

Viviota Time-to-Insight Analytics Studio™

Maximize the Value of Your Engineering Analytics

Get to optimal answers faster

Increase analysis accuracy

Leverage your existing
engineering analytics

Automate rote analysis tasks

Deploy to network, edge,
and cloud environments

Easy-to-use intuitive user
interface and dashboards

MAKING SENSE OF SENSOR DATA

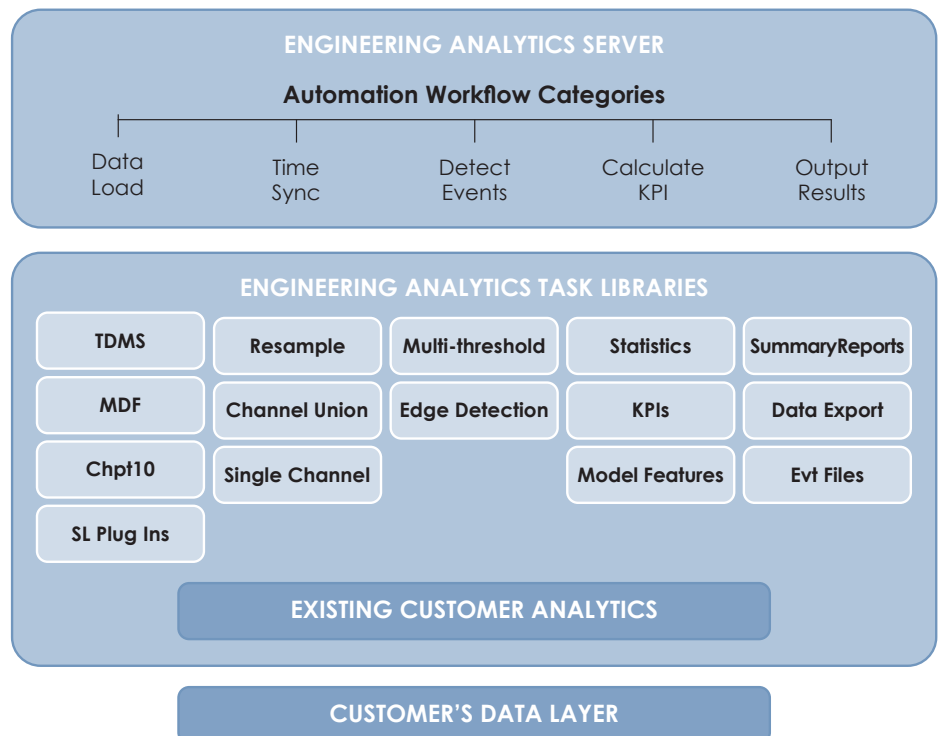
To stay agile, engineering development teams are increasingly leveraging advanced analytics to bring quality products to market faster. Engineers want to leverage techniques such as AI/ML, and simulation all based on digital twin virtual physics models to support their engineering process to reduce errors and speed the development process. But today, engineers lack the advanced analytics automation tools to simplify and speed up the analytics workflow processes required to power advanced models.

SUPERCHARGE YOUR ANALYTICS

Time-to-Insight Analytics Studio™ (TTI Analytics Studio™) is purpose-built for product development engineers wanting to leverage simulation, AI/ML models and other advanced analytics techniques. TTI Analytics Studio™ takes the labor intensive steps out of the process, accelerating product development speed and innovation while lowering costs.

TTI Analytics Studio automates analytics workflows from data load to output and includes built-in information extraction features for KPIs, Event Detection, Model Featurization, Analytics Automation and Report Generation.

VIVIOTA TIME-TO-INSIGHT ANALYTICS STUDIO



Bridging the Gap Between Knowledge Extraction and Actionable Insights

EVENT DETECTION

TTI Analytics Studio's powerful information extraction features include Event Detection which provides additional insight about tests such as an events causation or effects. With TTI Analytics Studio compare events across times, model or other variables. Even Isolate data sub-sets around event markers for deeper analysis.

KPIS

KPIs are the cornerstone of system modeling, traditional and Machine Learning. With TTI Analytics Studio identify and measure KPIs and automate KPIs value flow to management and data scientists.

FLEXIBLE AND EXTENSIBLE

- TTI Analytics Studio supports thousands of file formats, provides integration with common engineering data management systems and APIs for integrating reporting, dashboards and other analytics outputs to other systems. Built-in data integration include: NI DataFinder, SQL, ASAM ODS.
- Search Engine: NI DataFinder, Elasticsearch, Apache Solr
- Analytics: NI Analysis Server, Tableau, NI DIAdem, MATLAB, NI LabVIEW, Python, C/C++

ANALYTICS AUTOMATION

TTI Analytics Studio provides engineers with a scalable tool to analyze large amounts of data quickly and effectively. Intelligent server parallelization reduces analysis time by up to 90%. Multi-step workflow automation from data load to output

- Visual & programmatic interfaces for workflow development & execution
- Built-in error handling
- Data loaders for a wide variety of engineering data formats
- Handy libraries for common engineering analysis tasks and KPIs
- Viviot event detection and management
- Multi-source, channel & sampling rate normalization libraries
- Multi-step solution libraries for key applications. ex: safety testing
- Easy tools for embedding user-created analytics code into studio workflows



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LEARN MORE: www.viviot.com