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PV Diesel Hybrid Irrigation Systems

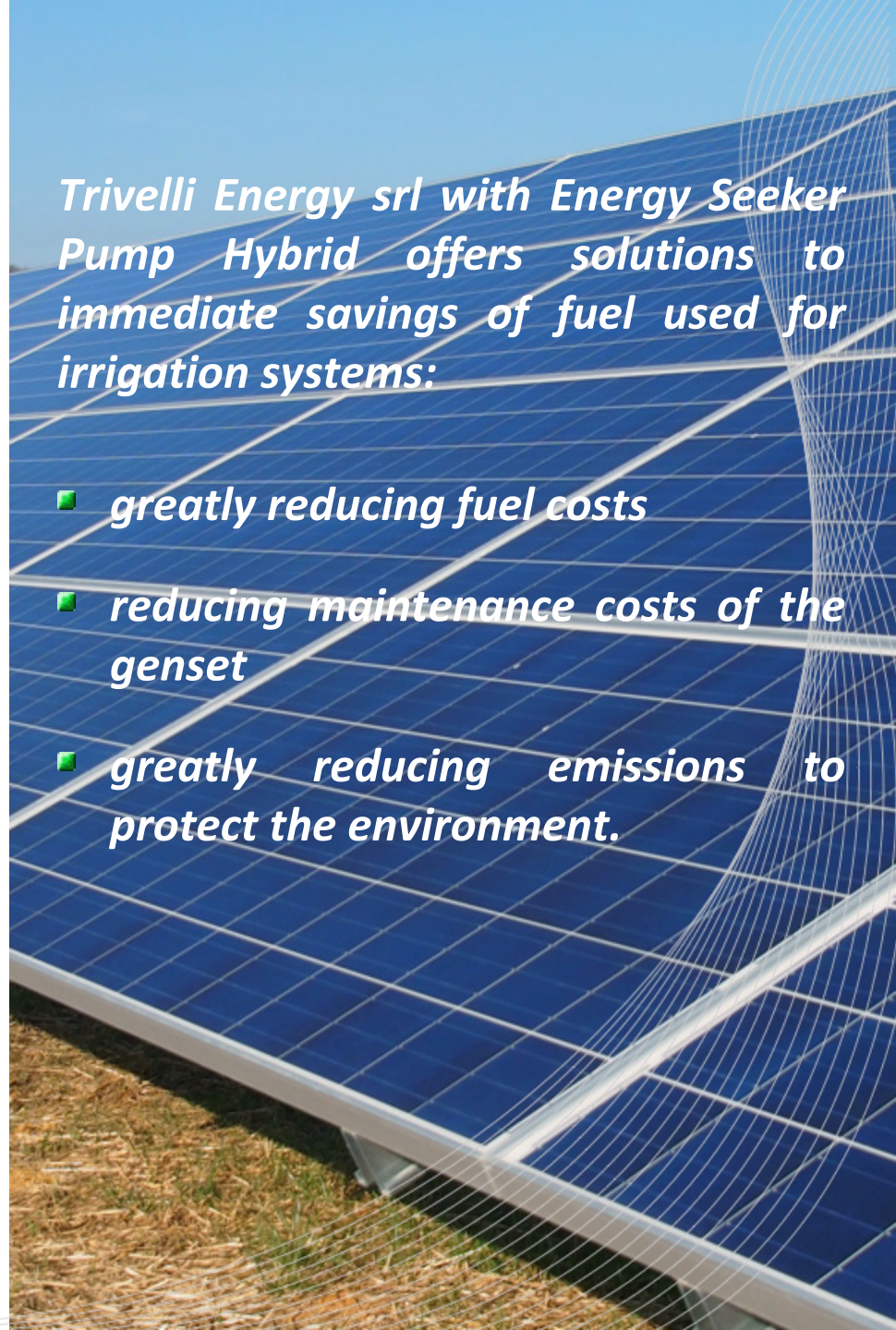
Energy Seeker Pump Hybrid saves fuel and decreases pollution.

- Easy installation, plug and play
- Low cost
- Suitable for hot climates
- No maintenance
- Easy to use



Trivelli Energy srl with Energy Seeker Pump Hybrid offers solutions to immediate savings of fuel used for irrigation systems:

- *greatly reducing fuel costs*
- *reducing maintenance costs of the genset*
- *greatly reducing emissions to protect the environment.*



The production of energy for pumping is very expensive, and does not guarantee certain costs, the system developed by Trivelli Energy srl. allows to have large amounts of energy by maximizing the fuel economy and at the same time ensures the programmability of the system even in case of prolonged absence solar power.

Your Benefits and Advantages

- Immediate cost savings
- Quick and Easy application
- Modular and Scalable system
- Easy integration of the photovoltaic into the existing facility
- Low Carbon Footprint
- Fast Amortization

Old system



New > Fuel saving system





Application example :

Maroc, 15 Kw submersible pump (well -130mt – pump level – 80mt)

Before installing Energy Seeker Pump Hybrid, the consumption of diesel was 98 liters / day with a 25Kw GenSet, approximately 16 hours of operation per day.

After installing the Energy Seeker Pump Hybrid fuel consumption was around 45 liters / day, a saving of 53 liters / day of diesel.

Considering a price of diesel in Maroc is about € 0.8 / liter there is a saving of € 36.00 / day

The system has cost € 18,500.00 installed, so it has a payback period of 17 month; extremely fast, considering an operational lifetime of 25 years, Energy Seeker Pump Hybrid generates a gain of more than € 250,000.00

In addition it must be considered that the lower working time of GenSet, also reduces the maintenance costs of the motor and the consumption of lubricating oil, and of course less pollution for about 900 tons of CO2 during the life cycle of the system.



Robust and proven technologies, inspired by innovation, safe, durable and easy to maintain: our products are our commitment for a better future of new generations.

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