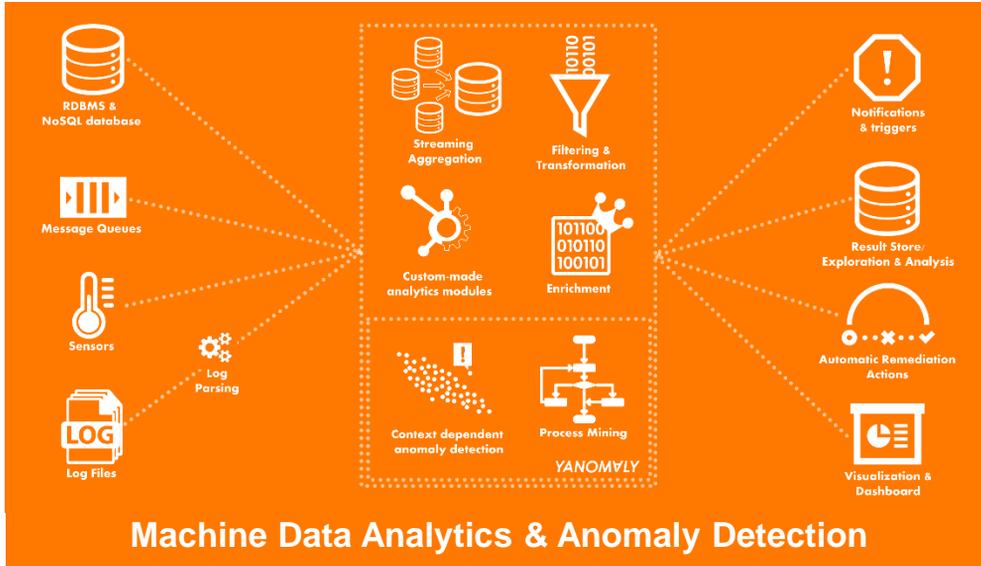


YANOMALY

Add Artificial Intelligence to your Data Monitoring Platform

Sensor data and event logs are constantly being generated by many machines, production lines and devices. They are rich in information but getting to this value is not trivial.

Yanomaly is a specialized solution for extracting valuable insights and actions from machine data and log files by means of advanced analytics and machine learning.



With its modular highly scalable architecture and flexible licensing, YANOMALY is made to be easily integrated into existing (remote) monitoring platforms, in the cloud or on premise.

Key Use Cases & Benefits



Operations

Continuous real-time monitoring with early warning of technical issues, prediction of failure for predictive maintenance.



Service & Support

Faster diagnostics & root-cause analysis thanks to AI-assisted data exploration, for lower MTTR & more efficient service teams.



R&D

Better product design, more precise engineering requirements, higher reliability through better testing based on product usage analytics.



And More!

Custom Analytics for performance insights, optimization of sensor network expansion, self-learning troubleshooting assistance...



Unique Capabilities

Yanomaly is built to work with all kinds of data. It already has applications in a variety of fields such as industrial production lines (continuous and batch processes, as well as discrete manufacturing), OEM's fleets of field-deployed "machines", IoT-enabled utilities networks, power plant systems, medical imaging equipment and network and telecom infrastructure,.

In traditional machine data and log analytics, predetermined rules and thresholds for alerts may not be triggered correctly, or not at all, by a previously unheard of anomalous event. The growth of data generated by machines has also made it impossible to anticipate or even describe all possible events.

Machine-learning based anomaly detection does not suffer from these shortcomings, and is hence a valuable addition. Especially when the observed machine or production line is complex, or changes over time, or is influenced by uncontrolled external factors, machine learning based anomaly detection will discover issues that are not detected by human written rules.



Process Mining: The ability to learn from the various heterogeneous data streams statistical models that describe how the machines, devices and systems have been used and which process steps were executed by those systems.



Context Dependent Anomaly Detection: the ability to detect in real-time anomalies (i.e. unusual combinations of values, patterns and behaviour) or abnormal process execution in both numerical data and log files, while taking into account the context in which the system operates.



Automated Log Parsing: Complex equipment usually runs software that generates event logs about process execution, performance, error messages etc. By leveraging machine learning, Yanomaly processes raw log data to make it useful, for example to extract complex events.

Some of our customers & partners in machine data and log analytics R&D:



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