

## **Nikola Tesla's Thermodynamic Transformer**

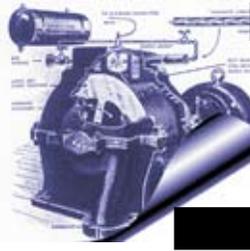
**A Practical Demonstration**

**Jeremiah Ferwerda**



Tesla's extraordinary *Century Magazine* article, *The Problem of Increasing Human Energy*, introduces the concept of using a variety of natural ambient sources of energy. Tesla emphasized that the key to all energy production was temperature differentials. He explored the earth depths as a heat source, and then the upper atmosphere as a heat sink. Tesla also examined solar... while he was enthusiastic over its potential as a power source he noted there needed to be a way to store the energy at night. In the end, all lacked a proper transformer to convert the ambient energy into usable power. It was later in his life that Tesla was able to develop the ultimate thermodynamic transformer... the Tesla turbine.

Jeremiah takes over where Tesla left off. One of the issues raised was the storage of energy. While solar energy is plentiful as heat, it is there only during the day. One of the best heat storage mediums in the world is water as can be seen by the effects on weather by large bodies of water. Combining the unique thermodynamic characteristics of Tesla's bladeless turbine and the heat absorption characteristics of a water/ammonia mixture, Jeremiah has been able to develop a sustainable energy system capable of extracting and storing from every medium he has studied. This presentation is accompanied by an extraordinary live demonstration!



## **Nikola Tesla's ExtraOrdinary Clean Energy Solution**

**Jeff Hayes**

Most are not aware that today we are using only a fraction of Tesla's patented hardware. Developed in the late 19th and early 20th century, Tesla's energy plan developed an engine to provide affordable energy. Revealed here is Tesla's real energy solution, that has, by design, escaped both public and professional awareness.

Tesla discovered a new mechanical principle-- something as fundamental as James Watt's discovery of the expansive power of steam -- by the use of which it became possible to build a motor produces ten horse power for every pound of the engine's weight. This motor is so implicitly simple in design that the veriest novice in mechanics could construct it and so elemental that it could not possibly get out of repair. It can be run forward or backward at will so it could be used as either an engine or a pump. It cost almost nothing to build as compared with any other known form of engine, utilized a larger percentage of the available power than any existing machine, and, finally, it would operate with gas, steam, compressed air or water, any one of them, as its driving power... or pump any fluid without shearing forces.

It does not take a mechanical expert to imagine the limitless possibilities of such an engine. It takes very little effort to conjure up a picture of a new world of industry and transportation made possible by the invention of such a device.



Not all of the new and exciting technologies make it on stage. Often, some of the best technologies are in the expo area. As a feature, we allow the vendors an opportunity to give a 5-10 minute presentation on the products that they brought to the conference. This activity is restricted to the vendors who are not speaking at the conference.



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