

EASTLUND SCIENTIFIC ENTERPRISES CORPORATION

Eastlund Scientific Enterprises Corporation (ESEC)
incorporated in the State of Texas, January 12, 1996.



NEW PARADIGMS FOR PLANET EARTH

Symbiotic Nuclear Power

Electricity driven ultra-high temperature plasma processor devices can separate radioactive materials and can lead to a resolution of the nuclear waste storage issue. Instead of sealed facilities that have to be guarded for thousands of years, the Symbiotic Nuclear Power concept is to use the radioactive waste to produce electricity generators that last for thousands of years, providing future societies with power. This would provide an alternative to Yucca mountain and help make nuclear power a practical near term energy source, along with wind, and solar.

Electricity and Hydrogen Directly from Underground Hydrocarbons

The ecological impact of hydrocarbon fuels could be reduced by the MEMSCOAL, MEMSOIL and MEMSSHALE concepts in which the hydrocarbons are processed in the formation, using horizontal drilling techniques and micro-fluidic processors to produce and deliver electricity and hydrogen to the surface. The hydrocarbon and the CO2 would never reach the atmosphere and the earth would not have to be torn up by mining.

The Fusion Torch

The long term energy and materials problems can be solved with the Fusion Torch concept which was conceived by Dr. Bernard Eastlund and William C. Gough in 1968. It is based on the inherent technological characteristics of ionized plasmas that are hot enough to fuse atoms and create energy in a manner similar to the stars. These hot plasmas can ionize any solid and can separate the elements to provide separated elements in place of the myriad chemicals in waste. The goals of this concept are to close the materials cycle while producing electricity or hydrogen.

These new approaches could effectively eliminate the environmental pressure on the planet. Symbiotic nuclear power and underground production of electricity provide near term solutions while the Fusion Torch provides the long term solution. A beneficial result would be a shift from growth economics to stationary state economics which would naturally lead to conservation of resources -- such economics favors long life products.

WELCOME!

Welcome to Eastlund Scientific Enterprises Corporation. Our mission is the application of the latest advances in science towards the very real and significant issues facing Governments, Industry and our Environment today. In these pages you will find specific examples of the types of problems and innovative solutions ESEC has provided based on the significant experience of Dr. Bernard Eastlund and his colleagues in the fields of physics and engineering.

It is important to note, what we can make available on-line represents only a fraction of ESEC's capabilities and experience. It is our objective to make visitors aware of the scope and types of solutions we have provided in the past as well as the type of work which is being pursued today. We are continuously

SOLUTIONS

This web site has many topics. Solutions is designed to help guide you to the items of most interest.

interested in the potential to apply our capabilities to a variety of issues. If you would like ESEC to discuss your project needs, please use the contact link provided to the left.

To learn more about the foundation of science and experience upon which ESEC was built please feel free to explore our site. A good starting point is the VISION page which will ground you in the type of work we have done in the past and continue to explore.