Viviota Time-to-Insight™ Software Suite

We help customers derive more value from their engineering Big Data—faster. Viviota Time-to-Insight super-charges data discovery, acquisition and analysis for engineering teams. Our software cut the time to find and analyze your important data by up to 90%. Our easy-to-use software allows you to focus on their core business, not on developing and maintaining engineering Big Data analytics systems.

Trust Your Data, Speed Analysis

Engineering organizations are challenged by poor data management infrastructures. These practices significantly impact process within R&D slowing time-to-market. Data is often siloed: coming from multiple sources, and stored in multiple locations and formats.

Engineers are tasked with preparing their own data for analysis, duplicating effort that could be performed centrally and shared among individuals that need the same data. Engineers often use inefficient means, prone to error, of preparing and analyzing the data. Processes may be manual and/or on spreadsheets.

Automate Data Prep and Analysis

The Time-to-Insight™ Software Suite (TTI) provides an out-of-the-box solution for data cleansing, indexing, searching, processing, and reporting. TTI provides customers with a common framework and client interface. It is flexible, customizable and extensible.

- Simplifies Engineering Big Data cleansing, indexing, searching, analysis and reporting
- Purpose-built for engineering Big Data applications
- Common framework and shared interface for related analysis software & databases
- Enterprise and engineering group-level data management and analytics
- Master DataDashboard for data mapping across production cycle
- Compatible with standard engineering software tools
- Server-based performance
- Utilize both application and browser-based user interfaces
- Open API supports customized and third-party user interfaces

Modular System:

Viviota DataPrep™ — Utilizes a rich plug-in customization architecture to guide engineers through the process of importing raw data from a wide array of sources into an organized and indexed data store

Viviota DataLook™ — Provides engineers with powerful search engine functionality, allowing them to search, filter, and preview the data from a unified interface

Viviota DataCrunch™ — Leverages powerful engineering toolchains to process raw data to generate insight and knowledge in the form of reports and new, processed data

TTI Framework

- **Extensible**
- **Universal access**
- **Open API**
- **Security integration**
- **Management & health utilities**

Modules

DataPrep
From data source to cleansed data
- Correct
- Standardize
- Describe (meta-data)
- Prepare

DataLook
Cleansed data
- Search
- Filter
- Preview
- Selection

DataCrunch
Cleansed data to analytics results
- Analyze
- Report
- Optimize and reduce
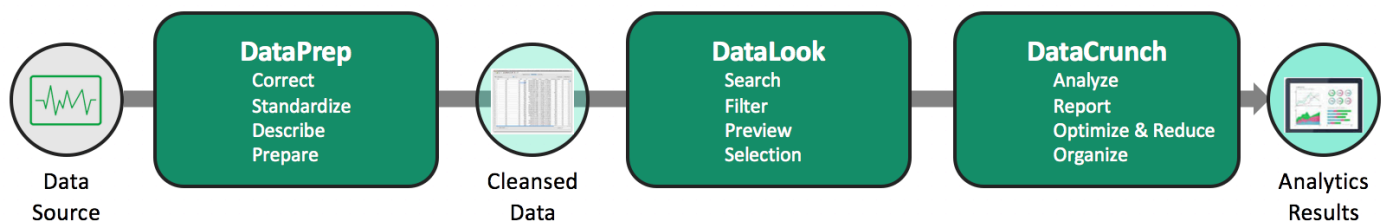- Organize

Viviota DataPrep™

DataPrep provides engineers with a highly customizable interface to aid in importing data. DataPrep enables users to standardize, convert, and describe their data to help them easily locate their data assets. The cleansed and unified data is added to a search engine index for quick data searching.

- Standardize and correct data channel names
- Data preview and validation
- Meta-data linking and input
- Data restructuring
- Data linking
- Automated and interactive modes supported

Viviota DataLook™

Viviota DataLook provides an easy-to-use interface for searching and previewing indexed data files. Users can create queries to search meta-data or search by text strings allowing engineers to quickly find, view, and compare files.

- Standardized out-of-box application and browser interfaces
- Customizable user-interfaces
- Open APIs for third-party software
- Connections to third-party databases (Oracle, SQL, etc.) and search engines
- Data export to standard engineering tool-chains or as direct data downloads

| Data Source | **DataPrep** Correct Standardize Describe Prepare | Cleansed Data | **DataLook** Search Filter Preview Selection | **DataCrunch** Analyze Report Optimize & Reduce Organize | Analytics Results |

Viviota DataCrunch™

Viviota DataCrunch provides engineers with a user-friendly interface to perform the data analysis routines needed to extract knowledge and insight from their raw files.

- Standard and customizable templates and guides
- Client/server product
- Interfaces with LabVIEW, DIAdem, MATLAB, Python, and C++ environments
- Scheduled or automated analysis
- Customizable interfaces for analysis routines
- String together analysis routines into a sequence
- Server-side distribution and parallelization intelligence to reduce analysis time
- Compatible with National Instruments Analysis Server

Hewlett Packard Enterprise
Business Partner

measX
Measurement System Experts

NATIONAL INSTRUMENTS
Alliance Partner

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