

## Thunder Energies Initiates Development of a Real Time Detection of Natural Elements in Mines

TARPON SPRINGS, Fla., June 01, 2017 ([GLOBE NEWSWIRE](#)) -- Dr. Ruggero M. Santilli, CEO and Chief Scientist of Thunder Energies Corporation, a publicly traded company with stock symbol ([OTC:TNRG](#)), announces the development for production and sale of real time detectors of natural elements in mines via the use of the source of neutrons synthesized from the Hydrogen gas. See the short movie on the operation of Thunder Energies neutron source <http://thunder-energies.com/docs/MagnaPower.mp4>, the neutron counts per seconds from the Ludlum detector model 375 remote sensors <http://thunder-energies.com/docs/Ludlum-Alarms.mp4>, the confirmation of this detection by the Berkeley Nucleonics neutron detector SAM 940 <http://thunder-energies.com/docs/Sam-Alarms.mp4> and the confirmation of neutron detection by the detector Polimaster model PM1704 <http://thunder-energies.com/docs/polimaster-reading.pdf>.

Dr. Santilli states: "The presence and concentration of natural elements in mines is currently done by sending soil samples to analytic laboratories, thus requiring considerable time. It is well established in physics that natural elements irradiated with low energy neutrons are transmuted into other elements by emitting photons, also called gammas, with a characteristic frequency which is different for different elements. Therefore the detection of the characteristic photons identifies with precision the presence of the irradiated natural element, while the number of photons detected per seconds, when calibrated over the background, allows the identification of the concentration of the natural element. As an example, when irradiated with low energy neutrons, the Silver isotope 47-Ag-109 is transmuted into the Cadmium isotope 48-Cd-110 by emitting a photon with the energy of 236 keV, and similar emissions occur for Gold, Lithium and other natural elements." See the tabulated data <http://www4vip.inl.gov/gammaray/catalog/pdf/gecat.pdf>.

"Following decades of research I initiated at Harvard University under DOE support in the 1980's, and continued with private funds," Dr. Santilli continues, "Thunder Energies Corporation is in production and sale of a low energy neutron source (patent pending) producing a flux of neutrons synthesized from the Hydrogen gas, whose existence and operations have been confirmed by a team of scientists from the U.S.A., Europe and Asia <http://www.globenewswire.com/news-release/2017/05/30/1000034/0/en/Scientists-Confirm-the-Synthesis-of-Neutrons-from-a-Hydrogen-Gas-by-Thunder-Energies-Corporation.html>. This neutron source is precisely what is needed to irradiate walls in mines, by merely adding a variety of gamma detectors to identify the frequency and number of photons emitted per second, by therefore identifying in real time presence and concentration of a desired natural element. Our Company is now seeking funds to organize production and sale of this cutting edge American technology. It should be indicated that this application of our neutron source is in addition to its main application, that for the detection of fissionable nuclear material that may be smuggled in containers or suitcases." <http://www.b-tv.com/thunder-energies-nuclear-corporate-video>.

## Forward Looking Statements

Certain statements in this news release may contain forward-looking information within the meaning of Rule 175 under the Securities Act of 1933 and Rule 3b-6 under the Securities Exchange Act of 1934, and are subject to the safe harbor created by those rules. All statements, other than statements of fact, included in this release, including, without limitation, statements regarding potential future plans and objectives of the company, are forward-looking statements that involve risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements.

Technical complications, which may arise, could prevent the prompt implementation of any strategically significant plan(s) outlined above. The Company undertakes no duty to revise or update any forward-looking statements to reflect events or circumstances after the date of this release.

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