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Presentation marine application Fuel Free Power Magnetic Generator **INFINITY MG10**



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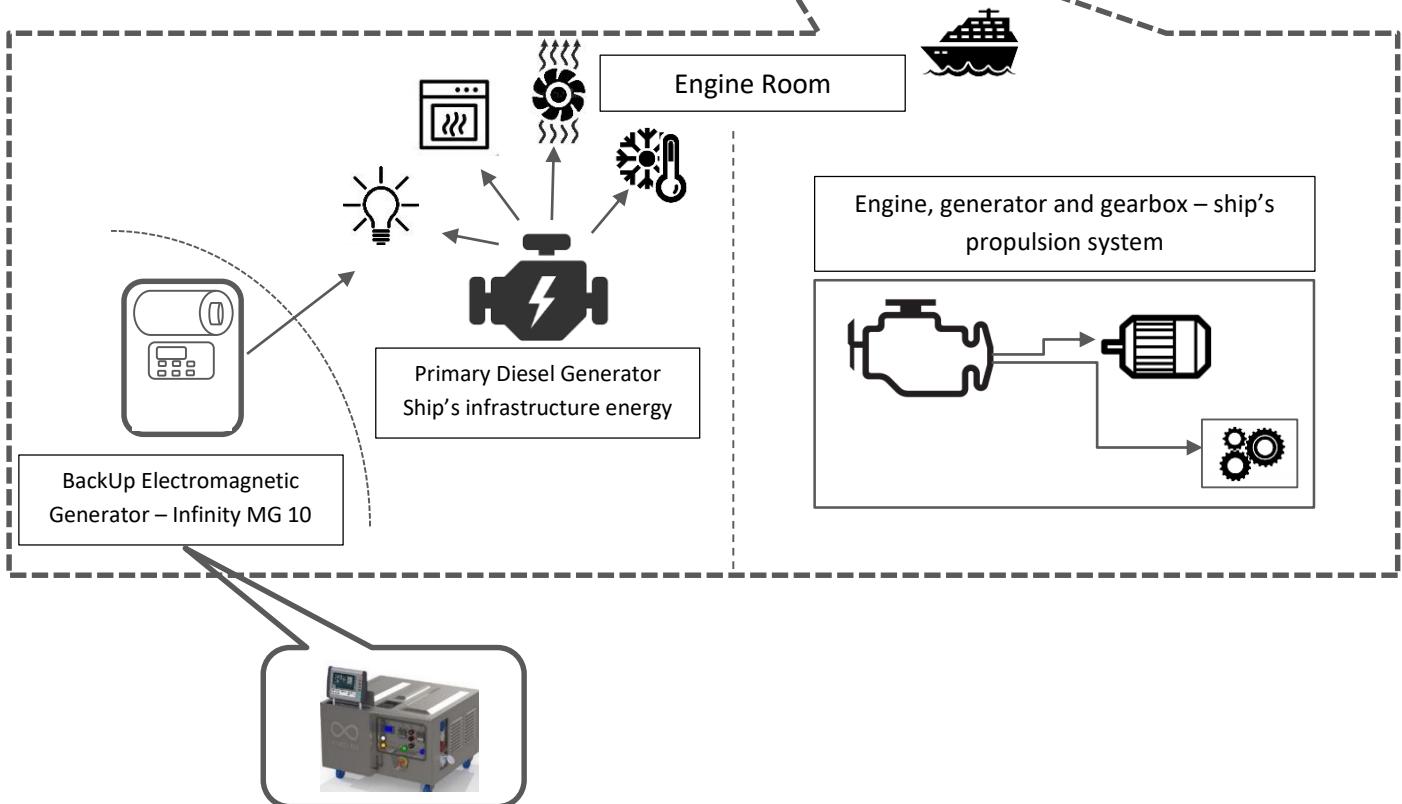
Fuel Free Power Magnetic Generator



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“INFINITY MG 10”





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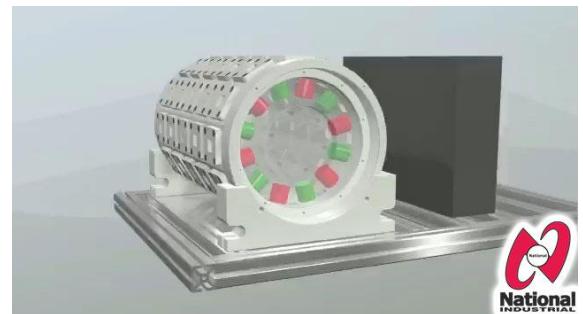
The electromagnetic generator is a system to supply the ship with power 24/7 (as a backup generator in the first phase). This generator is equipped with a UPS system in order to flatten the peaks occurring when many users start to use the infrastructure at the same time and to store the energy produced by the generator while the system is not in use.

During the time between charges the unit is running on low RPMs or stands still and is slowly recharging the batteries of the ship. The system monitors the station and turns up the RPMs of the unit automatically when more power is needed. Our system is the optimal low-cost, self-sustaining solution which requires minimum maintenance and has an extreme long life.

Introduction

The “INFINITY MG 10” produces clean, green energy, twenty-four hours a day, seven days a week, three hundred and sixty five days a year, using electromagnetic engine providing power which drives a regular electric power generator motor by mechanical transition of the rotation of the engine to the generator. This technology uses the permanent magnet field of a rotor driven by a controlled electromagnetic field of the stator in a manner that allows it to produce enough energy to drive the generator and supply the control automatic to steer the magnetic field of the stator to perpetuate the cycle and to supply the rest of the energy to the consumer.

Existing technology, that is used to produce green energy is ether wind or solar is marked by various flows and problems, that make this technologies ether not feasible financially or very complicated in management or disturbing to people and nature.





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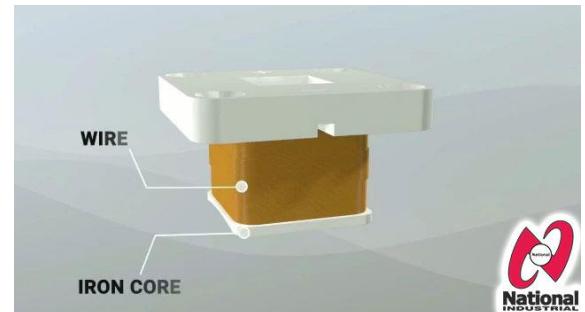
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Solar systems knowingly have a relatively high production and installation costs and require a lot of effort in kipping them intact during the usage, they require a lot of space and are not applicable in regions with low sun activity.

Wind turbines are even more expensive and complicated in terms of installation and management.

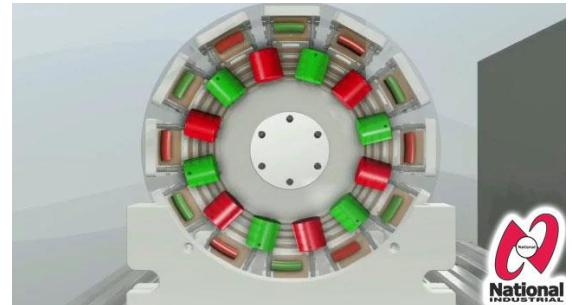
The biggest problem though is that all these technologies rely of the natural energy sources and depend on the availability of those.

Thus being said we would like to point out, that our goal whilst working on our projects was to create a system and technology, that would allow to produce green, cheap energy which can be provided at any time to any consumer at any point. Our unit is a system that generates power in a closed self-perpetuating cycle independently of where it is placed: ether home, industrial facility, vehicle, ship or any other place. It does not require any feed stock of fuel of any kind and can work constantly for decades with minimum maintenance mostly caused through bearings that require replacement over very long time distances.



The solution

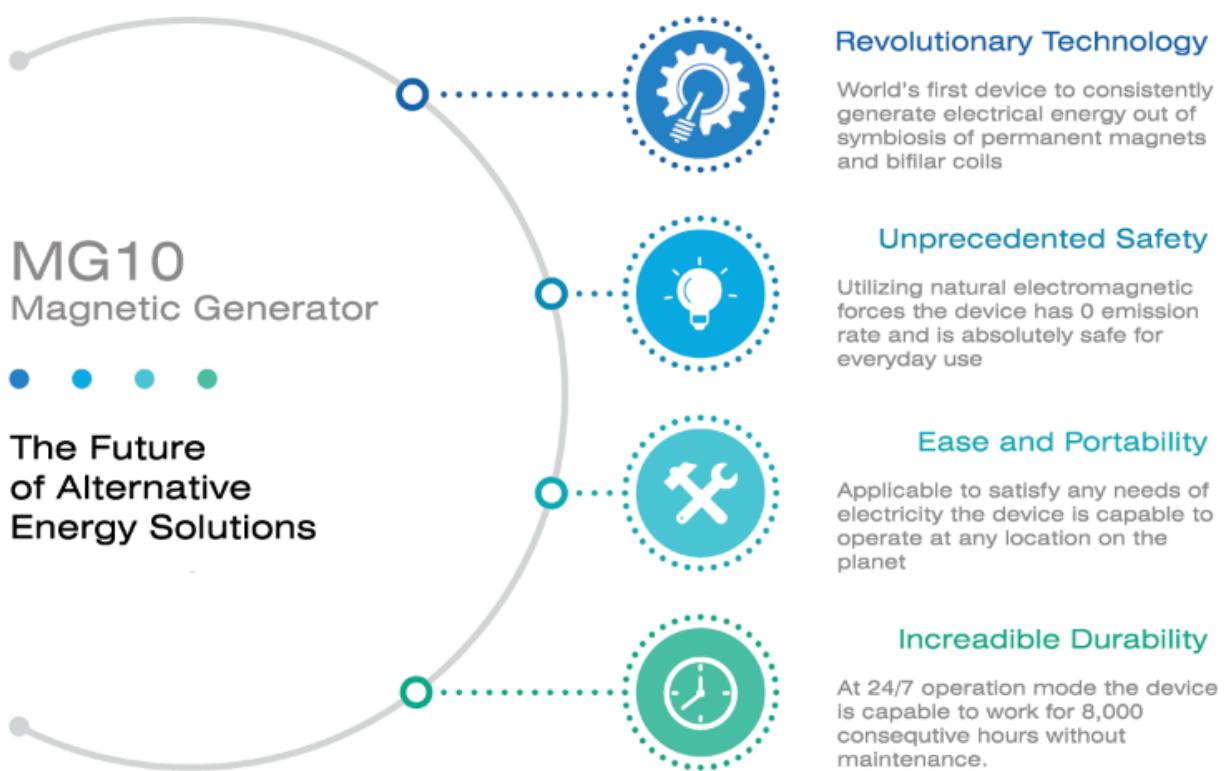
Our power unit doesn't need a constant supply of any fuel, it produces free energy and our device only needs to be plugged in to receive an initial amount of energy to start running as a magnet generator. It utilizes magnetic forces to produce energy. To put it simple like poles repel while unlike poles attract - this force is what drives the rotor and stator construction. Magnets are alternately imbedded in the rotor with either plus or minus pols facing the outside. While electromagnets are used for the stator construction wire coil wound around an iron core serves as an electromagnet just like the fixed magnets the electromagnets are also in alternate order. The magnetic field of the coils changes in accordance to the circulation of the current. Since unlike pols attract





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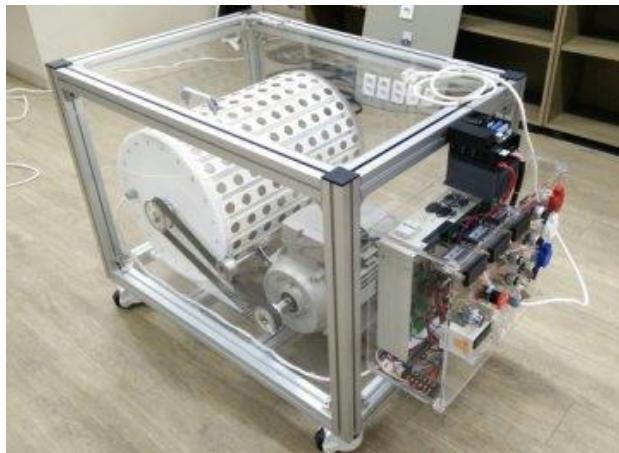
the rotor moves in the direction of the attraction and away from the like poles that repel each other. The movement would stop it this point. By changing the circulation of the current the electromagnets' pools are reversed and the rotor continues to move. The pole reversal is perfectly timed by our control unit resulting in constant rotation which we use to generate energy and just after a few minutes the power unit can be unplugged and produces enough free energy for a house, equipment, vehicle back-up or primary supply and so on.



The Magnetic Generator with an organized structural arrangement of is complex system permanent magnets and bifilar coils and PCB controller with a specially designed software that are used to generate and dispense electrical energy. Initial start is performed by a battery or any other external source of energy to help motor reach needed RPM. After that the external source can be disconnected. The device is able to operate in autonomous mode and maintain its RPM regardless of amount of useful energy being consumed.



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Technical specifications	
Total capacity	13050 W
Control system consumption	50W
Motor consumption	Idle – 200W, full load – 3KW
Generated voltage	900-910V AC
Generated frequency	400Hz
Generated current:	11.2A 3 phase
Effective voltage output	220-230V DC / 380V AC
Effective current output	50A
Effective power output	10KW
Effective frequency output	50-60Hz

Model	Power output (KW)	Dimensions* (mm)	Weight* (kg)	Recommended retail price	Price for distributor
INFINITY MG10	10	900x500x600	80	\$15,000	\$10,500 (-30%)

*subject to change without prior notice

- Continuous operation: up to 8000 hours until maintenance
- Life cycle: at least 20 years
- Annual maintenance: consumables inspection/replacement
- Noise generation: 60dB without soundproof casing
- Heat generation: insignificant with internal cooling
- Operation temp range: with heatproof casing up to 70°C for hot countries, with coldproof casing down to -40°C
- Legal permits: KC and CE marks are in the process of acquisition
- Warranty: will be determined by a distributor but at least 2 years
- AS service: will be provided by a distributor in your country

The magnetic generator MG10 consists of 250 neodymium magnets and 250 bifilar coils. The constructional feature that enables generating electrical energy is the precise angular alignment of the coils and magnets inside the drum and the switching regulations to suppress back EMF and effectively collect accumulated energy inside the electromagnets (coils). As a magnet starts approaching a coil, at a certain point



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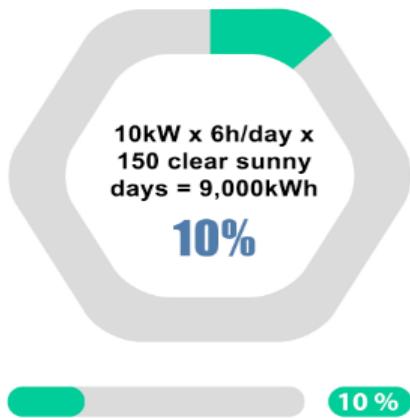
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the voltage of the coil increases along with the amount of charge it can transfer. Once the switching regulator detects the maximum voltage of the coil, it switches off the coil. The magnetic field of the coil that has been formed after excitation of the coil will tend to collapse generating a back EMF in the coil windings. The designed software of the generator is able to suppress the parasitic current and transform it into usable electrical energy that can be utilized by an end user.

EFFICIENCY RATE (kWh/year)

per 10kW x 24h x 365 days = 87,600kWh/year

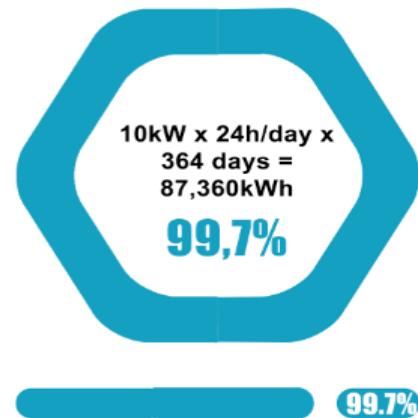
10 KW SOLAR PANEL SET



Efficiency of solar panels highly depends on many various factors such as geographical location, weather conditions, deviation from solar noon, tilt angle of solar panel array, etc. Besides, efficiency of converting solar energy into electricity of most solar panels rarely exceeds 20%, meaning that their COP is 5:1.

MAGNETIC GENERATOR MG10

VS



The Magnetic Generator MG10 is designed to generate electricity for at least 8,000 consecutive hours without need to stop for maintenance. The preventive maintenance is only required once a year to inspect/replace consumables which will take just a few hours.

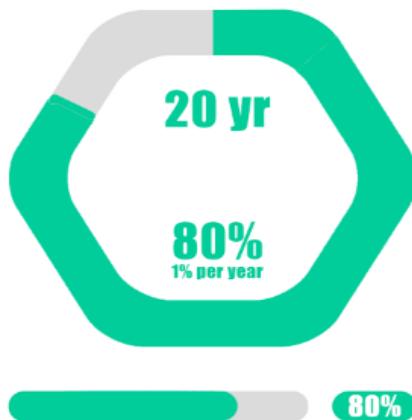


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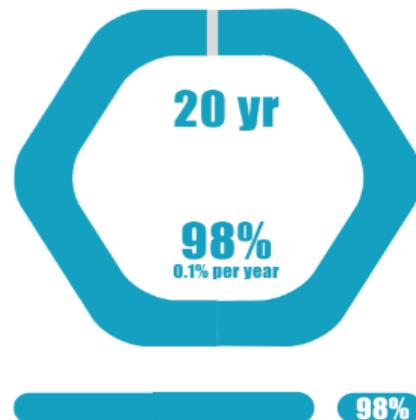
LIFESPAN AND DEGRADATION RATE

10 KW SOLAR PANEL SET



Photovoltaic (PV) modules of solar panels manufactured today offer a much longer lifespan of 20 years of use. However, degradation of crystalline silicon modules located in extreme climates (heavy wind, snow load, high levels of UV exposure) exhibits high rates of approximately 1% per year which leads to 20% of efficiency loss at the end of solar panel lifespan.

MAGNETIC GENERATOR MG10



In the absence of external influences, neodymium magnets remain magnetic for hundreds of years. Demagnetization of generator's magnets is extremely small if the device is used properly with a rate of 1% every 10 years. If maintenance is performed regularly and duly, the generator may serve indefinitely longer than its 20 year lifespan.

PURCHASING AND MAINTENANCE COSTS

10 KW SOLAR PANEL SET
60 kWh per day



10 kW set
 = US\$ 15,000

ANNUAL MAINTENANCE

= US\$ 1,000 / year

40 KW SOLAR PANEL SET
240 kWh per day



40 kW set
 = US\$ 60,000

180kW battery set
 = US\$ 70,000

10 kw inverter
 = US\$ 3,000

MAGNETIC GENERATOR MG10
240 kWh per day



MG10
 = US\$ 15,000

ANNUAL MAINTENANCE

= US\$ 200 / year

ANNUAL MAINTENANCE

= US\$ 4,000 / year



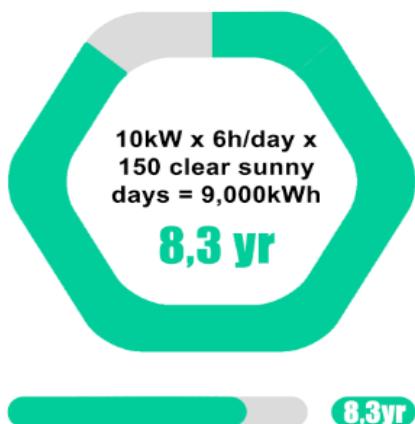
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PAYBACK PERIOD

per 10,000kWh/year (average US, EU household consumption)

10 KW SOLAR PANEL SET



MAGNETIC GENERATOR MG10

VS



Electricity price: 1kW = \$0.2 (EU average)
Total consumption: 9,000kW
Annual savings: 9,000 x 0.2 = \$1,800

Selling remaining electricity back to the grid:
\$0

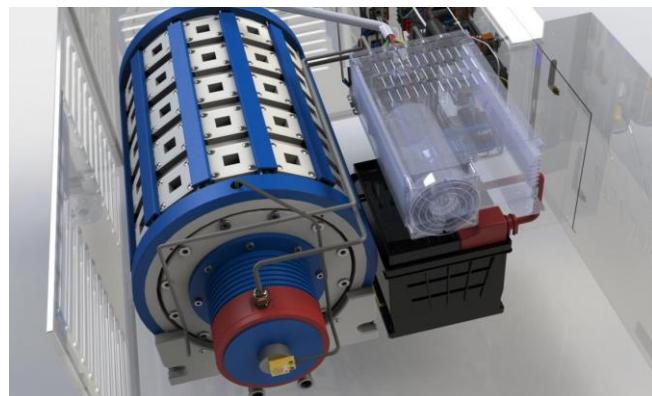
Payback: $15,000 / 1,800 = 8.3$ years

Electricity price: 1kW = \$0.2 (EU average)
Total consumption: 10,000kW
Annual savings: 10,000 x 0.2 = \$2,000

Selling remaining electricity back to the grid:

$77,360 \times 0.1 = \$7,736$
(1kW = \$0.1 (EU average NEM tariff))

Payback: $15,000 / (2,000 + 7,736) = 1.5$
years





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