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IHLRP

INTERNATIONAL HUMANITARIAN LANDMINE REMOVAL PROJECT

Affiliated with

HUMANITY RESOURCES DEVELOPMENT, INC.

www.HRWDP-IHLRP.com

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HUMANITY RESOURCES WORLD DEVELOPMENT PLAN (HRWDP)

PROJECT **IHLRP**

FUNDING REQUIRED: **US $1,000,000,000**

NAME OF THE PROJECT: ***Plasma Gas Engine***
United Technologies International, LLC (UTI)
Developing Nations - HRWDP/UTI
Approval #: WCPUN/Broz/8-00/MSC/032798-2-10

PROJECT LOCATION: **37 Countries (landmine infected) / additional up to 45 - 63**

(Afghanistan, Angola, Azerbaijan, Bosnia and Herzegovina, Cambodia, Chad, China, Columbia, Croatia, Cyprus, Denmark, Ecuador, Egypt, El Salvador, Eritrea, Ethiopia, Falklands Islands (Malvinas), Georgia, Guatemala, Honduras, Islamic Republic of Iran, Iraq, Republic of Korea, Peoples Republic of Laos, Latvia, Lebanon, Liberia, Mozambique, Namibia, Nicaragua, Rwanda, Somalia, Sudan, Ukraine, Vietnam, Yemen, Yugoslavia, ***plus Neutral (safe haven) Nations, such as:*** ***Asia*** *- Thailand, Philippines;* ***Africa*** *- Kenya, Tanzania, Gambia, Ghana;* ***Baltic Countries*** *- Czech Republic, Bulgaria, Romania,* ***United States, Canada and United Kingdom***

PROJECT MANAGER(S):

JOHN J. BROZ
President, Humanity Resources Development, Inc. (HRDI)

John J. Broz, has earned a BSBA, MBA, DBA (Doctor of Business Administration), Honorary Doctor of Humanities, Registered Real Estate Broker and a Registered Mortgage Broker. He is currently the President of Humanity Resources Development, Inc. In addition to his current position, he is also: Director, Marketing Education Corporation, and a Volunteer in the Eucharistic Minister of Sacred Heart Church. His recent appointment was an Appointment-affiliate organization with United Nations. His past positions include, President - Monetary Development, Inc., and Chairman of the following organizations: Educational Committee - Pan American Hospitality Exposition Director, State of Florida Restaurant Association; President, Palm Beach County Restaurant Association; President - Palm Beach County Hospitality Education, Inc.; and Former Instructor – Palm Beach Community College.

STEVEN JEFFREY LOWELL
Mission Director - International Humanitarian Landmine Removal Project (IHLRP)

Steven J. Lowell went to the School of Applied Aeronautics, at Keesler AFB, MS and earned an Associate Degree that is equivalent to an Associate Degree in Electronic Technology. He joined the United States Air Force in June 1972 and received an Honorable Discharge as Sergeant (E-4) in November1975. Steve is the Mission Director for International Humanitarian Landmine Removal Project. He is also the current Office Manager and Research Assistant for Light Warrior Press, Ltd, a Christian Publishing Company, since September of 1996. Currently, Steve is

a Consultant in the International Arena and has a background in bank debentures/instruments, petroleum, precious metals and other commodities. Recently, because of his exemplary performance, overall accomplishments and contribution to society, Steve received two nominations: first nomination was, from the Governing Board, American Biographic Institute of Editors for inclusion in the 10th Edition of the "International Directory of Distinguished Leadership", for the World, Select

Leaders of the Century, and the second nomination was, from the American Biographical Institute Board of International Research, for "Man of the Year 2000" award, which is reserved only for men who have significantly enhanced world communities and professions.

JOHN JALWANG (**JOHN RUACH)** - John went to the University of Khartoum, from 1970 - 1974 and graduated with a BA degree. He received his Post Graduate Diploma from the University of Birmingham (1980 - 1981) - Institute for Local Government Studies; he went to the University of Liverpool, England, from 1981 - 1982 and received his MPA degree. His past positions include: Private Secretary to the Minister of Finance - The Ministry of Finance and Economic Planning, 1975 -1976; Private Secretary and Office Manager - The Commissioner (now Governor) Jung lei Province, Sudan, from 1976 - 1978; Inspector/ Senior Inspector - Ministry of Regional Administration, Police, Prisons, Legal Affairs and Coordination, 1978 - 1983; Chief Executive - The Regional Ministry of Administration, Police, Prisons and Wildlife, Upper Nile Region, Sudan, 1984; Appointed Minister of Finance and Economic Planning - Upper Nile Region (did not take up the portfolio), 1984 -1985, Deputy Director - Merseyside Racial Equality Council, Liverpool, England, 1991 - 1992; and, Associate - Institute of Human Aging - the University Liverpool, England, 1992-1994. His current Membership includes: Social Security Tribunal - Liverpool; Executive Committee - Princes Park Management and Granby Community Council - Liverpool; Management Committee - Liverpool Student Community Action; Executive Committee - Merseyside African Council; Board of Directors - Crawford House Community Partnership - Liverpool; Founding Member, Lodge Lane and District Credit Union. John is the Founder and Current Director for The Global Vision Institutions. Because of his diplomatic career, he is able to solve community problems incurred by the innocent and suffering people.

<u>The following are the key people that would assist John Broz, Steve Lowell, and John Jal Wang:</u>

KEITH MARTIN - His experience includes, assisting in the formation of the US Navy Seals.

HAROLD SCHILLINGER - He is one of the two main demining contractors for this project.

LEO VAN VOGEL - He is one of the two main contractors in project. Leo is the Vice President - Asia Operations, for World Council of Peoples for the United Nations

Sgt. Major, HAROLD "Jake" JACOBSON - He has recently retired as President for Special Forces Association, USA, in June 2000.

BERNIE BUCHTA, Retired Colonel - He was logistics Officer at the Warren Tank Automotive Command Center and the Maintenance Officer (over 230 helicopters), during the time of his career.

JAMES WIMBERLEY, Retired Lt. Colonel, USAF. He was Squadron Commander for the 927th Civil Engineer at his retirement.

JIMMY SABORI - From 1975 until 1985, Jimmy helped established wind turbine parks in California installing sub-stations switching stations, transmission power lines, underground power lines and buildings for electrical power production. Jimmy was with Joseph Papp and his thermonuclear Plasma Engine, from 1985 - 1989. Mr. Papp died in 1989, leaving no knowledge of his technology. His engines and equipment are still held in a government bonded warehouse, under probate court order in Florida. From 1989 - 1995 Jimmy has perfected his electro magnetic engine successfully testing in concept in a one cylinder engine under his research and development project. Patent application was applied for on October 20, 1994 and international patent application will be complete by October 20, 1995. A prototype engine of two cylinders capable of producing up to 350 horsepower is nearly completed. Others of four, six and eight cylinders with power capacity of up to 2,000 H.P. can be produced if desired. Presently, Jimmy wishes to sell license agreements worldwide to assemble and/or manufacture the "Sabori" Electro Magnet Engine. Joint venture agreement will be drafted with willing investors for specific areas or nations with a large upfront license payment, joint venture or royalty payment. Presently, Jimmy is negotiating with Japan, Malaysia, Mexico, South Africa and Poland.

Plasma Gas Engine

United Technologies International, LLC

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Executive Summary

Existing Energy Sources

It is a well-known fact that the major pollution is caused by the combustion of fossil fuels for energy production. Approximately by 50% of this pollution is caused by automobiles emitting carbon monoxide and other pollutants. The other 50% is caused by industry and power generating facilities. When power plants burn high-sulfur coal, they emit into the atmosphere sulfur dioxide, the major component of acid rain. Nuclear energy, besides being a very expensive source of electrical energy, is a very dangerous source, as evidenced by the Chernobyl disaster. In analyzing the continued use of fossil fuels as a source of energy production for the future, one must consider the immense damage these pollutants cause to our precious environment. Also important to consider is the fact that the United States is depending on imported oil for over 50% of its oil needs. The price of oil can once again escalate due to the demand/or political maneuvering by foreign producers. We are told that the world supply of oil is depleting at an alarmingly rapid rate.

The Product

In experimental plasma physics, instabilities have been detected which have not yet been classified from a theoretical standpoint. If correctly applied, plasma gas instabilities can form a longitudinal (non-Hertzian) pressure wave. In order to prevent the plasma from breaking apart or annihilating
itself, a magnetic field in the direction of the plasma thread or plasma core is utilized in order to maintain the plasma for one millionth of a second. A magnetic field is created by three sets of coils wound around the hollow torroidial cylinder containing five inert gases with a direct current of 24 volts (i.e., two normal 12 volt car batteries). Thus, it is imperative to design a cylinder that is capable of utilizing the exact amount of plasma gas and potential voltage that may be from 1/10 to 1/100 atmosphere and able to absorb the pressure wave generated within the vacuum system.
Thus, an engine can be produced to turn a standard generator from 5 kilowatts to a megawatt for home or building's power consumption. There is also a wide range of potential applications for the invention.

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Plasma Gas Engine is an engine that can be utilized as a form of an alternate energy by use in turning a standard generator from 6 kilowatts to 1 megawatt for a home or building power consumption. This is accomplished utilizing a magnetic field created by three sets of coils: wound around a hollow torodial cylinder containing 5 inert gases. Net results include: Zero emissions, zero pollutants, and runs for thousands of hours on a single charge at a cost of about US $1.00, per cylinder. Can produce 1,000 lbs. of torque at 700 RPM with many other technical features and physical and financial benefits.

FOSSIL FUEL TO PLASMA GAS ENGINE COMPARISON

Fossil Fuel Engine	***Plasma Gas Engine***
Needs air to operate.	Is vacuum-sealed. Can operate in space. No atmosphere required.
Operate off gasoline combustion.	Cylinder moved via gas expansion.
40% - 50% of the fuel lost via exhaust emission.	No fuel lost. No emission.
Needs constant re-fueling.	Runs for thousands of hours on a single charge for about $1.00 per cylinder.
Is almost non-functional at 700 RPM.	Can produce a 1,000 ft./lbs. of torque at 700 RPM.
Water coolant required.	No cooling system required.
Carburetor or fuel injection.	No carburetor. No fuel injection system.

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The Power Plant Building

The stationary electric power generating units will be installed in a Butler built steel frame building housing as many generating units as required to produce 20 or 40 megawatts of electrical power. Each unit will have a separate power meter and panel control system. Wiring will be underground conduits from the unit to the transformer. At one end of the building will be a maintenance shop equipped with tools and spare parts for on the spot minor repairs. Restrooms, showers, and a dining area will be included.

Upstairs will be the control panel for the entire generating units, data control, computer printout data systems and safety circuit breakers. Wall type double pane glass windows with easy viewing for operating engineers will be installed. The building will be insulated in order to reduce external heat and to minimize noise decibels. Air conditioning will be implemented to accommodate computer operations. Location of the power plant building will be as close as possible to the main sub-station of the utility company and power grid so as to minimize the cost of extensive transmission tie lines. A strict security system will be located within the building and at the gate entrance. The costs for such a building can vary from US $ 250,000 to US $ 500,000 according to size and conditions required.

PLANT DEVELOPMENT SABORI TECH COSTS

DESCRIPTION	*AMOUNT*
Total Hard Costs Estimate	US$16,062,250
Total Soft Costs Estimate	1,981,000
	18,043,250
Plant Development Costs (20%)	3,608,650
Total Estimate Twenty Megawatt Pant Costs	21,651,900
Inflationary Factors	570,322
TOTAL	US$22,222,222

PRO-FORMA

Ten (10MW) Megawatt Power Plant

Estimated 10 MW Turn-Key Costs: @ $11,325,950

Estimated Monthly Power Production		**Estimated Yearly Power Production**
KW/h 30.5 days	7,300,000	87,600,000 KW/h
Down Time (5%)	- (365,000)	- (4,380,000)
Net Estimated KW/h	6,935,000	83,220,000 KW/h

Estimated Monthly Revenue		**Estimated Yearly Revenue**
@ $.07 KW/	$ 485,450	$ 5,825,400

Expenses

* Maintenance	25%	($-121,363)	- ($ 1,456,350.00)
Management	5%	(- 24,273)	- ($ 291,270.00)
Royalties	6%	(- 29,127)	- ($ 349.524.00)
Totals	**36%**	**(- 174,763)**	**- ($ 2,097,144.00)**

Estimate Monthly Income		**Estimated Yearly Income**
Estimate Net ROI	$ 310,687	$ 3,728,256
Estimated 5 years		$ 18,641,280
Estimated 10 years		$ 37,282,560
Estimated 20 years		$ 74,565,120
Estimated 30 years		$101,847,680

* **Maintenance and Warranty Includes:**

Engineering Costs	Fuel Costs
Operations Personnel	Payroll Taxes
Maintenance & Repairs	Ad Valorem, Taxes
Licenses - Permits	Insurance
Security	Parts Replacement

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PRO-FORMA POWER REVENUE

If all power were sold at an average of $0.07 per kilowatt, then the gross income per megawatt would be $582,540.07 per year. The net profit estimated to be US $ 310,678.00 per megawatt before taxes. This is not taking into consideration the fact that some SO4 contracts have an escalating rate schedule which would double the KW rate and an S01 contract would increase with the rate increase of fuel oil to the Utility companies.

Operating Year Year	***MW Brought On-Line***	***Total MWS Producing***	***Annual Profits On Power Sale***
1	200	200	$ 67,574,640
2	400	600	$202,723,920
3	400	1,000	$405,447,540

With the above estimated power revenue, it can be readily assume that $ 5,000,000 can increase production and well over $ 1,000,000,000 USD.

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