

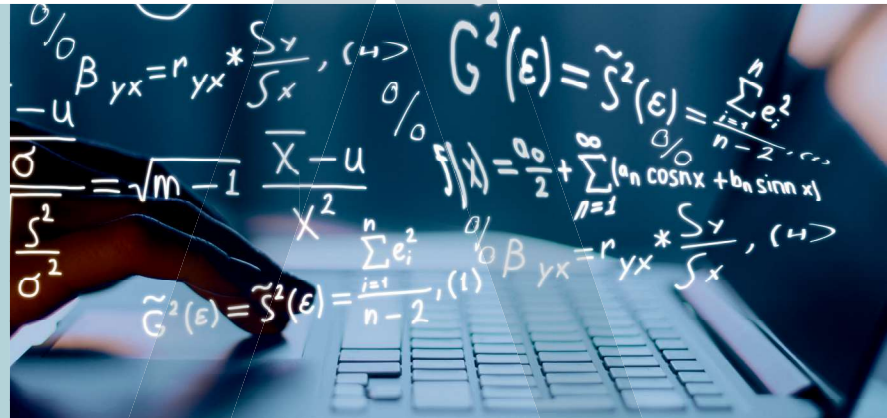
Predicts and prevents machine downtimes for the heavy industry

MultiViz

Viking Analytics visualisation tool, MultiViz, helps to understand data and clearly visualize multidimensional anomalies both in historical data as well as in real time. Our proprietary analytics visualisation tool MultiViz can be used for identifying rare events, fingerprinting them and understand the root cause. MultiViz is based on state of the art techniques in machine learning to give the user the most efficient way to handle huge amount of data.

FEATURES

- Visualisation of multidimensional data
- Anomaly detection
- Fingerprint events
- Pattern recognition
- Root Cause analysis
- Easy to use



DETAILS

Visualize data and patterns

Understand your machines or processes with this powerful visualization tool. Through intelligent algorithms MultiViz scales the multidimensional data pattern into clusters in the four dimensional space and creates a time based snake. The snake efficiently shows anomalies and sets the input to the root cause analysis.

Identify anomalies

Search and analyse huge amount of data to find anomalies.

Identify early indicators of anomalies of interest, which can be converted into early warnings in real time.

Fingerprinting

Bookmark, label and store patterns of interest, to improve prediction and the root cause analysis. Type in notes and annotations and it's easy to share with other users.

Root cause analysis

Identify and view the most critical root causes and enable easy access to detailed sensor information

Pattern recognition

Perform search for events that have been already recorded or fingerprinted. Also search for events based on time-periods or other information.

Facilitate user feedback and note-entry

Users can provide feedback on health patterns and conditions enabling the engine to learn about the machine condition actively.

Dashboards

Personalize your interface with the root causes, warnings etc. for the different assets of interest.

Easy to use interface

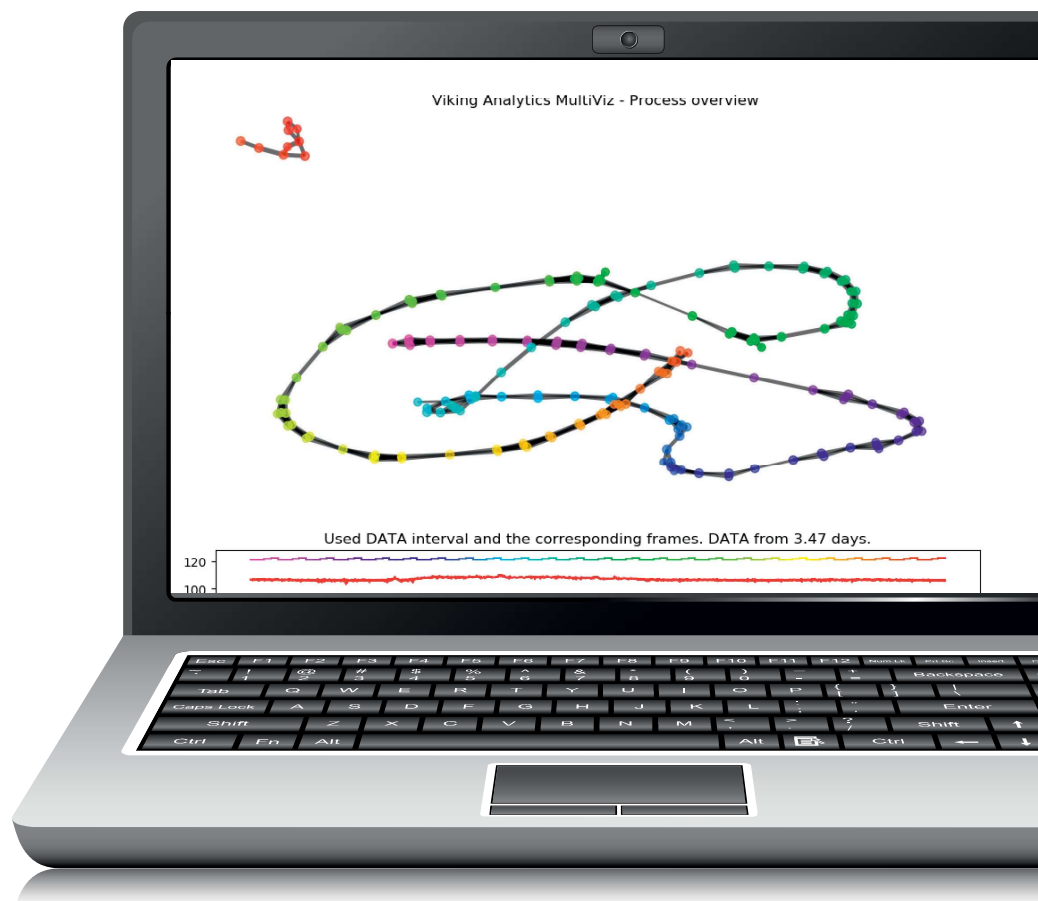
It provides simple and usable interfaces for supervision, analysing, file uploading, documentation, testing and other functions.

Generate quick reports

Quickly generate materials for collaboration, (pictures, graphs, analysis) and solving process performance issues or maintenance planning.

Import and export

Data from external sources can easily be imported and combined with the historian data sets. Also, easy interfaces to other visualization and analytics tools like MS Excel are provided. File uploading in multiple formats is supported. Finally, simple functionalities for downloading results are also included.



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