



Anomaly Detection for Actionable Asset Insights

What is Anomaly Detection?



Anomaly Detection is the process of analysing data to identify any abnormalities.

Using machine learning allows us to understand patterns in large sets of multi-dimensional data, providing a contextual view of what is “normal”.

Identifying when a physical asset is producing data with anomalies allows you to better monitor and maintain your assets.

Image: [Flaticon.com](https://flaticon.com)

The Productivity Challenge

£40 Billion

Global cost of
unplanned
downtime

Over £200k

Hourly average cost
of halted production
lines across
industrial sectors

1.5 Million

Tonnes of food
wasted in the
Production
process

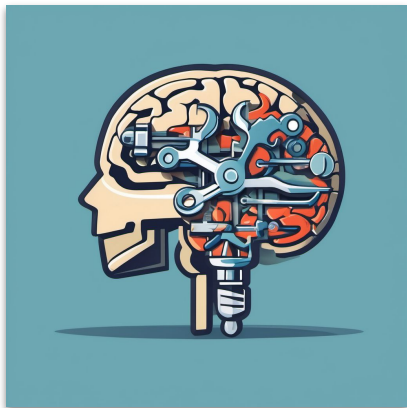
50%

Proportion of
energy used in
Manufacturing
which is wasted

[Sim PAC Live 2024]

What Can I Use It For?

Predictive Maintenance



Identify equipment in need of maintenance well in advance of failure so you can take action early and avoid unplanned and unnecessary downtime.

Process Insights



Spot unusual operational conditions and events so that you can explore issues before they disrupt production.

Energy Monitoring



Detect unusual energy usage and further reduce operation costs and materials usage by maximising asset lifespan.

Images: Created using Pixlr

Benefits of the Anomalyse Platform

Our machine and plant assets insights platform helps to identify actionable interventions for manufacturers and process owners enabling:

1. Reduced machine downtime
2. Identification of process deviations which otherwise lead to poor quality or scrap product
3. Support for optimised energy utilisation

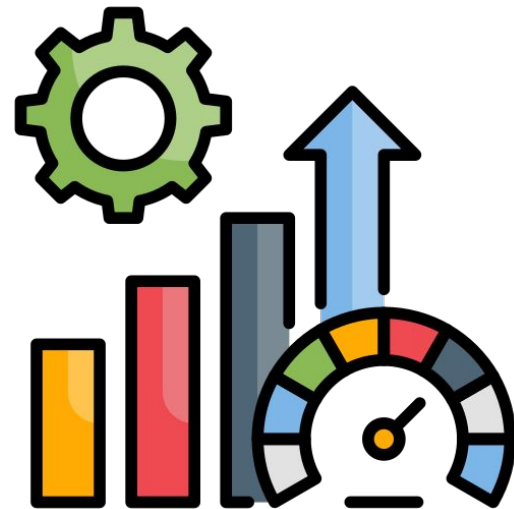


Image: [Flaticon](#)

The Team



Dr James Rynn
CEO | Co-founder



Jim Harris
CRO | Co-founder



Matt Kelly
CTO



Dr Adam Crowder
Data Science Consultant



Dr Max Barton
Data Science Consultant

The Anomalyse Solution



What is the Anomalyse Platform?

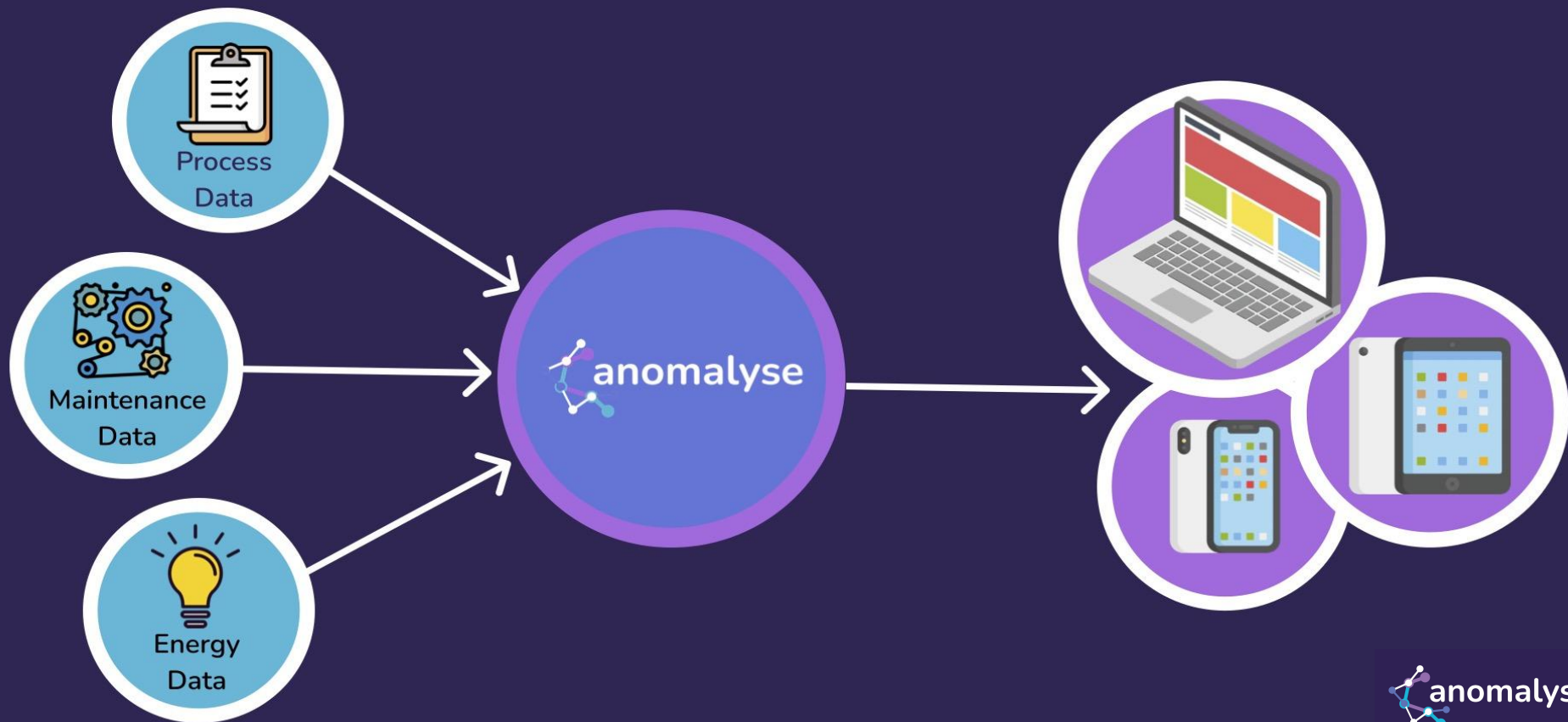
A machine insights hub providing **actionable insights** for manufacturers and asset managers to maximise their asset OEE.



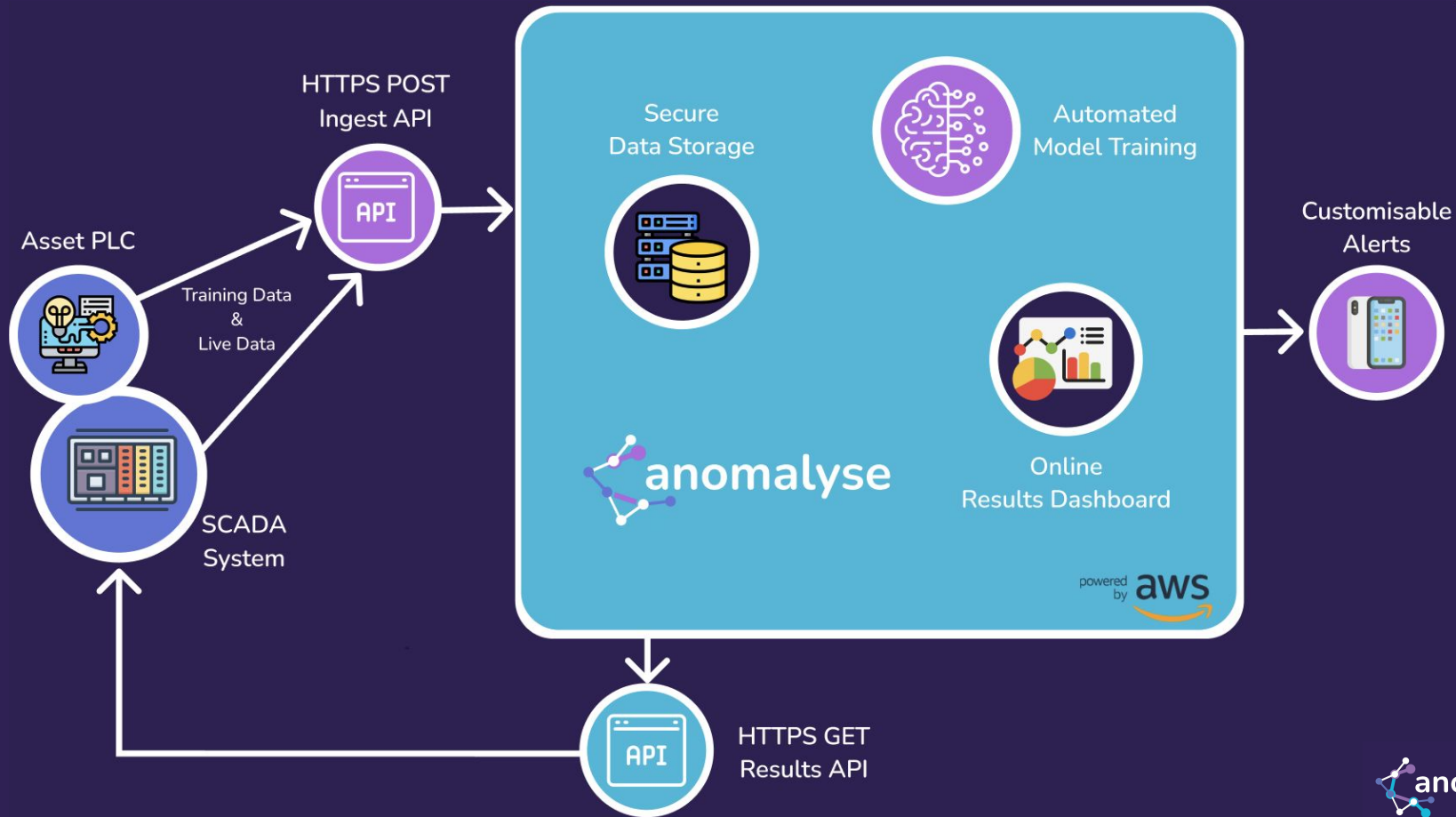
The Anomalyse platform receives equipment sensor and control data and uses machine learning-powered anomaly detection to support the early and accurate identification of equipment abnormalities.

Images from Flaticon: [Red](#), [Amber](#), [Green](#), [Dashboard](#)

What Data Does the Platform Use?



System Architecture



Why Anomalyse?

Multi-parameter Analysis	Automated & Scalable	Targeted Alerts	Expert Team
By using all of your available asset data for training our machine learning models we enable them to learn a complete view of your asset, eliminating blind spots suffered by single-parameter approaches.	Our automated training approach requires only your data, no lengthy discussions or labelling required - repurposing existing data leading to quicker ROI .	Automated alerts with bespoke sensitivity and manually set thresholds allow you to focus on the problems that matter most.	Research into bespoke methodologies by our expert Data Science team allows us to remove the complexities of data analysis and provide you with the actionable insights you need to make positive change.

How do I get Started?

1 Select which assets to monitor. We're ready to support you with this.


Asset
Selection

2 Send a representative sample of your asset's process control data for review by our expert team.


Data
Review

3 Set up regular data transfer for live support.


Data
Transfer

4 Start receiving regular reporting and alerts when abnormal equipment activity is detected by our machine learning models.


Anomaly
Detection

5 Talk to us! We use all feedback to help us provide the best product to meet your asset monitoring needs.


Feedback &
Collaboration

Images from Flaticon: [1](#), [2](#), [3](#) & [5](#).

Pricing

	Standard	Premium	Enterprise
Subscription	Up to 10 site assets or up to 30 machine learning models. Price: £399 per month. (minimum 3 months, recommended 6-12 months).	Up to 50 site assets and upto 150 machine learning models. Price: £1000 per month. (minimum 6 months, recommended 6-12 months).	Unlimited Assets and machine learning models. Price: On request. (minimum 12 months).
Data Transfer & Onboarding	Data sent using existing data integration option (e.g. AWS S3 or HTTP API) Price: £100 per ML model.	Data sent using existing data integration option (e.g. AWS S3 or HTTP API) Price: £75 per ML model.	Existing and/or bespoke data integration options available. Price: On request.



Thank You



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