

Diversified Technical Services Inc.

Commercial-Industrial Electrical, Mechanical and Solar Contractor

Phoenix, Arizona

December 2, 2008

National Science Foundation
4201 Wilson Boulevard
Arlington, Virginia 22230

To: NSF Review Board,

Re: Sky Train Corporation Grant number NSF 08-548

I Dan Parmley, CEO and major stockholder of Diversified Technical Services, Inc., now in our 30th year, we supply Federal, State and Local governments with custom package equipment like backup generators and components. Also my research company TEECO is also doing research with 7-patented technologies regarding energy saving devices.

Our present intent is to work with Sky Train Corp (STC) by forming a Strategic Alliance on this innovative Energy and Power Management grant. Also we can assure you of our hands-on knowledge, having personally learned about cranes by actually repairing them.

Mr. Guenther CEO of STC and I have talked at length about this project with Maxwell Technologies and with Ports of Long Beach and the Port of LA. I know that he personally met with several persons at the port of San Diego and the crane manufacturer in Tampa Florida.

At STC's suggestion we would be one of the teams that would retrofit existing port cranes in and other lifting equipment gaining lower fuel consumption and above all, less pollution. Retrofitting existing cranes costing from \$3 to \$10 million each will save their replacement that could easily take 50 years or more and reduce their pollution levels accordingly much sooner at a low cost.

Locations that have lifting machines throughout the nation could be marked for upgrades and fuel savings. It is felt that the owners would be happy to fund their carbon footprint reduction while in the long run gaining a payback for their effort in increased electrical component life such as motors, switching solenoids, saving on maintenance cost, downtime, and diesel fuel savings.

Although the award of \$100,000 is a small beginning it is expected that the state of California will also fund this novel idea of upgrading the past cranes to today's and future technology standards.

I hope that funding on a fast track basis becomes available to start this project and can think of no better starting point as cranes with spreaders weighing between 5 to 10 tons moving a heavy container every 1 ½ minutes in days long sequences, stopping only long enough to change operators.

Regards,



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