

SERVICE



MAINTENANCE



REPAIRS



ASSEMBLY



HANNAIK

ENERGY & WATER SOLUTIONS

We are able to provide a 24/7/365 (24 hours a day/ 7 days a week/ 365 days a year) customized support and maintenance services. Any service intervention is diagnosed by our specialized technician and presumes a careful and competitive budget. Therefore, maintenance performed by HANNAIK, comply with all the requirements stipulated by manufacturers. Aware of these duties as well as the willingness of users to properly maintain their equipments, we provide preventive and corrective maintenance contracts, if desired by our costumers. All stationary equipment requires installation and assembly in the designated location: HANNAIK has technical skilled teams qualified to perform the installation of our equipments. HANNAIK guarantees its equipment by 24 month period in emergency status or 12 months in continuous process without maximum working hours limit.

WHERE ARE WE



FROM PORTUGAL... TO THE WORLD!



ENERGY SOLUTIONS

HYBRID GENERATORS

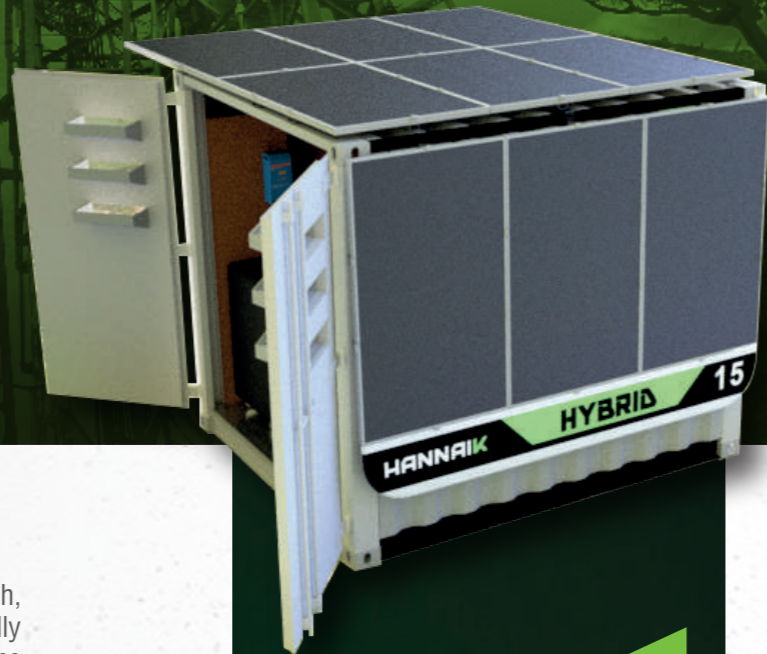
HANNAIK

Rua da Paz - Quintã do Loureiro
3800-587 Cacia - Aveiro
Portugal
+351 234 916 210
+351 234 916 211
www.hannaik.com
info@hannaik.com

MSGROUP
MARQUES DOS SANTOS
www.msgroup.pt

www.hannaik.com

HYBRID GENERATORS



Hannaik presents a new set of hybrid generators which, even when switched off, provide stored energy partially from a renewable source. The generator starts only in the absence of stored energy or when loads are higher.

We present a compact solution, integrating all the components in a reduced space. Motor, alternator, batteries, inverter, protections, cables, connections and control board for the management of the equipment are incorporated into a cabin of attractive design on the surface of which the renewable energy source is installed. All equipment is properly installed to withstand rough weather and to facilitate the transport of the generator set.

RENEWABLE POWER SOURCE OPTIONS



SOLAR

WIND

8kVA

15kVA

PETROL

DIESEL

GAS

50/60HZ

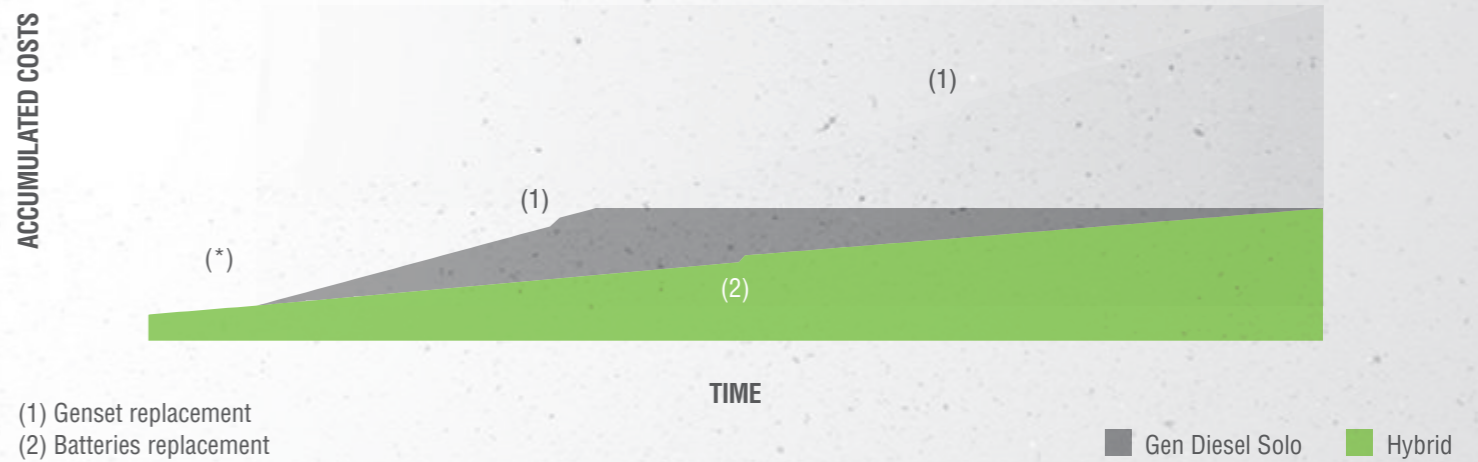
AC/DC

OPERATING DIAGRAM



RETURN OF INVESTMENT IN THE 14th MONTH

After 10 years, the value invested in the hybrid generator represents only 65%



ECONOMY

(*) Expected payback: 18 months
Overall cost reduction up to 61%



LOW MAINTENANCE

Timelife: up to 2.5 x
Cost reduction up to 65%



LOW FUEL

Cost reduction up to 60%



GREEN POWER

Renewable source
More silent solution

(*) 10 year prediction calculated based on local conditions

PARTNERS

KOHLER

Perkins

Kubota

WEG

meccalte

LEROY-SOMER

STAMFORD