re-quote vendors yearly Responsible to maintain the buildings and property to keep maintenance costs down.

CGI Corporation, Clearwater, Fl. 2001-2004

CGI, an IT company with 32,000 employees, merged with IMR Global in July 2001 and I was promoted to Facilities Manager which included 2 buildings totaling 130,000 sq ft with 26 cameras throughout the complex. I managed all aspects of the facilities, including security, and created all the floor layouts in both buildings used by the IT department. Had communication with 26 offices all over the world for CGI, handled purchasing for the facility, equipment repairs, and purchasing new equipment. Two generators control the power to the buildings and Halon protection for the Network rooms including managing the security of the buildings, created security's role by scheduling guards, creating badges, protection of the employees and the property. In charge of setting up the Safety Directors and implementing Fire Drills for the safety of the employees. OSHA compliant with the facility and the products used every day.

IMR Global, Clearwater, Fl. 1999 – 2001

The company is an IT company with 3500 employees in offices all over the world. My job as Assistant Facilities Manager included the Security of the Building; responsibility of taking employee photos, creating badges, paperwork for the company. Trained operators and Administrative Assistants to handle incoming and outgoing calls and greet people to the facility. Created training manuals for the front reception desk and, training manuals including instruction for the Security Department to maintain security of the facility. Maintained budgets and worked with the purchasing of equipment, products, services and vendors for the facility. Worked with the mailroom for incoming and outgoing mail and headed up projects related to seminars and travel. The Facilities Manager left and recommended me for the position.

Answer Excellence, Inc., Clearwater, Fl 1996 - 1999

Hired as an operator, answering phones through a sophisticated computerized system, that answers a call, pages a call, patches calls. Promoted to Assistant Manager and responsible for all the normal business day to day projects, working with clients, and building accounts on a total computerized system. Took care of all the collections for the company including Small Claims Court and collected every past due debt. Worked with new trainees coming into the company, formalized the training procedure in the form of a workbook with progress tests. The instruction included behavioral procedures making it easier to teach. This increased morale and drastically reduced turnover of employees. Was asked to and gave a full power point presentation of the procedure dealing with the training of new operators at the last semi-annual ASTI seminar. Our company was awarded one of the best three in the United States, out of hundreds of answering services.

Attorney Bruce J. Kaufmann 1995 - 1997

Started day shift and ended up working at night to help the day shift get caught up with the workload. I handled legal projects, living trusts, criminal cases, contract work, civil cases, and personal injury cases to catch up the attorney.

**SYNERGISTIC ACTIVITIES:**

FMLA – related to Managing a Facility

Siemens Training on Fire and Security Systems

Worked with the Angel Tree Foundation collecting presents for children taken from their family due to abuse.

Worked with the Blood Mobile every 4 months

Clearwater Chamber of Commerce

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**GEORGE TAYLOR**

**TITLE:** Circuit Designer for Sky Train Corp.

**OVERVIEW:** George has experience in engineering for large scale rail modeling and construction. George has expertise in Railroad Modeling, Transportation Electronics, and electrical circuit design. He has been involved in innovative energy research and circuitry design that led to a patented system to power electric vehicles and port machinery. He has experience as an Engineering Consultant and in many different technical disciplines related to motors, power transfer, and system set up.

**EDUCATION AND TRAINING:**

University of South Florida, Fine Arts, Technical Theater, B.A., 1978.

Hillsborough Community College, Liberal Arts, A.A., 1975.

Erwin Vocational Technical Center, Computer Programming & Operation, 1984.

Hillsborough County Clerk's Office, EDU systems, Certification in Network Transmission, Protocols and Systems Repair, 1985.

City of Tampa Traffic Signal Operations, IMSA(International Municipal Signal Association) Certifications (Work Zone Safety, Signals I & II, Signals Bench Technician II, Intermediate Methods of Traffic Management), on-the-job studies of railroad signaling practices and transportation interfaces, 1997 to current.

On the job electronics study of use and applications for studio work in radio, television, recording and live entertainment operations. 1973 to current.

On the job study of structures and materials via apprenticeships with family members who worked as millwrights, shipwrights, machinists, inventors, and carpenters. 1965 to current.

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

Current: City of Tampa Traffic Engineering Department, Traffic Engineering Technician III. Responsibilities: System timings for signal coordination. Signal timings for individual intersections. Signal timings and operation of reversible elevated expressway. Design and implementation of efficient integration of complex vehicle movements through super-intersections.

1997, City of Tampa Signal Maintenance, Signal Technician II.

Responsibilities: field/bench maintenance and repair of signaling electrical and electronic interface units.

1994. Hillsborough County Clerk of the Circuit Court, Clerk II. Responsibilities: Case research and management for the benefit of the judicial system and the public. Also served in Data Processing Technical Section. Responsibilities: Monitor, maintain, and repair computers for judicial division, traffic division and clerk's division.

**Memberships and affiliations** with the Florida Live Steamers, Ridge Live Steamers, Largo Central Railroad, Manatee Central Railroad, Buckingham Central Railroad, Clam Lake Railway, and Moose Meadows Lumber Co Railway. Responsibilities: Building and maintaining track, infrastructure, locomotives, and rolling stock. His specialty is in electric locomotives. 1973 to current.

Teaching threads on Railfan online forums site. Responsibilities: Teaching others to build locomotives and rolling stock. 2006 to current.

**PUBLICATIONS:**

2003 to 2005. Editor-in-Chief of the publication The Signal Tower for the Large Central Railroad. As Editor-in-Chief, primary writer/contributor and publisher, He created a total of 36 volumes of published data, news, and technical articles. During his tenure, The Signal Tower doubled the number of published work pages each month and also pioneered the use of color illustrations and photographs for our circulation. Also during Mr. Taylor's tenure as Editor-in-Chief, the publication experimented with and adopted online delivery of each volume.

**PATENTS, COPYRIGHTS, AND SOFTWARE SYSTEMS:**

1973 to current. Fluency in the following computer languages and applications:

Interpreter Basic, Compiled Basic, COBOL, PASCAL, FORTRAN, C+, SCO UNIX, Dbase I-IV, Paradox, Lotus 1-2-3, Excel, and Access.

**SYNERGISTIC ACTIVITIES:**

Memberships and affiliations with International Municipal Signal Association (IMSA), the Florida Live Steamers, Ridge Live Steamers, Largo Central Railroad, Manatee Central Railroad, Buckingham Central Railroad, Clam Lake Railway, and Moose Meadows Lumber Co Railway.

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**CHRIS BODEN**

**TITLE:** Electrical Circuit Support Staff for Sky Train Corp.

**OVERVIEW:** Chris is President/CEO of The Geek Group. He is a self motivated businessman who started and successfully developed three businesses. He has expertise in Ultracapacitor technology and electronic systems and circuitry and provides invaluable input in configuring the drive systems, energy transfer mechanism, and other product designs.

**EDUCATION AND TRAINING:**

Grand Valley State University 1993 to 1998

Audited physics & thermodynamics classes through to PhD level with no degree desired.

Currently enrolled in small plane flight training with private instructor since 2008.

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

President/CEO

1993-Present The Geek Group, Kalamazoo MI

- Founded The Geek Group, a national federally certified 501(c)3 non-profit science and technology educational organization.
- Manage and oversight of entire operations from starting in a dorm room to having membership and chapters in all 50 states and over 20 other countries worldwide.
- Design and construction of hundreds of projects including High Voltage-High Energy Physics, Robotics, Vehicular Sciences, Electrical and Mechanical engineering, lab facilities, etc.

President/CEO

### **2001-Present Applied Intellect, Kalamazoo MI**

- Founded Applied Intellect, a southwest Michigan based computer sales and repair facility with a target clientele of students, residential, and small businesses. The goal of AI is to raise funding for The Geek Group.
- Created company from small 2 man shop on a workbench in the basement up to a strong and successful local computer shop with a tremendous reach and reputation serving the greater SW Michigan area.

President/CEO

### **1994-Present Mach-1 Productions, Kalamazoo MI**

- Founded a Recording and Production studio with a focus on local bands, radio production, and planetarium production.
- Active experience in broadcast quality media production since 1994.
- Produced thousands of On-Air spots for various businesses, PSAs and other events.
- Full production experience in Analogue (2,4,8, and 24-Track) recording, tracking, mixing, post-production and Mastering.
- Full production experience in Digital (DA-88 8 to 128 Track) recording, mixing, tracking, mixing, post-production and Mastering.
- Extensive experience in Nonlinear Digital Audio and Video editing and production (Sony Vegas, Adobe Premiere, and Adobe On-Location).
- Extensive experience in acoustical engineering and construction of several facilities from small project studios up to and including a complete soundstage/2-studio/vocal booth facility.

### **OTHER EXPERIENCE:**

- \* Extensive experience in Electrical and Mechanical Engineering, Design and Construction.
- \* Extensive experience in Prototypical fabrication, design and construction. This includes a working knowledge of metal, plastic, and wood machining, mold making, fiberglass, industrial wiring and controls, CAD/CAM, and the ability to teach, oversee and manage all of the above.
- \* Extensive experience in High-Voltage/High-Energy Physics (including some of the largest Impulse generators, Tesla Coils, and other research apparatus in civilian hands ever built).

### **SYNERGISTIC ACTIVITIES:**

- \* Extensive experience in computer sciences with a working background in Microsoft, Linux (Gentoo, Redhat, Slackware, Kubuntu, etc), Apple, FreeBSD, and SGI systems.
- \* Extensive experience in communications engineering and systems designs from #5 Crossbar/AESS telephony up to microwave and satellite uplinks.
- \* Trained and experienced precision, performance and test driver. Valid Michigan drivers license with *all* endorsements below a CDL including Haz-Mat(non-CDL), Chauffeurs, and Motorcycle. Can pilot any vehicle from an aircraft carrier to a locomotive (steam and diesel), to a Formula racecar.
- \* Extensive experience in Printing and Graphic Arts including graphics design, logo creation, computer graphics, process-printing (CMYK+) screen, flexography, offset lithography, letterpress, process camera, color separation, manual layout and keylining, color registration, bindery and packaging.

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**FRANCIS P. KNIZE**

**TITLE:** Master Planner for Sky Train Corp.

**OVERVIEW:** Francis is the interface between the various team members to ensure projects meet their goals. He is also STC's Director of Sales, and has been the company Videographer since 2006 to maintain a visual history of innovative research and product development. He is an accomplished Video and Film Director with an emphasis on new communication technologies, new energy, space exploration and development, and environmental issues. He has brought to the table associations with other firms, governmental agencies, political proponents, and relevant organizations.

**EDUCATION AND TRAINING:**

1973-1974 Norwalk State Technical College for Architectural/Engineering Course

1975-1978 University of Bridgeport Film Studies

30 years an Independent Filmmaker/Producer -Company made Commercials and conducted Public Relations projects.

Functioned also as a Video Artist displaying at "The Sono Arts Festival" -a multi-media video sculpture.

**RESEARCH AND PROFESSIONAL EXPERIENCE:**

Mr. Knize formerly was a Design Consultant and Director of Sales for a premier Architectural Engineering firm; ARC International, Inc., specializing in Airport Facility Design, container handling, concessions design, baggage handling design, facilities design. Today ARC is in partnership with Sky Train.

**PUBLICATIONS/FILMS/PRESENTATIONS:**

**Publications:** Science Peer Review issues at NASA submitted to the Whitehouse/OMB upon their request. His ISDC documentary was peer reviewed at NASA in 2002. See: PDF]Peer Review

**Comments** Reverence: Revised Information Quality Bulletin on **Peer Review**. May 28, 2004.

Author; **Francis C. P. Knize**; Producer, Public Outreach Organizer

...www.whitehouse.gov/omb/inforeg/peer2004/42.pdf -

**Report:** Mr. Knize has also served to help define policy issues concerning NASA's mandates and certain congressional acts in reference to NASA. He has also produced reports on Peer Review with respect to the Office for Management Budget's requests for comments from the public. This report to be found at the following link:

<http://www.whitehouse.gov/omb/inforeg/peer2004/42.pdf>

**Documentary:** Mr. Knize is also a formidable Video and Film director, specializing in new technologies communication. He follows a personal mandate to create associations with the finest in the "New Energy" field, Environmental field, and Space Development Industry. Mr. Knize is organizing HD video footage for show at Science Museums and for a future-planned nationally-casted PBS documentary through its Florida subsidiary, WEDU concerning the development of STC's proprietary green innovations for Transportation and Green Port programs. Previously the station followed new technologies incubation programs and activities at the Museum Of Science and Industry.

**Documentary background:** Mr. Knize has spent a lifetime in an investigative role making documentaries. His area of interest is the Law and its definition, and is presently working on several documentaries, including a series on Sky Train with WEDU/PBS and one called *Science and New Innovations*, the Development of Space having made a documentary with interviews at the International Space Development Conference.

**Documentary: *The Greening of Staples High School:*** Report on remyc.com/stapleshs.html : about Bill McDonough, founding member of the American Institute of Architects Committee on the Environment, and currently on the board of the US Green Building Council. It aired on Norwalk Cablevision Channel 77. It addressed issues of sustainability.

**Documentary:** Mr. Knize's activities also include government agencies involved with the exploration of space and new technologies. His latest documentary "*ISDC 2005; A Vision For Space*" involved interviews with National Space Society attendants, astronauts, NASDA scientists, some of whom are



pivotal to actual development of a culture in space, and colonization/habitation of the Moon and Mars within the next 10 years.

**Documentary:** *The UFO Issue: A Matter Of Public Policy* functioning at the highest levels of government.

**SYNERGISTIC ACTIVITIES:**

He offers to the network-broadcasting arena innovative, imaginative, and compelling projects in science, which represent the cutting edge of our technological society, and to show the pathways for which the human future lies.

Mr. Knize has been active as a Public Outreach and Educational Outreach producer for over eight years, offering communications projects to NASA that coordinate with science museums around the country, and outstanding science classrooms and teachers.

Mr. Knize has also been active in the enforcement of the Data Quality Act, to ensure that NASA's space probe data retains its credibility, reproducibility, integrity, and transparency within the agency's archives. Mr. Knize also believes there can be much improvement concerning the communications abilities through the NASA Public Affairs Office, where better flexibility and acceptance of a variety of public relations ventures would be suitable policy for that department & to improve dissemination capability. He also serves to improve NASA's mandated connection (NASA Appropriations Act of 2000; Section 314) with outside entities and scientific groups for discussion and peer review of SETI topics. Mr. Knize continues to help shape Public Policy in Space, New Technologies, and Law.

He has advised the Select Committee on Energy Independence and Global Warming. In 2008, he was one of three individuals who testified in front of the review committee of the Judicial Conference concerning the Judicial Conduct and Disability Act of 1980.

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**KIMBERLY M. WOOD**

**TITLE:** Grants Manager for Sky Train Corp.

**OVERVIEW:** Kim uses her strong organizational skills to identify the necessary documentation and set up the paperwork to meet project objectives. She writes grant and investment proposals, researches grant requirements, and coordinates completion of all required documents and tasks. She also manages website content, and is responsible for STC's recordkeeping. She has prior experience in automotive assembly tool design and engineering, with knowledge of various phases from inception to production for manufacturing facilities.

**EDUCATION and TRAINING:**

Avatech Solutions – Tampa, Fl.

AutoCAD 2009 Core Concepts Certificate 2008

Wayne State University – Detroit, Mi.

Major - Technical & Interdisciplinary Studies Bachelors Degree (BTIS) 2004

University Of Phoenix – Troy, Mi.

Major - Business Management 2001 to 2002

Macomb County Community College – Warren, Mi.

Major - Tool, Fixture & Die Design Associates Degree 1980

Major – Drafting Certificate 1978

Michigan State University – Lansing, Mi.

Major - General Studies 1976-1977

**Honors:**

Honorable Mention WSU Otto Feinsein Award for Excellence in Writing Senior Capstone Essay 2004.

WSU Deans List for outstanding academic achievement 2003-2004. Outstanding Industrial Cooperative Internship Award 1980 from MCCC while working for GM.

**RESEARCH and PROFESSIONAL EXPERIENCE:**

**PROFESSIONAL EXPERIENCE:**

Sky Train Corporation – Palm Harbor, Fl. 2008 to present

Title: Grants Manager

Grant research, proposal preparation, and coordination of tasks to complete per award requirement, web updates, and recordkeeping.

General Motors (GM) Technical Center in Warren, Michigan

Title: Manufacturing Engineer & Associate Engineer

Previously Kim worked in automotive tooling design and engineering. She was responsible for the follow-up on the design, build and installation of assembly tooling while working in Production Engineering. She coordinated completion of automotive assembly tooling in the Body-in-White group & was the follow-up Engineer on 1986 Cadillac Stretch Limousine and Respot Weld Line at GMAD Orion Plant. She assisted the Engineer-in Charge with coordinating & monitoring the progress of Body Shop readiness at the General Motors Assembly Division Orion Plant Start-up Pilot Program where she was primarily assigned to the Car Trac II, Robogate & Lay Down Body Sides areas.

GM Plant 21 –Detroit, Mi.

Title: Draftsman - experience in manual and CAD drafting, detail and design of auto body checking fixtures, auto body assembly tooling, and creating process manuals. She designed tooling for mid-size vehicle product lines while working in the Design Department at GM's limousine manufacturing facility.

Koltanbar Engineering in Troy, Mi.

Title: Draftsman

Detail and design of auto body assembly tooling.

Other Experience:

Kim has a diverse professional background including experience in Customer Service Account Management in Production Control and Logistics at Delphi Energy & Chassis World Headquarters in Troy, Mi. where she was the Department Representative for the Orders to Cash Team for conversion to new data management software.

Furthermore, she was a Manufacturing & Vehicle Systems Engineering Technician in Interior Trim at GM Great Lakes Tech Center in Flint, Michigan, worked as a Receptionist at a tax office, and did Bookkeeping, Accounting, and Clerical work for an accounting firm.

### **SYNERGISTIC ACTIVITIES:**

#### **Professional Memberships:**

Member of the Society of Manufacturing Engineers 2006 to present

This **outstanding Sky Train/NuEnergy team** is compiled of experts in their fields, including advanced technology research in electrical and transportation systems, manufacturing and architectural engineering, finance, marketing, electronic circuitry, facilities, and in the alternative energy industry. The team has a proven record of creating and implementing cutting edge technologies and will use this expertise to support the advanced transportation market. The manufacturing plant in the eco-sustainable city of Destiny, Florida will provide some of the energy efficient products to support the further development and realization of the electric vehicle and monorail markets.