



NS²
Nucleic Sensing Systems

Technology Overview

DNA Tracker

Providing autonomous, real-time, continuous, field-deployable genetic detection technology.

AUTONOMOUS, CONTINUOUS DETECTION

- A genetic "smoke alarm" for species and pathogens of concern



IN-FIELD DEPLOYMENT

- Ruggedized for deployment wherever/whenever needed



REAL-TIME DATA

- Information on genetic abundance accessible, via the cloud, anywhere in the world



The Tracker Capabilities:

- Continuous-flow operation giving real-time results
- Operating with commercially available liquid reagents that require no refrigeration which eases logistical concerns
- No concentration, separation, or purification of samples required
- Simultaneous multi-species detection enables geospatial and temporal data for mapping and optimizing a management response
- Autonomous, GPS integration, Cloud-connected software interface with data & alerts
- Digital genetic verification via PCR with general specificity



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