**Ultra-Early Warning for Forest Fires**

LSA Security’s suite of asset-protection technologies now includes specific tools to protect forests by providing ultra-early warnings of fires during the smoldering phase. The technology senses the smoke, Hydrogen, and other gaseous products produced in the early stages of a wildfire.

The earlier firefighters know about an imminent danger, the sooner they can take action to address the fire reducing firefightings cost, economic loss, and prevent the loss of human, animal, and plant life.

The need cannot be overstated. In 2020 alone, there were over 58,000 separate forest fires around the world. They impacted or destroyed over ten million acres of precious woodlands. The impact in lives and money is catastrophic and enormous.

In addition to the patent-pending, ultra-early fire detection, LSA Security’s solution provides the forest owner important information on the health and growth of the forest, such as temperature, humidity and air pressure. Our leading-edge sensors work on a long range radio network for IOT. It reduces reaction time to respond to fires and tracks the vitality and growth of the forest as well as other vital ecosystems. In this way LSA Security serves to protect and restore this essential natural resource.

The system comprises wireless, solar powered sensors networked to a scalable distributed gateway. . Our -patent-pending, distributed architecture enables large-scale deployments in areas without existing network coverage. Data collected in the network is processed using cloud-based “big-data” tools for analytics, monitoring and alerting.

LSA Security will deploy its network of representatives to market the fully commercial system worldwide. In addition, the company has established special opportunities for “early adopters” whether they be corporations, governments, and other entities to install smaller “pilot” systems covering specific sectors of their forest properties.