

Viviota Time-to-Insight™ SensorFusion

Data Depth and Precision for Your Most Demanding Models & Simulation

Builds on Viviota Time-to-Insight™ success, unifies and synchronizes disparate data

Supports a rich set of multi-sensor data fusion and analysis automation tools

Time-align multiple sources & data formats including video, sensor, GPS

Multiple synchronized views including graphs, video, GPS and simulation in one easy-to-use dashboard

Integrable with virtual modeling & simulation software for deploying AI/ML-driven simulations

UNIFIES AND SYNCHRONIZES MULTI-SENSOR DATA

Where multiple sensing modalities are required, Viviota Time-to-Insight™ SensorFusion (TTI SensorFusion) brings them together. TTI SensorFusion enables engineers to innovate rapidly, shortening product development cycles, while dramatically reducing costs. Prepare data for:

- Advanced exploration and visualization
- Event and anomaly detection
- Evaluation and refinement of complex AI/ML simulations and models

WHEN ENGINEERING DATA MANAGEMENT GOES BEYOND FINDING, ORGANIZING AND ENRICHING DATA

Extend Viviota Time-to-Insight capabilities with a rich set of multi-sensor data fusion and analysis automation tools.

- Time synchronization of disparate data sets including video
- Engineering events data management
- Centralized analysis automation
- Fully integrable with common engineering analysis tools (MATLAB, DIAdem, LabVIEW etc.)



MAKING SENSE OF SENSOR DATA

LEARN MORE: www.viviota.com



Unified Data

Intelligent data handling provides analysis results 10 times faster, shorter time-to-insight & decisions

- Time synchronize data sources across video, sensor measurement & geolocation data
- Identify anomalies, patterns & events within the data
- Enhance raw data with descriptive metadata



Unified Models

Sensor Fusion is essential for your most demanding models, and AI/ML-driven projects

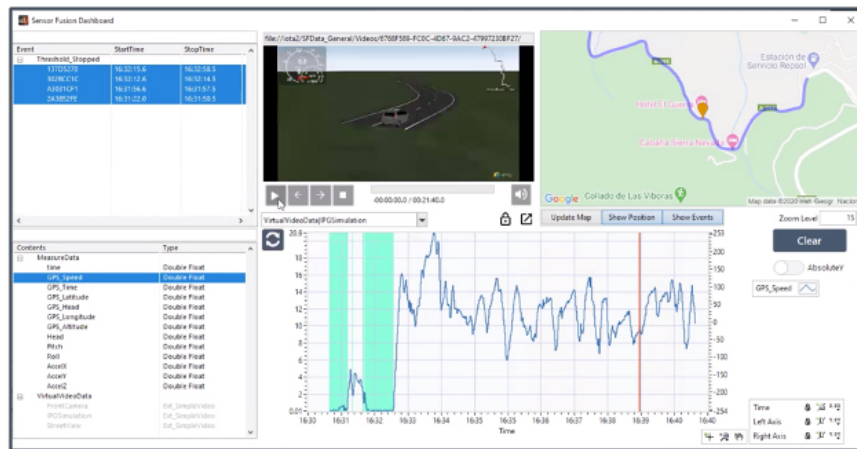
- Sensor fusion adds precision to simulation models
- Enriches data ready for use with AI powered analysis
- Data integration across all vehicle or product systems and augments with external data



Unified Process

Drive product innovation and collaboration with the right engineering data backbone

- Connect edge-based processing all to the cloud
- Share data and analysis logic across teams and geographies
- Automate end-to-end processes to speed development and innovation



KEY FEATURES

Multi-Sensor Data Fusion and Synchronization

Time alignment interface for synchronizing and fusing multi-sensor data

- Align data sets visually and/or automatically.
- Create and attach metadata to related channels
- Edit video sources for synchronized play back
- Record events in data for future analysis

Dashboard for Data Inspection and Review

Locate and retrieve files using server-level search engine & metadata characteristics

- Visualize and explore synchronized data
- Explore characteristics through aligned data plots and video playback
- Integrable with simulation software