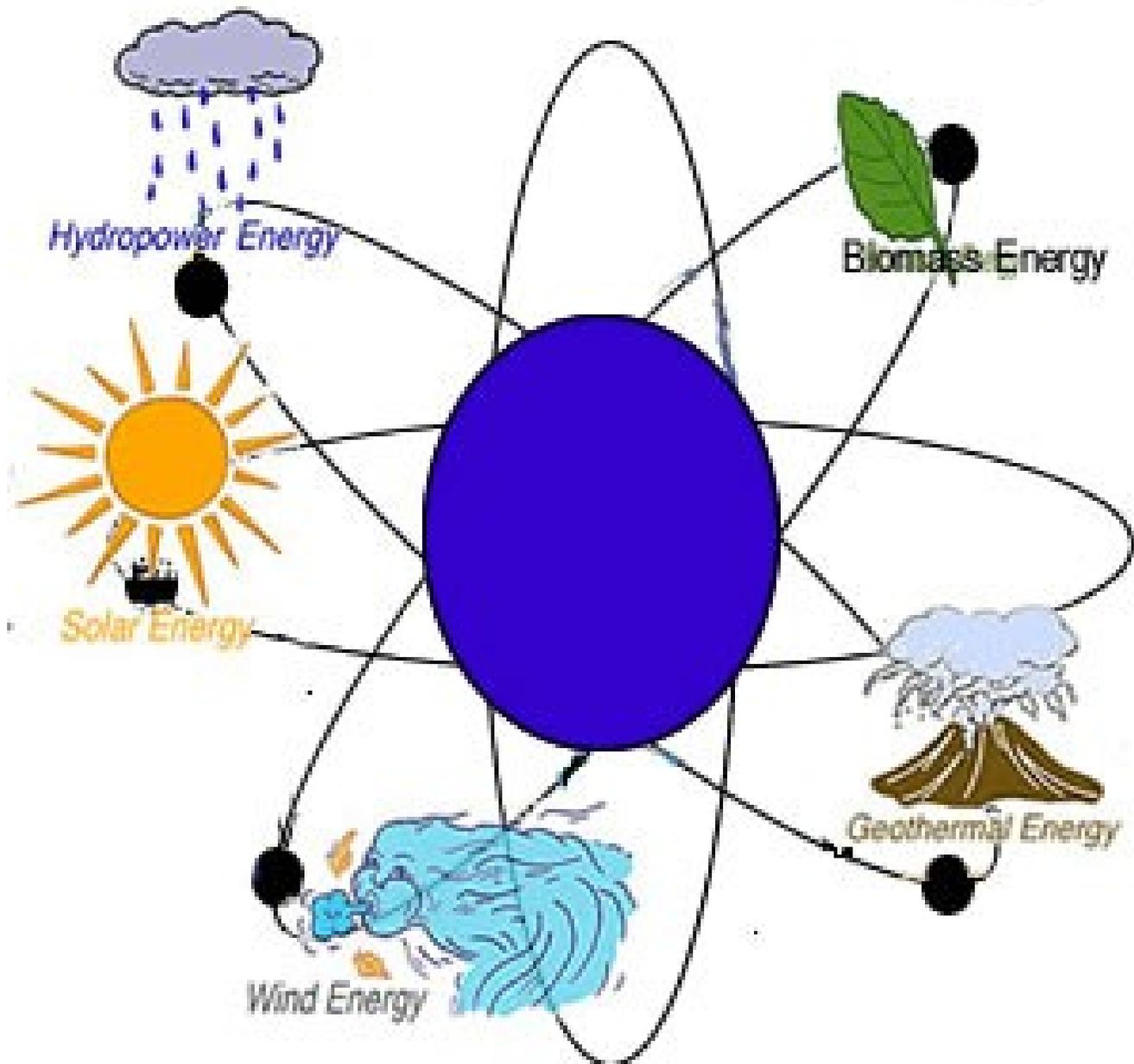


Renewable Energy



A New Direction For Renewable Energy . . .



Conserving the worlds carbon . . .

At our current usage of carbon there will be no carbon left on this planet in approx 7000 years time. Carbon is the building block of life. This is why we need renewable energy & electric propulsion.

AUSI, Australien Universal Space Industries have developed the latest state of the art robotic systems for constructing renewable energy infrastructure.



Robotic Renewable Energy Infrastructure Construction . . .



Evolutionary swarm robotics basics . . .

In days gone by & still in these days & hopefully for many years into the future the demoscene has stamped its way into computer immortality. Using complex discrete mathematics computer programmers are able to push the limits of computational power & produce awe inspiring display hacks.

<http://www.demoscene.tv/>

What started out as abit of tinkering with computers by enthusiasts & hobbyists resulted in attaining government & corporate sponsorship, however has government & corporate sponsorship reduced the creativity of the demoscene ?

The demoscene was around before youtube or googlevid & even the internet.

What makes the Demoscene stand out from the rest is that computer generated music was blended with computer generated graphics. Three types of ppl make a demo work.

- [1] coders
- [2] graphicians
- [3] musicians

And these days many old demo group groupies now work with mathematicians, data miners, scientists & engineers to create EEA Exploratory Engineering Applications . . .

The Magical Seven These Days Comprise Of . . .

- [1] coders
- [2] graphicicians
- [3] musicians
- [4] mathematicians
- [5] data miners
- [6] scientists
- [7] engineers

EEA Exploratory Engineering Applications are still esoteric but do provide humanity a possible alternative reality apart from the traditional highway to hell.

AUSI, Australien Universal Space Industries . . .

Robotic Renewable Energy Infrastructure Construction . . .

Swarms of self replicating robotic machines can use technologies like google earth to travel all over the Australian continent constructing renewable energy infrastructure both on land & at sea.

Alot of work has been done all round the world developing prototype renewable energy technology & most of these prototypes have been tested & been put into use, achieving good results in energy outputs. Now is the time to begin to implement RREIC, Robotic Renewable Energy Infrastructure Construction & it will take awhile for the basic systems to be outlined by collectives of renewable energy experts from all round the world. We have seen what can be achieved but actually implementing the technology will require robotic systems.

The following basic outline of renewable energy technology has already put into use & note each of the following can be broken up into many forms of different technology.

- Biofuel
- Biomass
- Geothermal
- Hydroelectricity
- Solar energy
- Tidal power
- Wave power
- Wind power
- Osmotic power
- Marine current power
- Ocean thermal energy conversion

Swarms of self replicating robotic machines can use technologies like google earth to travel all over the australian continent constructing Renewable Energy Infrastructure both on land & at sea . . .

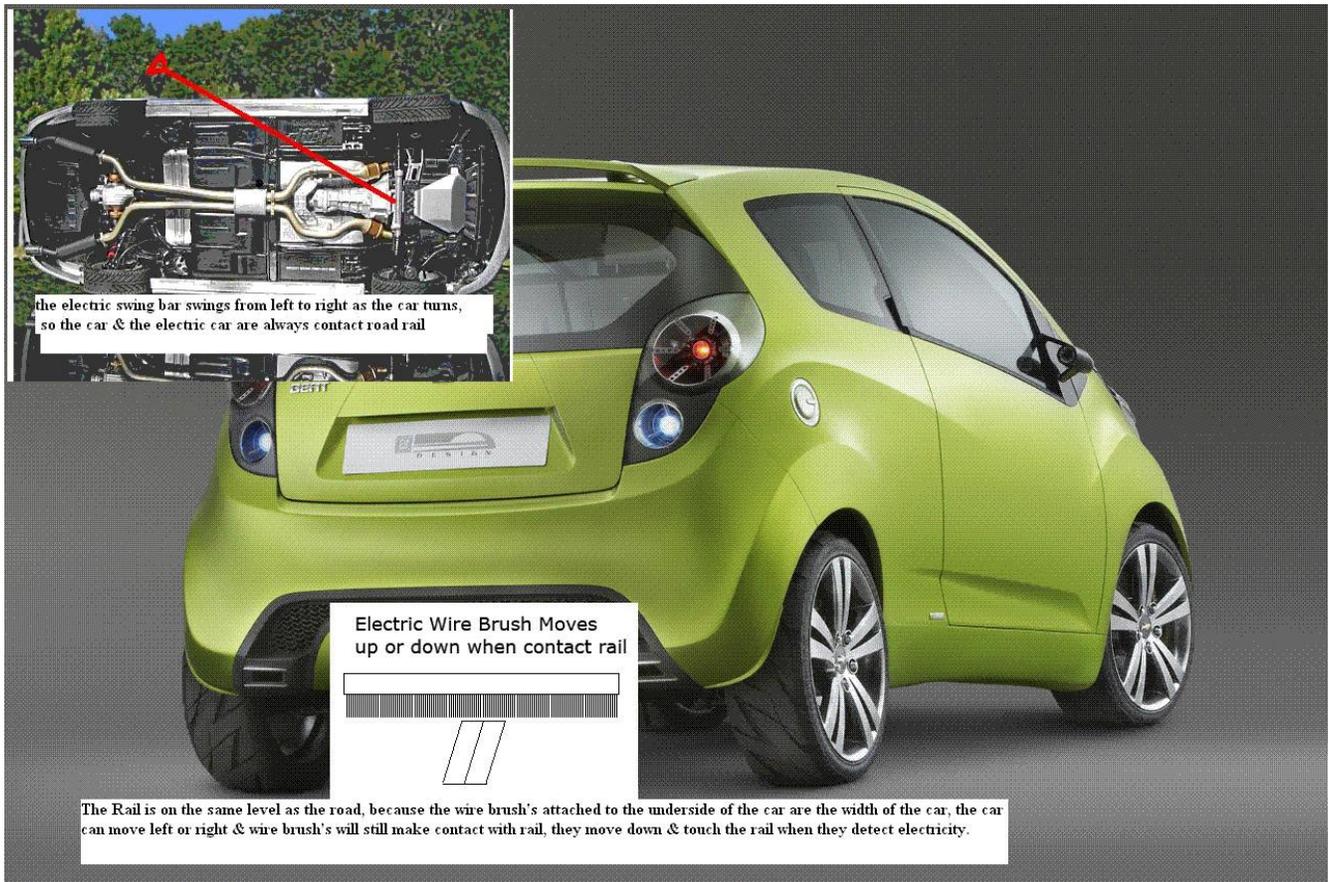
Robotic Biofuel cultivators . . .
Robotic Biomass cultivators . . .
Robotic Geothermal energy infrastructure construction . . .
Hydroelectricity expanded using robotic construction methods . . .
Robotic Solar energy infrastructure construction . . .
Robotic Tidal power infrastructure construction . . .
Robotic Wave power infrastructure construction . . .
Robotic Wind power infrastructure construction . . .
Robotic Osmotic power infrastructure construction . . .
Robotic Marine current power infrastructure construction
Robotic Ocean thermal energy conversion infrastructure construction

Our first pilot project will be to convert the Australian desert into a solar furnace using swarm robotics.



Australian desert to be converted into a solar furnace . . .

The Australian desert has enormous renewable energy potential & AUSI, Australien Universal Space Industries is working with the Gemasolar Thermosolar Plant in Spain to initiate their solar power tower technology in Australia's deserts. It looks like the road rail vehicle will become a reality.



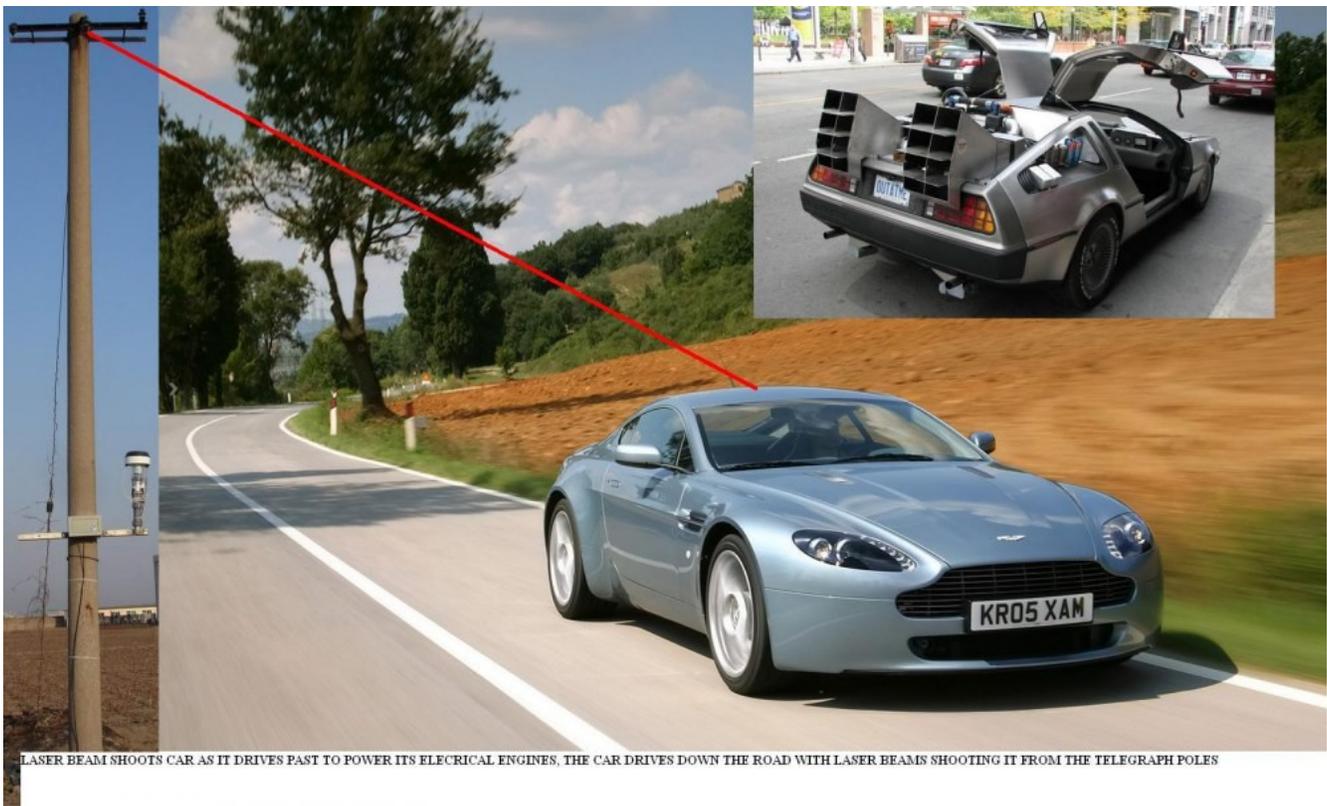
The new road rail vehicle . . .

Longtime members of Sydney Indymedia & AUSI, Australien Universal Space Industries have modified the design of the vehicle so it behaves more like a scalextric slot car with added improvements. The rails are situated in the road just like a scalextric track, an alternative to using a wire brush would be to use a swing bar that swings from left to right & vice versa, the swing bar is attached to the bottom front end of the vehicle & as the vehicle turns using its tyres the swing bar turns as well still being attached to the scalextric like rail in the road. The swing bar configuration or the wire brush configuration can dislodge from the scalextric like rail in the road & the road rail vehicle will start the biodiesel or ethanol engine for off road rail use, also it's possible that a battery could be charged while the vehicle is connected to the scalextric like rail in the road, then when the vehicle drives off the road rail the electric motor can kick in.

Tesla coil could transmit electricity from rail to vehicle wirelessly, this is also known as wireless electricity transmission.

Such a transportation system can be powered by renewable energy such as . . .

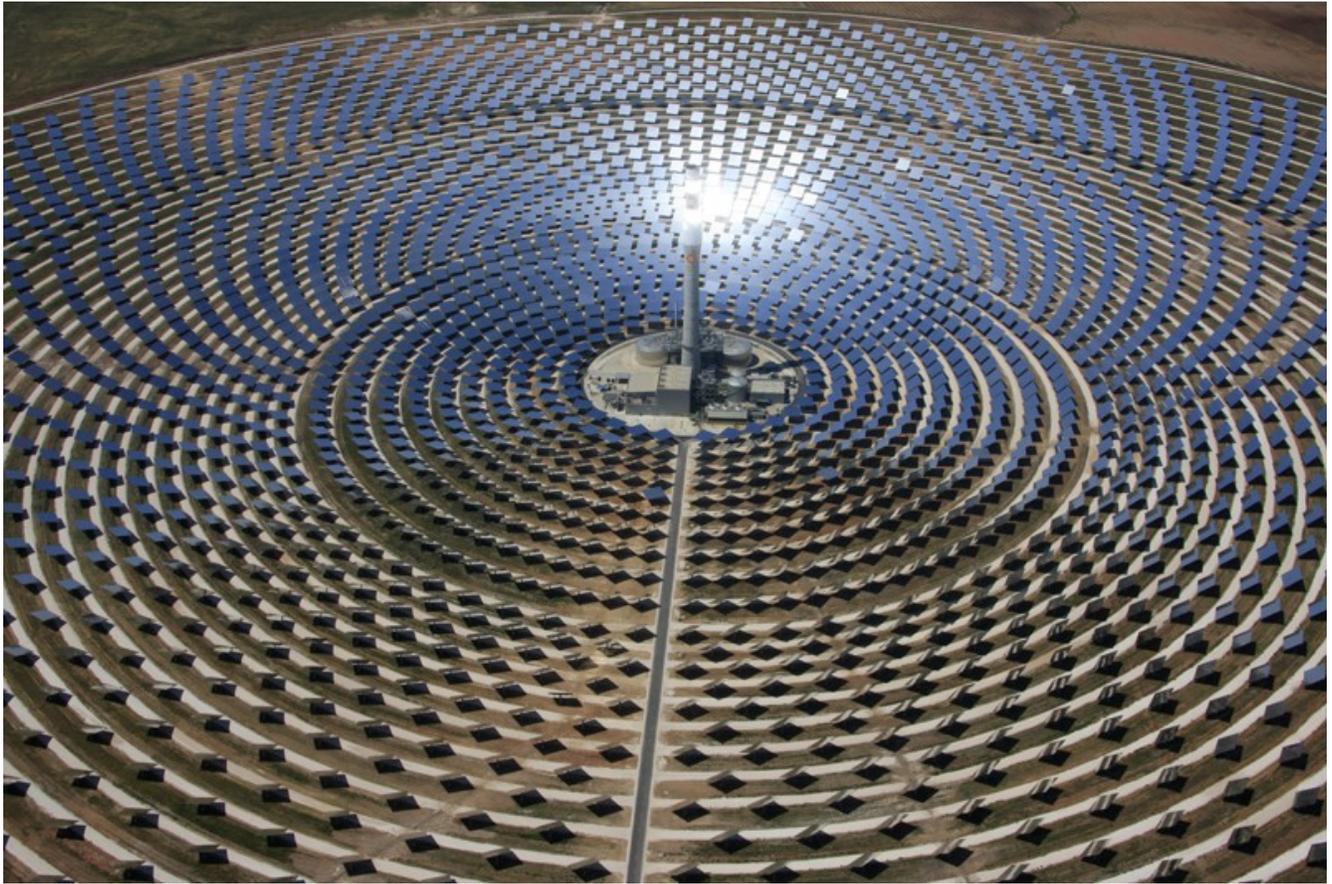
- Biofuel
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Laser powered vehicles are the future of transportation . . .

AUSI, Australien Universal Space Industries have developed a system where lasers are beamed from telegraph poles onto passing vehicles to give them power for their electric motors.

Where does the lasers get its power ?



The Australian desert has enormous renewable energy potential & AUSI, Australian Universal Space Industries is working with the Gemasolar Thermosolar Plant in Spain to initiate their solar power tower & Heliostat technology in Australia's deserts.

Electric propulsion is 20 times more efficient than liquid fuel or gas propulsion & conserves the world's carbon.



Hybrid water nitrogen air solar vehicle . . .

AUSI, Australien Universal Space Industries have developed a hybrid vehicle that makes use of four clean energy resources,

- [1] Water
- [2] Liquid nitrogen
- [3] Compressed air
- [4] Solar

Electrolysis of water produces hydrogen from a water tank which gives extra kick to the combustion engine & the Heat exchanger where liquid nitrogen is then fed from the heat exchanger into the pneumatic motor while being mixed with compressed air. The vehicle can also be Aerodynamically designed & covered with solar panels to give extra energy to the hybrid synergy drive. The vehicle also makes use of Regenerative brakes. This vehicle can be powered by renewable energy

Biofuel
Biomass
Geothermal
Hydroelectricity
Solar energy
Tidal power
Wave power
Wind power
Osmotic power
Marine current power
Ocean thermal energy conversion

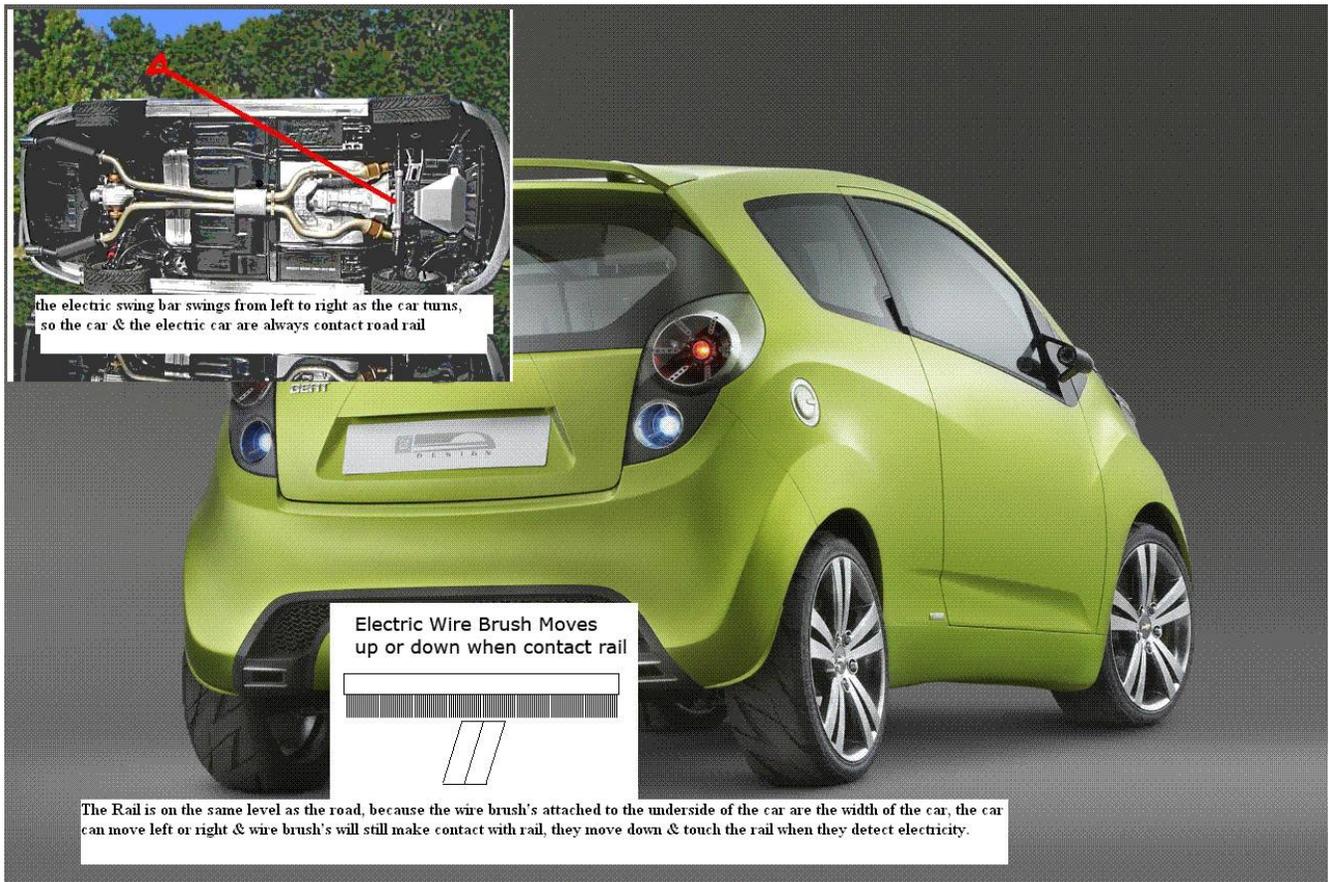
Theirs a variety of transport options . . .



[1] Solar vehicle



[2] Compressed air vehicle



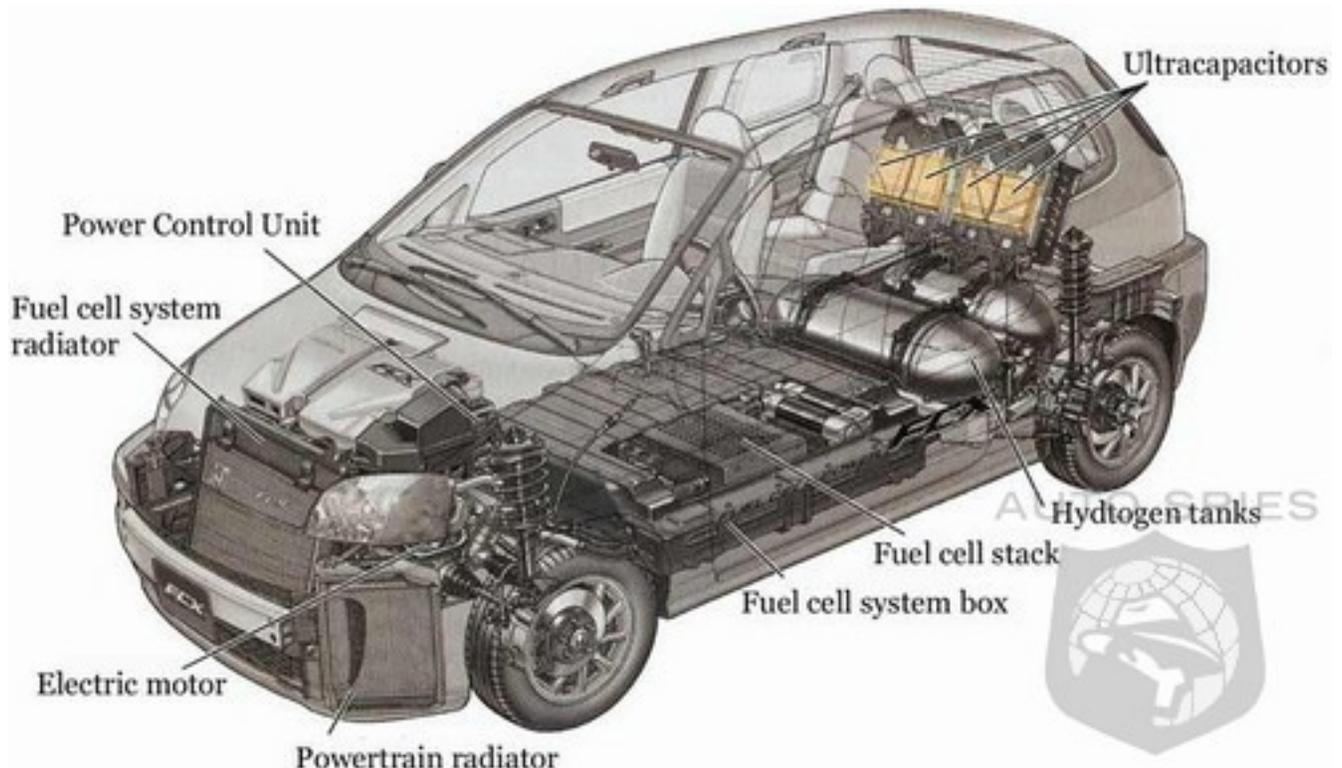
[3] Road rail vehicle



[4] Hybrid fuel & electric vehicle



[5] electric vehicle



[6] Hydrogen vehicle



[7] Gas vehicle



[8] petroleum & diesel vehicle, most fuel efficient car, Volkswagen XL1.

Whats needed is a transformer like hybrid vehicle made out of a combination of all the features of [1], [2], [3], [4] to [5]

Its possible their may be a future with [6], [7] & [8] but their days could be numbered unless we invest in biofuels or Conversion of ocean, atmosphere, coal & other rock into fuel.

Whats really needed is a transformer like hybrid vehicle made out of a combination of all the features of [1], [2], [3], [4] to [5]



The end of industrial civilization is coming if we do not implement alternative policies & so far Government has ignored our alternative policies.

No More Oil In 40 Years Time !

There is only 40 years supply of oil left in the world, are you happy with yourselves fossil fuel users !

Now is the time to construct renewable energy infrastructure.

What is renewable energy infrastructure ?

The following is a basic outline of renewable energy infrastructure or renewable energy technology & note each of the following can be broken up into many forms of different technology.

- Biofuel
- Biomass
- Geothermal
- Hydroelectricity
- Solar energy
- Tidal power
- Wave power
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- Ocean thermal energy conversion



Utilizing overseas renewable energy skills . . .

The renewable energy sector has made great leaps forward especially overseas. Australia should import these skills into Australia by utilizing working visas. No doubt Australia will require the skills from the overseas renewable energy sector to establish renewable energy in Australia.

We estimate that Australia will be able to meet their energy export targets to Asia via a high voltage submarine cable under the sea from North Australia to Asia.

We see nuclear energy being dismantled all over the world & our nuclear resources then being conserved for outerspace colonization research.

We see the growth of renewable energy all over the world using robotic construction methods.

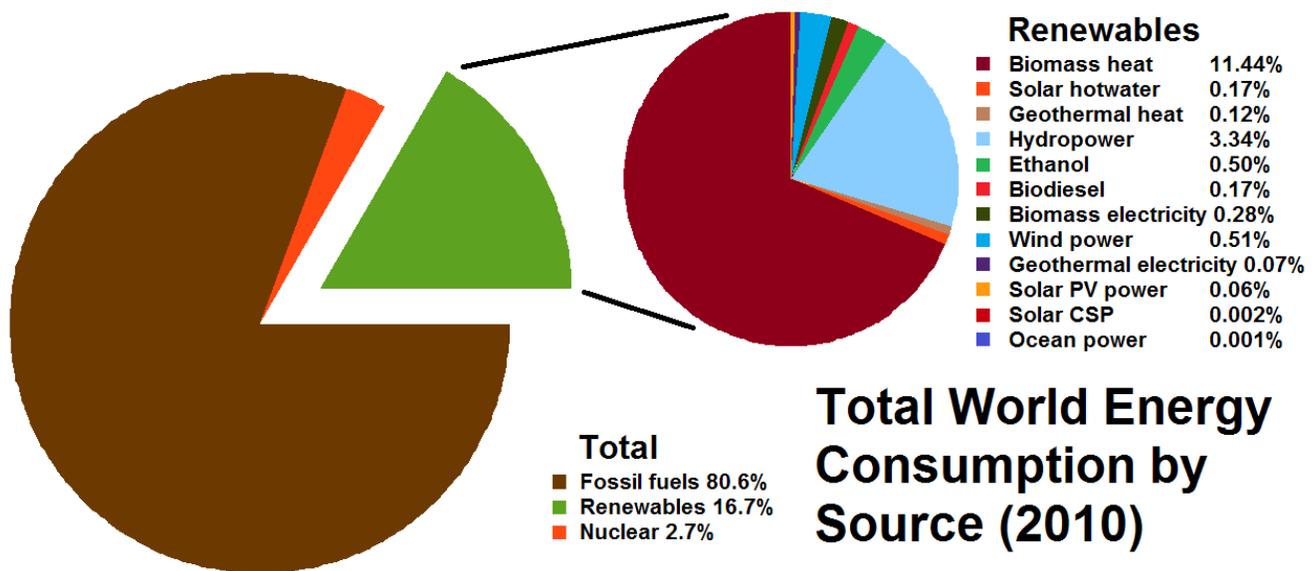
We see a global surplus of energy being produced which is entirely made up of renewable energy & this surplus of energy can then be used for outerspace colonization research

<http://indymedia.org.au/files/starship.pdf>



Has the world misused fossil fuels . . .

Since mankind discovered fossil fuels he has done his best to use up as much fossil fuels as he possibly could, with total disregard for future generations & in regards to crude oil reserves which is usually converted to petrol or diesel fuel, well their is only 40 years left of supply, the media is broadcasting shows like farmer wants a wife to encourage people to learn to live off the land, hopefully respecting the schools of permaculture as petrol & diesel resources will soon run out. What is clear is that oil is getting harder to find and extract, and this is reflected in rising prices. A barrel that cost \$10 in 1998 and \$64 in 2007 today costs \$135. Economists are predicting that the \$200 ceiling will be broached before the end of the year. Yes the world has misused fossil fuels terribly. Fossil fuels are supposed to be used in landscaping & excavating, creating permaculture habitats & experimentation into monoculture areas, for humanity to exist. Cars should be illegal, people instead should learn how to use a chainsaw, tractor, bobcat or excavator, motorbike or scooter & trucks should not be used too much. If their are to be built up urban areas or cities then these people should work in industry, especially in the fields of mechanical engineering so that chainsaws, tractors, bobcats or excavators, motorbikes or scooters & some trucks are maintained. We should really use fossil fuels for landscaping permaculture habitats.



Would You Consider A Job In Renewable Energy ?

In the future, civilization will be forced to research and develop alternative energy sources. Our current rate of fossil fuel usage will lead to an energy crisis this century. In order to survive the energy crisis many companies in the energy industry are inventing new ways to extract energy from renewable sources. While the rate of development is slow, mainstream awareness and government pressures are growing.

Renewable energy involves the following process's . . .

- Biofuel
- Biomass
- Geothermal
- Hydroelectricity
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- Wave power
- Wind power
- Osmotic power
- Marine current power
- Ocean thermal energy conversion

With renewable energy we can power a diverse range of industries & also have transportation powered by renewable energy. With robotics we can speed up the construction of renewable energy infrastructure.

Swarms of self replicating robotic machines can use technologies like google earth to travel all over the australian continent constructing Renewable Energy Infrastructure both on land & at sea.

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Glasshouse covered solar roads . . .

AUSI, Australien Universal Space Industries has proposed that all roads should be sealed in the respect that glasshouses should cover all of the roads so that when a vehicle omits pollution the glasshouse covered road can capture the pollution & use it for algaculture, the glasshouse itself should be covered with solar panels so the road can generate electricity as well.

AUSI, AUSI, AUSI, Australien Universal Space Industries . . .

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