

Detectiv.ai

Real-time AI solution for anomaly detection.

Using artificial intelligence for real-time **detection of anomalies (outliers) in time series** from sensors placed in the field and other structured data.

1 DETECT ANOMALIES

Identify anomalies overlooked by traditional threshold system, through machine learning techniques, considering the interaction between all input variables.

2 CUSTOMIZE DASHBOARDS AND ALERTS

Display the outliers through customized monitoring dashboards and configurable alerts, in order **to have full observability on their evolution over time and the gravity of potential process drift**. With an API for easy integration with existing systems.

3 GENERATE BUSINESS VALUE RIGHT AWAY

Effortlessly switch to best model for the ongoing production, automatically creating a new one on specific data if needed, **reducing the time spent collecting data and minimizing the system configuration**.

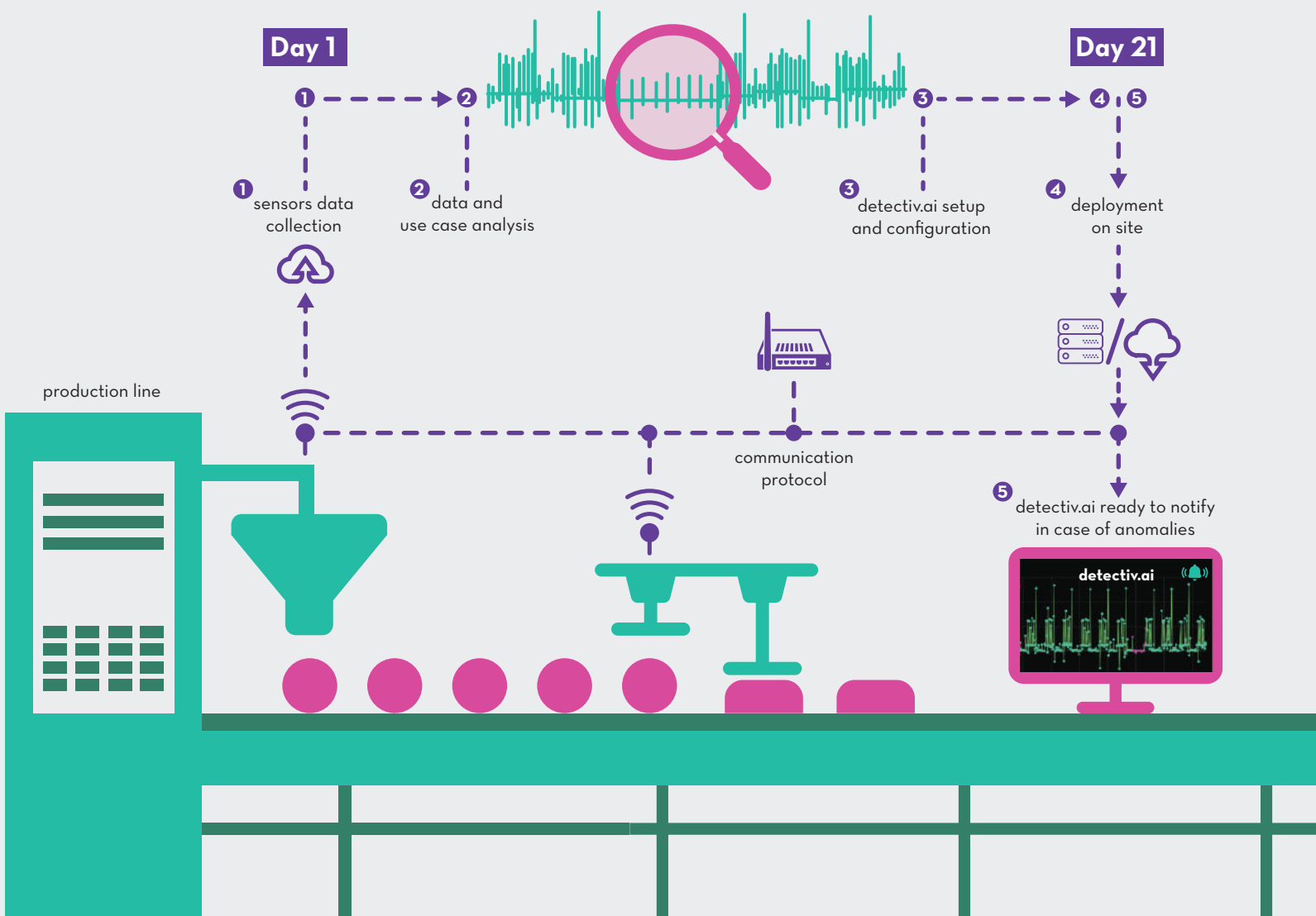
4 IMPROVE PERFORMANCE OVER TIME

Support for continuous training, to keep improving performances as more data becomes available.





Anomaly detection Predictive maintenance



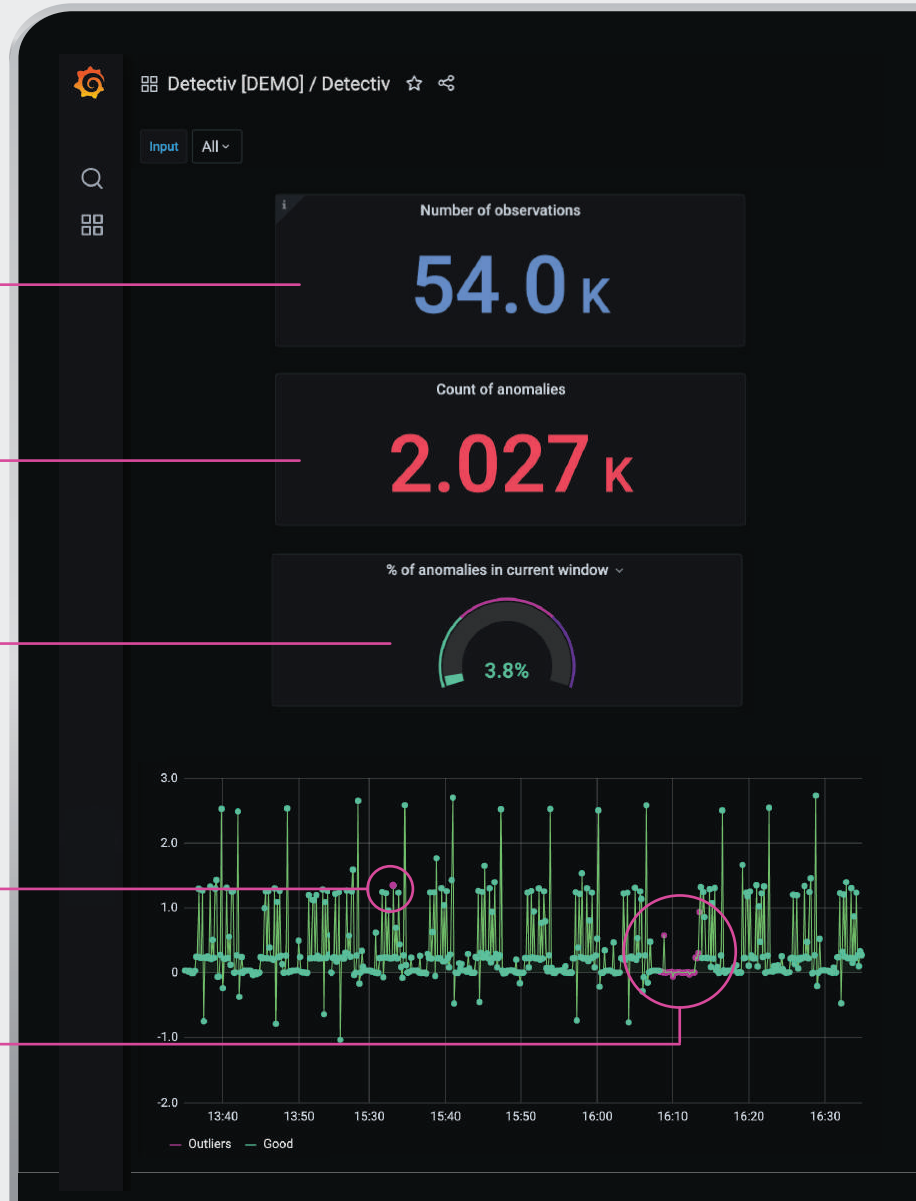
Total number of observations in the time window selected.

Total number of anomalies encountered in the time window selected.

Percentage of anomalies in the time window selected.

Input data.
Anomalous observations are marked with a dot.

Anomalous pattern detected.





Overall number of input signals currently ingested in Detectiv.ai.

Current alert evaluation on overall Anomaly Score. If the Anomaly Score goes above the user selected threshold, this alarm is triggered.

Current Anomaly Score evaluation.

Identification of the most similar anomalous event already faced, proposing a solution on the basis of past experiences. Automatic calculation of a similarity measure.

User-defined alarm threshold.

Anomaly Score value on the selected time interval.

Latest alarm triggered.