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Simplifying Digitalization and Optimization with Production Data

www.trendlog.io

#WeLoveData

How much does it cost for every hour that your most important machine is down?

How much time does your employees spend updating spreadsheets and KPI reports?

Do you spend a lot of time performing untimely maintenance and repairs?

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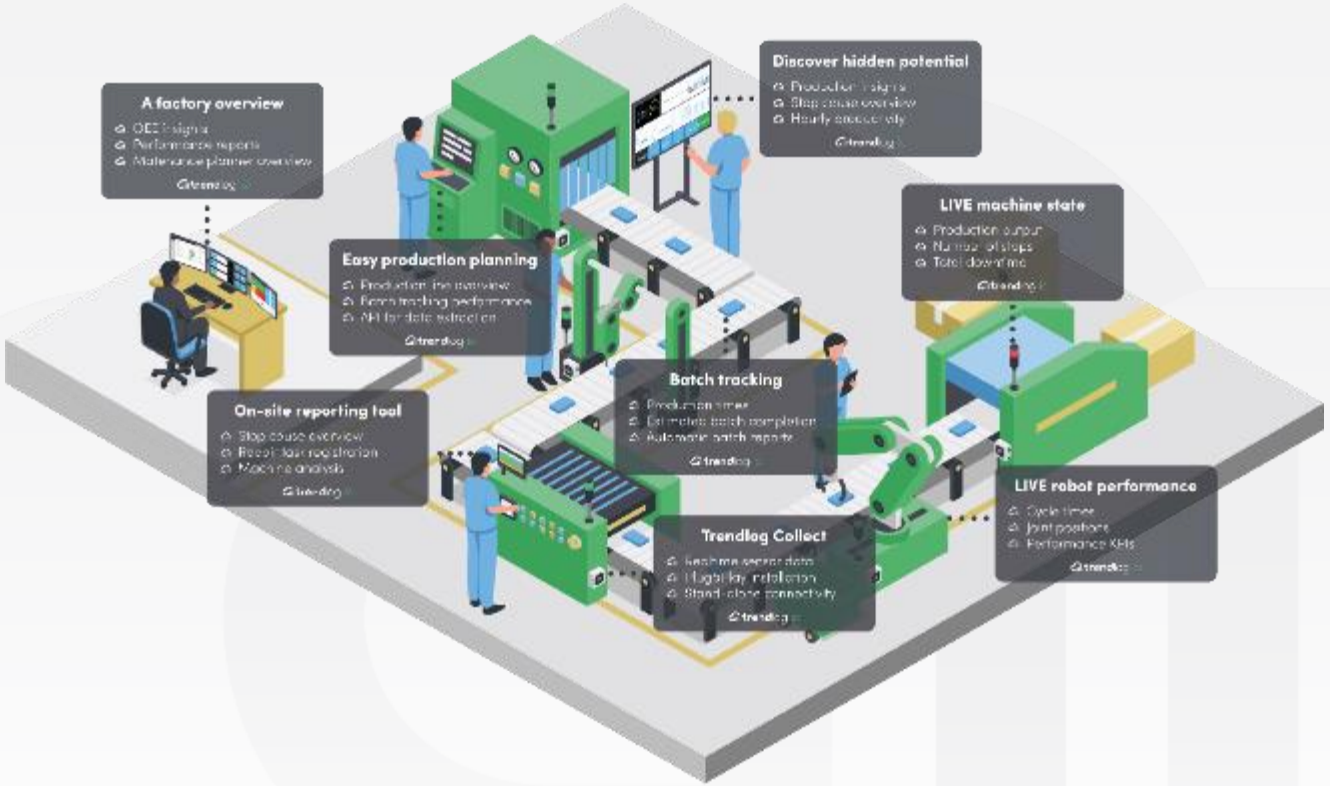
Right data, right people, right time

Vision

Trendlog is helping companies digitize and reduce their climate imprint globally

How

By simplifying a solution, based on data collection and Cloud software, that will allow companies to use their own data to monitor production, reduce downtime and increase operational efficiency



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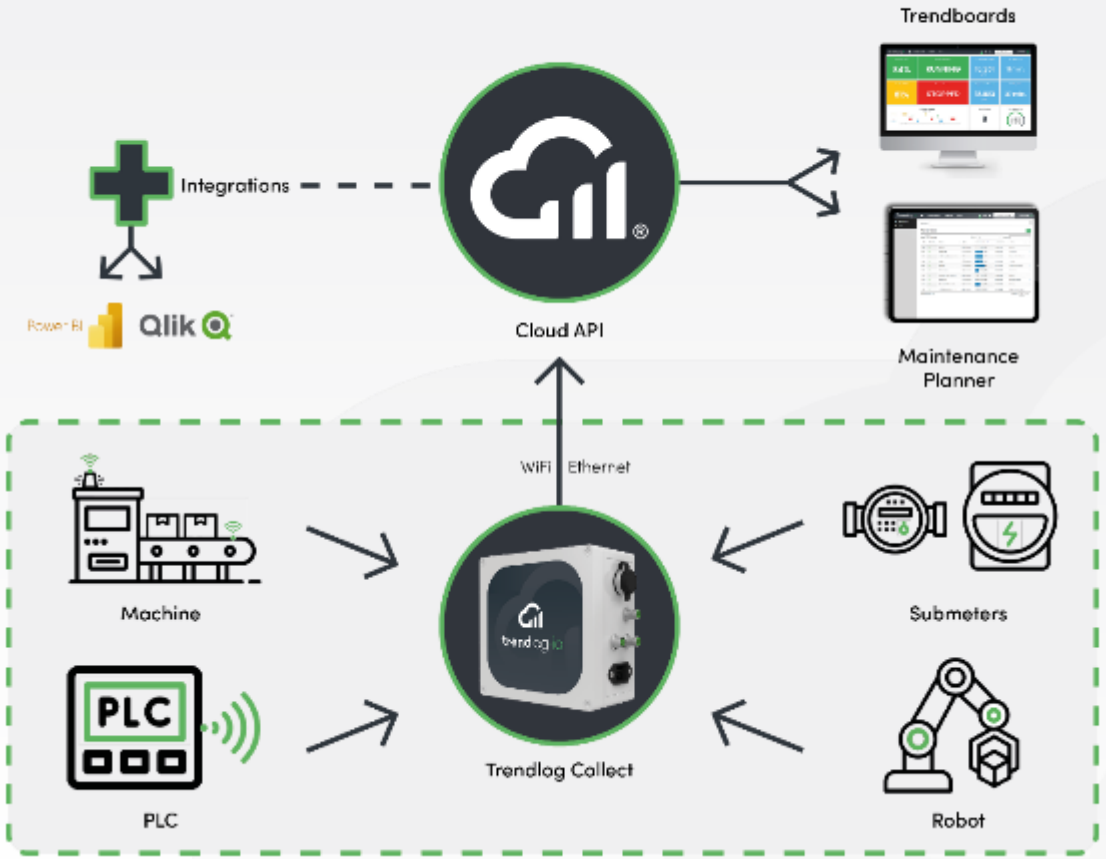
Plug & play data collection and flexible SaaS

Easy integrations to RestAPI

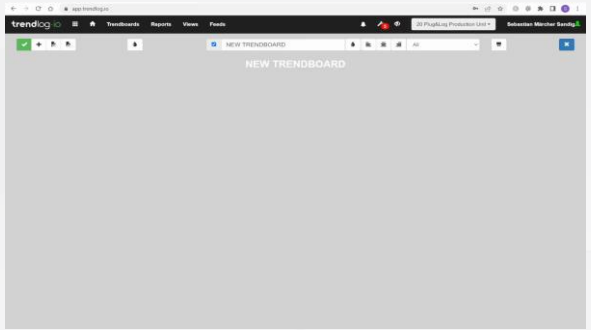
Connect your preferred software systems to the Trendlog Cloud RestAPI for seamless integration

Monitor your production

Collect data automatically from your fleet of machinery with easily implemented collectors



Intuitive overview



Follow energy consumption

Connect submeters to your machines and work with the efficiency and consumption of your factory

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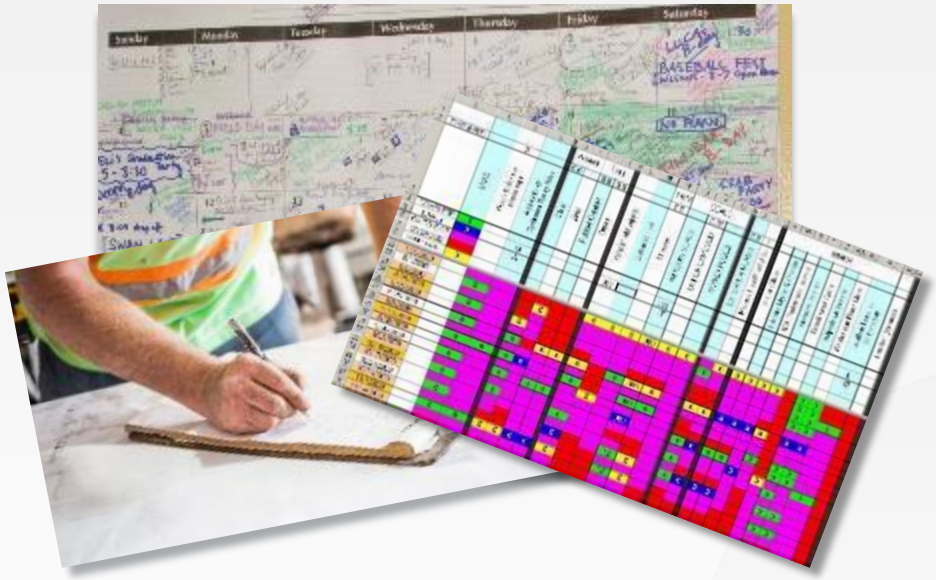
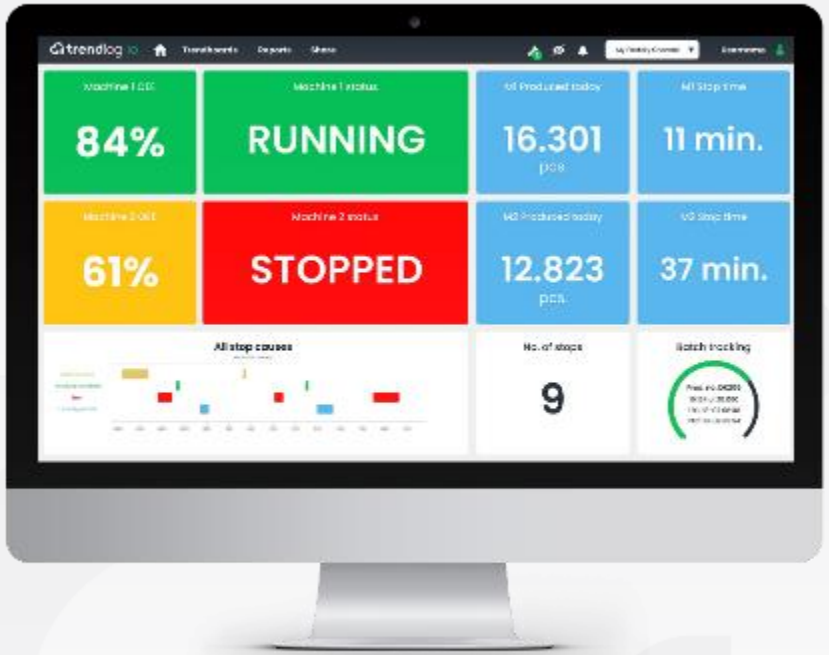
Easy, automatic & enabling





From white boards and spreadsheets

A lot of companies today rely on white boards, complicated spreadsheets and manual performance note-taking

To one, collective system

Monitor your production, track your consumption and organize maintenance and repairs from one collective system

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Applications: Efficient, profitable & sustainable

Production Monitoring

Overview, reports & efficiency

Track performance data from your factory, reduce machine downtime and increase the operational efficiency

Maintenance Planner

Predict, organize & maintain

Prevent expensive breakdowns on machines with a planning system and history of all repair tasks

Energy Data

Consumption & documentation

Follow the consumption of energy, water, and gas, reduce any resource waste, and document your findings

Process & Quality

Measure, inspect & report

Monitor heating, drying or welding processes, inspect the quality and document it fast and easy

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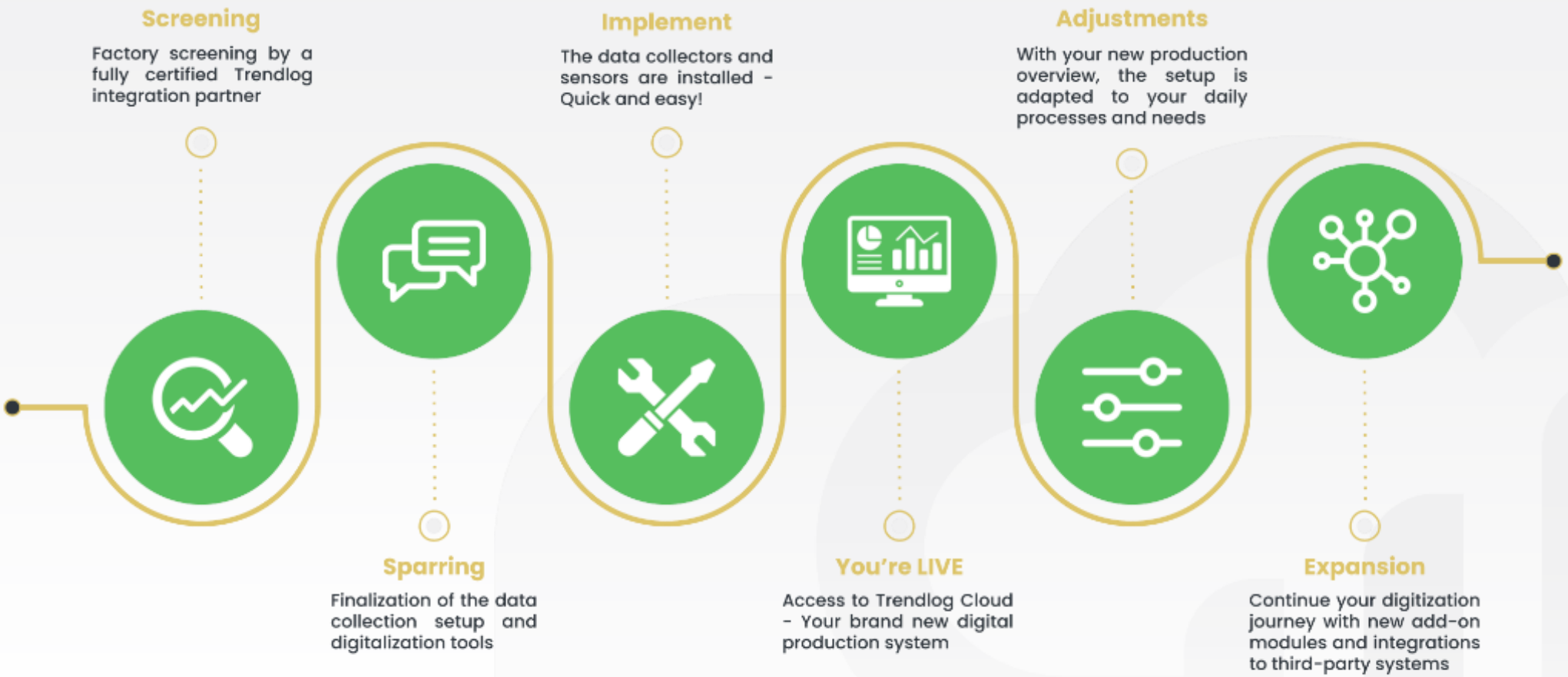
Trendlog CLOUD

Start your digitalization journey with Trendlog



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Business Case: Your ROI

Example

You have a setup of 10 machines or production lines, and you wish to monitor their performance and maintenance needs.

This setup requires Trendlog Collectors and a software subscription to access dashboards, analytics and the maintenance overview

Assumptions and experience

The operational cost of every machine every hour is 100 euros, you're operating in 2 shifts of 8 hours every day.
Our customer experience show an average of a 5% efficiency increase.

Result

The overall initial project costs, including hardware, software, integration and setup, come to

= Approx. 21,000 Euro

Following annual subscription come to

= 4,000 Euro

ROI = 26 days

Profit = 202,000 Euros/year

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Business case: Your ROI

Operational costs		
Working days per year	253	*2022 = 253*
Hours per shift	8	
Shifts per day	2	
Machinery cost per hour	€ 100	*Wages, energy, maintenance. Avg. cost 100 to 130 euros*
How many machines to monitor	10	
Expected OEE increase in %	5	*Avg. optimization between 5 to 15%*
Project costs		
Costs of installation	€ 4.000	*Input from integrator (hours, material etc.)*
SaaS subscription (per machine or robot)	10	*Approx. 5 feeds per unit or 500,000 logs*
SaaS subscription (per small sensor/feed)		*Per feed or 100,000 logs*
Hardware (TL Collect UNO)	10	*Standard data collector. 1 per machine or robot*
Setup package	1	*Configuration of hardware, API, data channel, and dashboards*
Onboarding	1	*Personnel training 1 hour + 2 hours of additional support*
Adjustments, customization & integrations	€ 1.300	*Expected costs of customization and further adjustments*

Total costs		**Savings & ROI**	
Total subscriptions	€ 4.000		
Total setup and onboarding	€ 871		
Total hardware	€ 10.720	**Savings per year**	**€ 202.400,00**
Total customizations	€ 1.300	**Savings per day**	**€ 800,00**
Total installation costs	€ 4.000		
Total project cost	**€ 20.891,00**	**ROI / antal dage**	**26**

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Case

Setup

1. 40 production lines retrofitted with data collectors and sensors
2. Full production monitoring of machine state, downtime and productivity
3. Maintenance planning and organization of repairs
4. Integration of batch numbers with third-party production planning software

Results

1. 3-5% more efficient in their daily production performance
2. Fast adjustments of production lines in case of breakdowns
3. Tablet registration of stop causes and batch numbers
4. Fewer machine breakdowns because of predictive maintenance and an extensive repair task history

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Case story:

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