

PRESS RELEASE

Athens, 23 – 26 November 2006

INTERNATIONAL FAIR “ENERGY 2006”



Deputy Minister of Development Mr. A. Neratzis is being informed by Mr. G. Lagios (Tropical S.A.), Mr D. Ligoura (Helbio S.A.) and Mr G. Linardi (EAS S.A.) for the joint cooperation project for the development of the portable power generator EAS-FC 1000 with 1kW power and voltages ranging from 24 & 72VDC as well as 230V AC / 50Hz using hydrogen PEM fuel cells.



Deputy Minister of Development Mr. A. Neratzis is being informed by Mr. G. Lagios about the operation of the first 2-seated hydrogen car produced in Greece, for the perspective about the construction of a hydrogen minibus operating at the center of Athens as well as for the hydrogen fuel cell power generators which have thousand of applications.

The International Exhibition ENERGY 2006 took place in Athens from the 23rd to the 26th of November 2006 participating hundreds of organizations from Greece as well as from all over the world presenting interesting and innovative products. At ENERGY 2006 Tropical S.A. presented its hydrogen fuel cell power generators ranging from 1kW to 20kW as well as the 2-seated hydrogen car, “GreenCar”, and in general there have been introduced important systems and innovative products that related to Renewable Energy Sources as well as hydrogen technologies. Great interest was shown from all visitors to the power generators which operated throughout the fair and there were noiseless and with zero emissions as well as the educational / demonstration products which anybody could play with. Also, at the EAS S.A. stand as well as Tropical S.A. stand was visited by the **Deputy Minister of Development, Mr. A. Neratzis**, informed by Mr Lagios about the cooperation of Tropical S.A. and EAS S.A. which led to the development of a portable fuel cell power generator using hydrogen as fuel.

To conclude, the all new air conditioning unit was presented based on the “**inverter**” technology and Tropical S.A. is the only organization world wide that had developed such an air conditioning units for vehicles and refrigerating chambers using that technology which in the future will be used on the hydrogen fuel cell vehicles that will be manufactured by our company.

ΕΚΘΕΜΑΤΑ ΣΤΗΝ ΕΝΕΡΓΕΙΑ 2006



Tropical S.A. presented the all new power generator TFCH-5000 producing 5kW electric energy as well as 5kW hot water (thermal energy) using the fuel of the future, hydrogen. This power system provides solution to the powering demands for urban and cottage houses as well as in industry as UPS and back-up power.

Type: TFCH-5000
Power: 5 kW (made to order up to 20kW)
Voltage: 12 or 24 or 72 VDC and 110/230 VAC
Fuel: Hydrogen 99.99%



The cooperation between Tropical S.A. and Helbio S.A. lead to the development of a power system which uses natural gas, LPG or propane as a fuel, the HT-1000.

This power system provides solution to the powering demands for military applications, special vehicles, houses, caravans, yachts, etc. Its power is 1kW (made to order up to 20kW) and its voltage 12 or 24 or 72VDC as well as 110/230VAC.



Tropical S.A. presented the first in the world air condition unit for vehicles based on the “Inverter” technology, TROPICAL – INVERTER. Based on this research on the fuel cell systems which use the inverter technology, the last five years research and development took place for air conditioning units having that technology. This air conditioning units have better understanding of the needs of its end user managing at the same time the electric consumption to be at its highest efficiency levels thus increasing lifetime and keeping the costs for servicing at the lower than conventional air condition units.