The world's first air quality-based real-time wildfire detection system

Identify wildfires in real-time and alert first responders

In collaboration with and supported by the US Department of Homeland Security, Breeze Technologies has developed an **artificial intelligence-based wildfire early detection and alerting system** based on **ambient emissions data** - an outdoor fire detector.

- Real-time monitoring and alerting, detect fires within just a few minutes from their ignition
- Fully digital tool, alert first responders through emails, SMS and other digital channels
- Avoid false positives from other emission sources like traffic

Monitor local air quality and track the emissions impact of wildfires

To detect wildfires, Breeze Technologies leverages its award-winning and proven **air quality monitoring solution**, the Environmental Intelligence Suite. Thanks to this technology, Breeze can provide **real-time air quality data** in addition to its **fire warnings**.

- Dual use system to detect both wildfires and air quality
- Monitor the impact of wildfires on local and regional air quality to make informed decisions to protect local population
- Automated calibration and data storage
- Real-time data access and processing

A proven technology, developed in Germany

- Developed in collaboration with and supported by the US Department of Homeland Security
- Proven in laboratory tests, during controlled burns and in the field
- Deployed around the world in North America, Latin America and Europe
- Based on Breeze Technologies' award winning air quality monitoring solution
- Developed and manufactured in Germany
- Data processing in climate-neutral data centers