

OPTIMAL+

Lifecycle analytics you can trust

Lifecycle analytics for reliable electronics

Company overview



Lifecycle analytics for reliable electronics

The world has changed. Technological innovation has transformed our lives. Products and devices are evolving fast, becoming more intelligent and more connected. They are more convenient, better designed and more powerful.

This progress relies on thousands of electronic components – themselves part of an increasingly complex, global manufacturing process.

A mission critical problem

But the growing amount of electronics in each product has created significant safety, reliability and quality challenges. The weight of these challenges is on all the players in the electronics value chain, but particularly on brand owners.

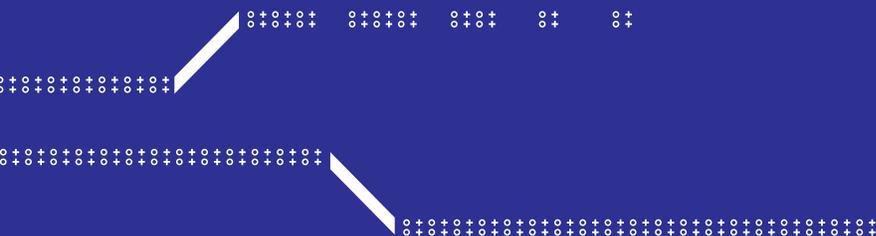
The entire value chain, including the consumers, is demanding that brand owners guarantee reliability. Electronics reliability is now essential for your business.

How can you be sure every component or a product you ship is truly reliable and will remain so?

How are you going to drive product reliability while keeping prices down?

The solution: Know everything about your product

The only way to be confident in any electronics component and its consistent future performance is to know everything about it: where it came from, what it's been through, and what all this information means for its future. We call it the "product journey". The focus must be on the product and not just on the machines that made it. Armed with product insights, you can tune your manufacturing and reduce costs while improving safety, reliability and quality.





OptimalPlus

Lifecycle analytics you can trust

We collect data from systems and machines across the entire value chain, provide timely and actionable insights and drive automated actions in manufacturing operations to ensure optimal product reliability and manufacturing efficiency.

OptimalPlus lifecycle analytics detect the unique “DNA” of each electronic component and predict its performance. That means you get a deep understanding of all the attributes of your products, leading to an accurate assessment of how the product will perform, how it will interconnect, and how it will last as it is being used.

We call it lifecycle analytics for reliable electronics.





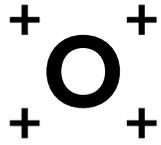
70bn+

devices analyzed each year

OptimalPlus has established itself as the leading innovator in electronics analytics for some of the largest and leading electronics players in the world. We now check over 70 billion devices a year.

We do this using full product lifecycle visibility, advanced analytics and in-depth domain expertise. OptimalPlus is the only ISV with data scientists who are semiconductor and electronic domain experts. More than a decade of accumulated industry knowledge is embedded in our solution and our passion for innovation drives us to constantly improve the technology we pioneered.





OptimalPlus Open Innovation Platform

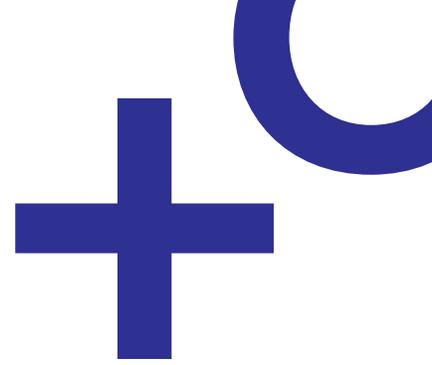
OptimalPlus solutions were developed on top of our unique open platform which is designed to complement your Big Data strategy and fit well into your IT environment. You can deploy the platform in the Cloud or at your premises, alongside or even within your existing data lake. We support many leading Cloud and Big Data platform providers.

OptimalPlus applications can be enriched with data from other sources by querying it directly from sources or by loading into our high-performance, optimized manufacturing data schema. Users can use their favorite tools such as BI applications or Machine Learning development tools directly on data stored in the platform.

The OptimalPlus open platform accelerates innovation by providing a comprehensive end-to-end solution for advanced analytics, artificial intelligence and Machine Learning. With embedded support for standard technologies such as R, Python and Spark, you can leverage the platform's infrastructure to quickly deploy solutions across the organization and even to the "edge" where they become fully integrated into your manufacturing operations.

Developers and data scientists can focus on building, training and testing their algorithms and models and let the platform take care of the lifecycle of the project. The platform automates tedious tasks such as data collection and synchronization, model deployment across all factory floors, management, execution and monitoring.

OptimalPlus: It isn't just data. It isn't just insight. It is 360-degree visibility of the entire electronics supply chain.



With OptimalPlus you get

Full analytics

of the product during the manufacturing flow

Improved reliability

of your products ("escape" reduction)

Greater

electronics/semiconductor yield

More efficient

production

Big Data analytics

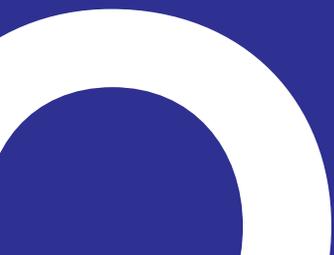
for future product performance

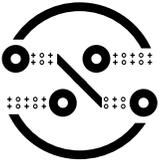
A partner

who speaks semiconductors & electronics

A proven track record

of innovation

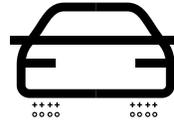




Semiconductors

Not all semiconductors are made the same

OptimalPlus' uniquely powerful semiconductor analytics platform will maximize operational efficiency, product quality, yield and productivity.



Automotive electronics

Driving reliable electronics for the auto industry

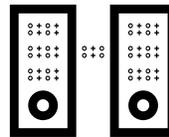
Reliability is critical in the automotive complexed supply chain. You need to get total visibility of problems wherever they arise – predict and prevent them.



Consumer electronics

Ship reliable electronics your customers can trust

Get your products performing and connecting well for their entire lifetime, with every component and every product achieving its full potential.



Computers & servers

Increased reliability of hardworking hardware

Keep up with the pace of innovation and reliable production with complete visibility of the full product lifecycle, so you know components and products will stand the test of time and use.

OptimalPlus suites address the manufacturing challenges

Quality, Reliability & Safety Suite

Continuously improve product quality and reliability by early identification of potential RMA's (customer returns) using our lifecycle analytics.

Productivity Suite

Discover and address manufacturing inefficiencies using product analytics and reduce costs by up to 20%.

Ramp Suite

Shorten product ramp & time-to-market, speed up NPI (New Product Introduction), and accelerate root-cause-analysis without compromising product performance.

Yield Suite

Reclaim lost yield by ensuring your manufacturing processes are performing optimally and consistently, and by addressing root cause for yield loss at inspection and test.



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