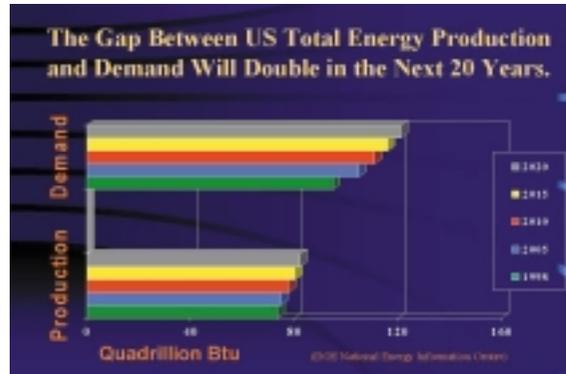


The Need for a Fuel-less, Carbon-free Energy and Propulsion Source

In 1900, Nikola Tesla announced in Century magazine the transmission of electrical energy without wires. Earth's inhabitants found out one hundred years later that Tesla was right with his warnings about the environmental impacts of using fuel for energy and propulsion. We now face an impossible task with present means to reduce the carbon emissions by 60% to 80%, just to stabilize the earth's present environment. At the same time, we are trying to meet the exponentially increasing demand for energy, which already outstrips domestic production by 20 quadrillion BTUs (quads). By 2020, the U.S. energy demand is expected to outstrip supply by 40 quads and no one knows where the energy sources will come from. Meanwhile, in Alaska, Siberia, and parts of Canada studies have shown the average annual temperatures have climbed 7°F and the sea ice is 40% thinner than in 1980.



Presently the U.S. imports 9.6 million barrels per day of oil from the Persian Gulf and from OPEC (an astounding 3.5 billion barrels per year). It is currently "pie-in-the-sky" dreaming where 20 million barrels per day will come from in 2020. Why is this so uncertain? OPEC refuses to increase production for their own sake, since they know that in only nine years (2010) the peak of world oil reserves will be reached.

Furthermore, at the same time, the U.S. crude oil production will decline from 6.3 million barrels per day to 5.3 million barrels per day by 2020. Also, operable nuclear capacity is expected to decline from 100 Gigawatts to 50 Gigawatts by 2020. The stark realization is that domestic future energy cannot realistically come from petroleum even though the U.S. depends heavily upon oil now and wants to increase its dependence on oil by 50% as we approach 2020.



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Integrity Research Institute
Magnetic Energy Converter
POWER FOR THE WORLD
Multi-Purpose Electrical Generator & Propulsion Device

CONFIDENTIAL

Inventors: V. Roshchin & S. Godin

The Magnetic Energy Converter

Today, with the precipitous rise in cost of fossil based fuels, the environmental concerns surrounding their extraction, the terrible pollution caused by their burning, and the crisis of global warming, what can we do quickly to solve these myriad problems? Until now, virtually only rhetoric has passed through the lips of our leaders; not action.

Recently, information concerning an amazing experimental device called a *Magnetic Energy Converter* has been released. It can produce both electricity and anti-gravity. One cannot overstate the importance of this invention designed by Sergei M. Godin and Vladimir Roshchin, physicists at a prestigious Russian academy. These two scientists have published an article in *Technical Physics Letters* (Vol. 26, No. 24, p. 70) documenting their discovery. The article was also circulated by the US Department of Energy to a select number of recipients in the Advanced EM Group and has received very positive feedback from their scientists. A patent has been issued, with more to follow.

The Magnetic Energy Converter (MEC) prototype takes the form of a 1 meter disk, vaguely in the form of a toy gyroscope, with a stator around the core and a series of special rotating magnetic cylinders around the perimeter. The disk is attached to a shaft, which is coupled to a conventional generator to produce electricity. During testing, it required only a starter motor, and became self-sustaining at 300 RPM. **The MEC prototype successfully produced 35% loss or gain of weight** (depending on direction of rotation), and **required a 5 to 7 kilowatt energy load to prevent a runaway condition. It also caused a temperature decrease of 6-8 degrees Celsius in the local vicinity**, and created anomalous magnetic zones up to 15 meters around the device. It also displayed unexplained luminous horizontal bars surrounding the device when charged to a voltage of 15 kV (15,000 Volts).

The MEC – A Transducer

The MEC can fulfill both energy and propulsion needs efficiently and at low cost. The MEC can be thought of as a transducer; just as a microphone converts sound energy into electrical, the MEC, it is believed, taps into what is called zero point energy (ZPE). What is ZPE? Put simply, it is the energy that drives the whole universe, from the smallest atom to the largest galaxy. But up until now, no one has presented a practical means to tap the ZPE.

No Pollution, No Waste, No Radioactivity

The MEC is a revolutionary discovery. Once rotating at a minimum speed, it requires no external energy source to keep it going! It is by no means a perpetual motion machine, as it requires zero point energy to sustain its rotation. Since there are no waste or pollution products created, MEC units designed for energy output will go a long way toward solving both the pollution and global warming problems for the world.

With the decline of the Concorde, the failure of the SpacePlane, the X-33, and the closing of the High Speed Civilian Transport decade of research, the MEC would be the perfect means to revive high speed transportation by providing the propulsion and antigravity characteristics necessary to shorten air travel times and to finally voyage beyond the earth.

The MEC – What Can It Do?

The **MEC Electric Generator**, when commercialized, will revolutionize the electrical energy sector by providing a low cost, reliable generator for traditional fixed as well as portable, remote or off-the-grid applications. The technology appears to be scalable: power a house or power a city. During the fossil fuel transition period to full MEC power generation, individual MECs may be connected to an energy controller to produce and sell back excess electrical energy to the electrical grid, immediately reducing the amount of fossil fuels required for other users. Bear in mind, the MEC creates no pollution.

The MEC Engine

Potential applications for this technology include all sizes and types of land, sea and air vehicles. The MEC engine, when manufactured, would revolutionize the transportation sector by replacing the conventional gasoline and diesel engine in automobiles, trucks, ships, etc. One beneficial effect of the device losing apparent weight is that vehicle gross weight would be partially reduced during operation, requiring less energy for transport thus reducing wear and tear on mechanical parts (tires, brakes, transmissions etc.) Surplus electrical energy would be available to power other devices in the vehicle such as lights, radio, heater etc. The MEC cooling effect could be harnessed for air conditioning and refrigeration. Vehicles of this type would not require consumption of fossil fuels of any kind (gasoline, diesel etc.).

The **MEC Refrigerator** would be developed to maximize the Magnetic Energy Converter's cooling effect, present whenever it is in operation. It has the potential to revolutionize the production of cooling for residential, commercial refrigeration or air conditioning applications. Since the MEC produces significant amounts of cooling, it could be used to augment air conditioning without using electricity from the electrical grid. Surplus electricity produced by the MEC could drastically reduce or eliminate the energy consumption required to cool office buildings, factories and homes. On days

where additional cooling was not needed, surplus electricity produced by the MEC could be sold back to the electrical grid further reducing reliance on fossil fuels.

The **MEC Aircraft/Spacecraft engine** would be developed for the air and space transportation industry. It has the ability to be continuously controllable, producing unidirectional force. It can be used for forward thrust as well as upward thrust. Utilizing the MEC Engine aspect for the main power, the MEC would also revolutionize the transportation industry by providing a self-sustaining energy and propulsion combination. As the Anti-gravity aspect of the MEC is further understood and developed, conventional aircraft engines and aircraft will become obsolete and spacecraft will at last become practical, opening up a whole new industry.

The MEC is a radically new type of energy conversion device. At the present time, there are no known commercially available systems comparable to the MEC. Listed above are but a few of the most obvious applications!

Emissions Problems

We must realize that most of the world's atmospheric carbon emissions are primarily (42%) due to automobile exhaust, and secondarily from coal burning for electricity production. The world's transportation means have not changed significantly throughout the past 50 years. Even NASA has a Breakthrough Propulsion Project that encourages research into advanced forms of propulsion. Limited funding has been offered to a few scientists. However, no breakthroughs have occurred in the past several years of solicitations by NASA!

Integrity Research Institute

IRI has concluded an exclusive arrangement with the inventors, Sergei Godin and Vladimir Roshchin, to help them fund further research leading to actual production devices. IRI is a nonprofit corporation (IRS 501(c)3 tax status applied for) that is dedicated to energy research and education.

IRI is currently looking for interested parties to help fund the MEC development project. Please contact us at the numbers listed on the back of this brochure.

For further information on Zero Point Energy, please go to:
<http://users.erols.com/iri/ZPENENERGY.html>