



Optimizer+
POWERED BY MAXGRIP

**Real insight and
results in record time**

OPTIMIZE YOUR ASSET PERFORMANCE MANAGEMENT



Optimizer+ enables the creation and implementation of optimized maintenance strategies with a proven ROI of at least 100 percent within a year.”



Client feedback on cost benefits

- 30% CAPEX reduction
- 50% maintenance & inspection cost reduction
- 25% spare parts cost reduction
- 15% increase in asset availability
- 30 to 60% less equipment opened during turnarounds
- 80 to 95% reduction in failure risks



With asset safety and reliability as the starting point, Optimizer+ delivers significant cost savings and efficiency gains at remarkable speed.”

The Optimizer+ software suite brings you the full benefit of the knowledge and experience of all our experts in IT and Asset Management. This unique solution enables you to obtain full insight in your current performance, identify improvement opportunities, and perform analyses and simulations to determine the right strategies and visualise the effects of deployment.

MaxGrip bundles 20 years of improving Asset Performance Management in state-of-the-art software solutions used by companies all over the world. Optimizer+ connects all the dots between your IT and business objectives, delivering tangible results with clear long-term benefits.

OPTIMIZER+ AT A GLANCE

Defining the best way to manage your production assets is a key success factor in achieving your business objectives. Optimizer+ uses smart APM technology to simplify your work and enable you to gain insight and achieve results in significantly less time and with less effort than has ever been possible. Our software enables you to create and analyse the effects of different asset management strategies. You will have clear insight into the consequences, results and benefits related to your asset availability and reliability, HSE compliancy, productivity, and profitability. Asset Performance optimization has never been easier or more efficient.

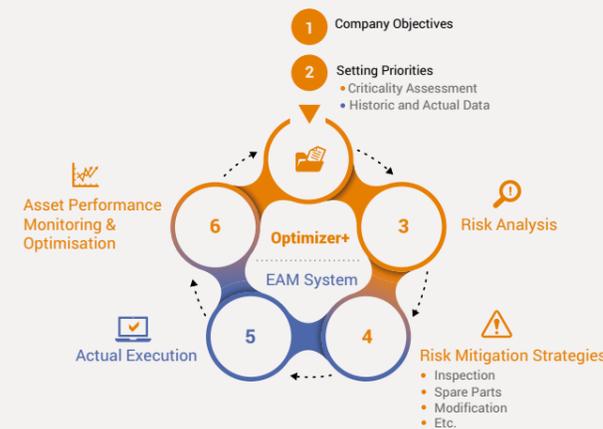
FEATURES AND BENEFITS

Optimizer+ incorporates FMECA/Reliability Centered Maintenance (RCM), Risk Based Inspection (RBI) and Root cause Analysis (RCA) functionalities in combination with intelligent dashboard and reporting functions. Optimizer+ also offers you access to our Asset Libraries (universal equipment types with associated essential data). This supports the rapid buildup and deployment of your asset hierarchies through simple drag and drop menus, as well as efficient inventory management through spare part optimization. The FlexView module facilitates mass data transfers and allows you to easily review and manage all information about your assets.

Optimizer+ interfaces seamlessly with all established EAM systems, including SAP, Infor and Ultimo. Support is facilitated to get the most out of your systems throughout installation, implementation and deployment.

THE VALUE OF ADDING OPTIMIZER+ TO YOUR EAM SYSTEM

You can start improving your asset performance today by adding Optimizer+ to your EAM system. The software generates optimized maintenance and spare parts strategies by looking at the big picture first and then prioritising before getting to the relevant details for each asset.



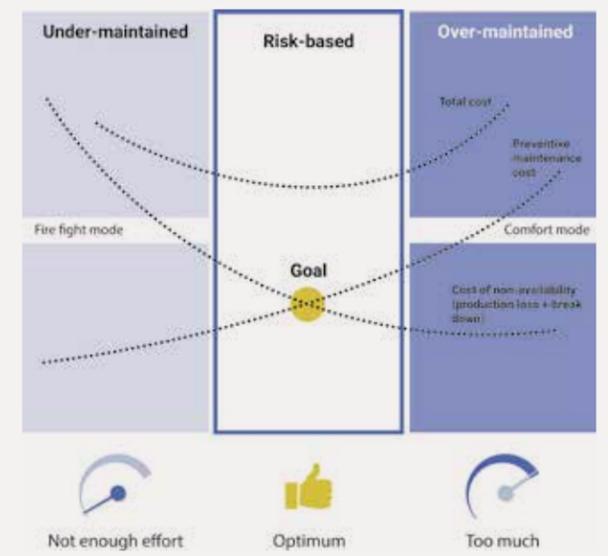
Adding Optimizer+ to your EAM system brings a systematic approach to continuous improvement.

Optimizer+ provides real-time data and can analyse asset behaviour down to component level if necessary to arrive at the optimum APM strategy based on facts and acceptable risks. The statistics can be modified and updated to reflect your own experience and insights.

The interface we developed to connect Optimizer+ to IBM Maximo, Infor EAM, SAP EAM and Ultimo allows for a direct and seamless integration with your daily work procedures, maintenance planning and spare parts management.

- Optimizer+ enables both full and quick RCM studies based on asset criticality. Fast results include 15% uptime increase, 50% inspection cost reduction, and 30% less CAPEX.

- Simulate maintenance strategies to calculate the effects and ROI over the entire asset life cycle. The chosen strategy is automatically translated into tasks, preparations and execution planning.
- The Root Cause Analysis (RCA) module is the most comprehensive available anywhere. You can log incidents and define solutions, secure prevention and typically achieve a 1:30 ROI within a year.
- Optimizer+ comes with industry-specific libraries containing 20 years worth of quality reliability data, speeding up deployment time with up to 90%.
- The Risk Based Inspection (RBI) module is certified by Lloyds Register and delivers a 80 to 95% reduction in downtime, resulting in up to 50% cost savings.



Hitting the sweet spot with optimized maintenance based on acceptable risk.



The journey starts with quality data

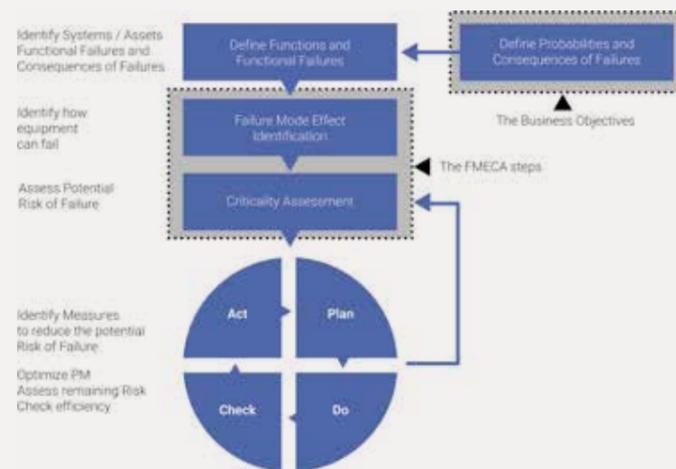
In a globalizing economy with tightening regulation, achieving long-term success requires companies to develop an intimate knowledge of their assets. Long gone are the days when a team of trusted mechanics and operators kept everything running on gut feelings. We are at the dawn of what has been called the Fourth Industrial Revolution. The 'internet of things' will bring full connectivity between systems, devices, equipment and components. A complete line of sight is now within reach, and data is taking center stage.

GETTING YOUR PRIORITIES RIGHT

Optimizer+ represents a big step in the journey to much greater command and usage of the data that determine the strategies to reach your business objectives. Productivity, safety, quality, compliance, and cost efficiency start with knowing the facts and insight into the real state of affairs.

Knowing the criticality of your assets, knowing what deserves priority and what can wait, can be crucial in today's competitive markets.

The Reliability Centered Maintenance (RCM) module in Optimizer+ offers direct insight into the effects of specific failures on reaching business objectives. Such acute awareness of the consequences allows you to make informed and timely decisions about cost savings, based on acceptable risk. Optimizer+ enables rapid criticality analysis with Quick RCM, a first assessment to find the right way forward immediately and prevent wasting resources on what initially seemed important.



The methodic RCM approach that keeps your assets at optimum levels of availability and reliability.

“

The Asset Library is a treasure house of quality data, collected over the course of two decades, that makes the difference in terms of time and accuracy.”

LAYING THE FOUNDATIONS

If high-quality data are the key to successful asset management, you need the means to collect and manage them. Optimizer+ allows you to structure, manage and use asset-related data in the most effective manner imaginable. In a highly structured process, data are laying the foundations for your ideal maintenance strategies. Decision-making is greatly simplified by quickly comparing existing strategies to industry libraries, best practices and the state of your assets.

A unique feature of Optimizer+ has been derived from 20 years of MaxGrip experience: the complete Asset Library of reliability field data collected in your industry. Combined with Quick RCM, this allows you to set up risk analysis and an effective maintenance strategy in record time. Our clients typically earn back their investment within a year, as our asset libraries speed up deployment time by up to 90 percent. Your Asset Library can be extended in width and depth by adding your own field data over time.

MaxGrip Asset libraries ensure rapid deployment by adding 20 years of failure mode data to complete asset data in EAM.



The field data in our Asset Library speed up deployment time by up to 90 percent.



20 years of industry-specific data

The Asset Library contains RCM-based equipment failure data and preventive maintenance (PM) templates for almost 5,000 components commonly found in asset-intensive industries:

- 10,000 failure causes with failure conditions
- 20,000 maintenance tasks (PM templates)
- 20 years and 22,000 man-years of experience



Once set up and running, Optimizer+ allows you to explore all investment, production and maintenance scenarios to determine the best way forward.”

Your maintenance strategy defined and deployed

Systematic Reliability Centered Maintenance analysis leads to development, sharing, and deepening of the knowledge of your assets. Optimizer+ helps define acceptable risks, your maintenance strategy, and the best route to your business objectives. Decisions on capital-intensive replacements can have a high impact on profitability and continuity. Optimizer+ shows when ageing assets become too expensive to maintain, and calculates the impact of different renewal scenarios on CAPEX and OPEX.

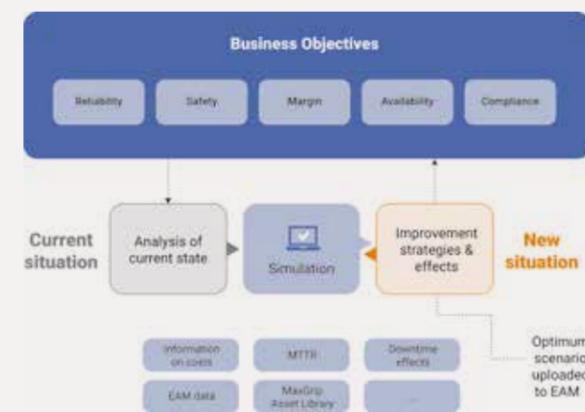
PREDICTING VARIOUS OUTCOMES

With your newly found ability to predict the effects of different maintenance and investment scenarios, you can choose the optimum strategy to cover entire asset life cycles. Asset design and condition, market demand, regulatory compliance

and risk analysis are the basis for maintenance strategies. As all these elements can and will change over time, Optimizer+ enables you to explore multiple scenarios and predict the impact of changes to arrive at the most cost-effective strategy.

SIMULATING TO CALCULATE EFFECTS

The simulation module in Optimizer+ helps you to calculate the ROI and effects of maintenance strategies for this month, next year or anywhere in the asset life cycle. The chosen strategy is automatically translated to tasks, preparations and execution planning, and can be easily operationalised in your EAM system. With the FlexView module, you can easily tailor Optimizer+ to specific needs, for example by fast mass mutations when a change in business objectives warrants a whole new maintenance strategy.

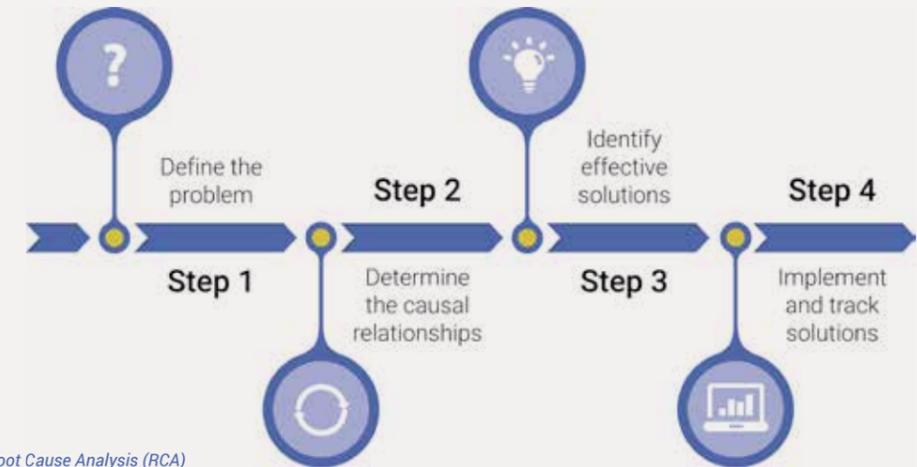


Simulations based on business objectives reveal opportunities for new maintenance strategies and continuous improvement.

LEARNING FROM THE PAST TO PREVENT IN THE FUTURE

MaxGrip's mission is to help foresee and avoid preventable incidents. We are proud of the fact that our Root Cause Analysis module is regarded as the most powerful solution available

today. Frequent failures and safety incidents have a big impact on your operations. Jumping to conclusions and resorting to stopgaps usually means treating symptoms instead of causes. Only when the root causes have been established, and all measures and solutions have been systematically registered and analysed, it will be possible to prevent future incidents.



The basic steps of Root Cause Analysis (RCA)

OPTIMIZING DATA MANAGEMENT AND ROI

Optimizer+ offers unparalleled flexibility and ease of use. You can not only modify large amounts of data in a user-friendly way, but also design your own dashboards and reporting screens with mandatory and optional fields to ensure that only the information that is actually required will be displayed. The extensive configuration options will help your operators to make the most of your system, and to achieve a quick ROI.

COMPLYING AND SAVING WITH RISK BASED INSPECTION (RBI) MODULE

Based on the European EEMUA 159 standards for storage tanks, the Risk Based Inspection module in Optimizer+ enables you to optimize the maintenance and inspection intervals. Combining it with the Reliability Centered Maintenance (RCM) module leads to a unique marriage between RCM and RBI within a single software solution, as referred to in the EEMUA PPM (Probabilistic Preventive Maintenance) guidelines. The Risk Based Inspection module is certified by Lloyd's Register.

Optimizer+ delivers on all counts when it comes to continuous improvement of your Asset Performance Management. All software modules meet the worldwide standards, and the Risk Based Inspection module on its own can realize significant savings by drastically reducing unplanned downtime and HSE failures. Many clients also achieve more than a 30 percent cost reduction on spare parts alone by optimizing their inventory management.



Optimizer+ incorporates global standards and industrial best practices in a software suite built for world-class Asset Performance Management.”



ALL THE SUPPORT YOU NEED TO MAKE THE MOST OF OPTIMIZER+

MaxGrip will take the utmost care to ensure that you get the full range of benefits from Optimizer+. We will not only get the software properly installed and seamlessly integrated with your EAM system, but also work with you to ensure it delivers the best results for your business and operations.

Optimizer+ is available on premise and as a service (SaaS).

MaxGrip also delivers the services you may need to fully integrate Optimizer+ into your business processes and maintenance organisation. With our MaxGrip Academy, we offer highly effective user training, blended learning, and e-learning to guide and support you every step of the way to excellence. With MaxGrip and Optimizer+, you get the job done knowing it could not have been done better.



MaxGrip is determined to produce outstanding results and will do everything in its power to ensure Optimizer+ delivers the maximum ROI attainable for your organisation.”

About MaxGrip

The immediate harmful effects of failing assets may go far beyond production losses, and endanger the safety of people and the environment. Prevention is the better option in all cases.

Optimizer+ is an Asset Performance Management solution complimentary to your EAM system, helping to predict and prevent failures and get the most out of your assets. Optimizer+ supports business objectives such as production optimization, safety, quality and cost control, while dealing effectively with compliance issues and environmental care.

Optimizer+ is powered by MaxGrip, asset performance optimization experts since 1997. We have an exceptional track record in bridging the gap between theory and practice. We live and breathe reliability, using only proven methodologies to help our clients meet their Asset Performance Management goals. The world's largest enterprises already rely on MaxGrip every day.



✉ info@maxgrip.com

🌐 www.maxgrip.com