



ASAP POWER! presents...

S. D. E., LTD./Israel

**SELLING POWER PLANTS
FROM SEA WAVES**

The Company

S.D.E. is a world leader in the planning, building and marketing of power stations, producing power from sea waves. S.D.E. has designed a proprietary technology for production of electricity through "harvesting" sea wave motion, even in the hardest weather conditions. Rising oil costs and the worldwide shortage of electricity make this system very attractive. This technology can also be used in conjunction with a desalination plant, cutting the cost of desalinated water dramatically. SDE has a U.S. Patent, with further patents pending worldwide. The project is approved and partially financed by the Chief Scientist of Israel. SDE has been granted a governmental concession without tender to produce and sell 4MW of electricity for 20 years, at 5.25 cents per kWh, when the production price is less than 1 cent. The company, which is currently negotiating with a number of private and governmental companies worldwide, holds potential orders for some US\$300M and has received an advance to design its first unique power plant in India. The system can also be used in conjunction with desalination units, reducing the cost to \$0.25 /M³.

The Power

SDE's method consists of using sea wave motion to generate hydraulic pressure, which is then transformed into electricity. The system takes advantage of the wave's speed, height, depth, rise and fall, and the flow beneath the approaching wave, thus producing energy more efficiently and cheaper than both other sea-wave and conventional technologies which require vast amounts of land space for their ash removal facilities, coal storage space, chimneys, furnaces, and coolers. The system has a potential to produce a net of 38kWh per meter of beachfront occupied (worldwide average). Manufacturing cost for a 1MW system is around US\$500K and production cost less than 1 cent per kWh. Other advantages of the system include protecting the coastline from the destructive forces of the sea and operating as wave breakers. With the wave power available all over the world, this system would have the ability to supply 500 times the electricity needs of the Earth's population.

Development Stage

A number of models have been built and tested. A 40kW model operated with enormous success, and with the highest efficiency recorded in the world.

Clean and Renewable Energy

Coal burning techniques contribute to global warming and the destruction of the ozone layer, causing changes in weather patterns, a rise in ocean level and temperature, and even the increasing prevalence of hurricanes according to some scientists. According to the World Health Organization, air pollution kills twice as many people as irresponsible drivers. In order to prevent the environmental disaster predicted by scientists around the world, the EU and several other countries have decided to convert up to 15% of electricity production to non-conventional, clean methods. Consequently, 4 nuclear power plants were recently shut down in Switzerland, and 7 others are on the way down in Germany. The system produced by SDE offers clean and renewable energy, an alternative solution that has additional benefits--not additional hazards.

Expected Revenue and Financing

The expected annual revenue from a 10MW power plant operating at 90%, with output 75% of the year is approx. \$3.1 Million, and net profit of around \$1.6 Million. The system is designed to return the initial investment within three years.

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