



Predictive Modeling

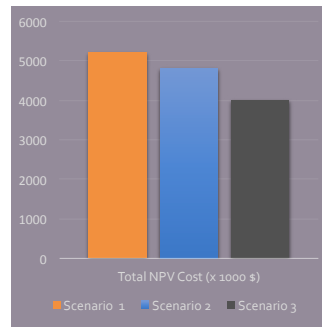
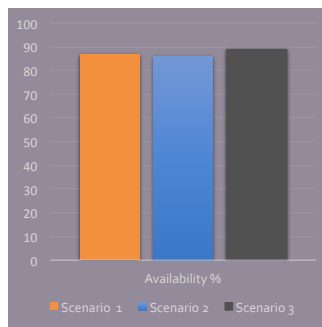
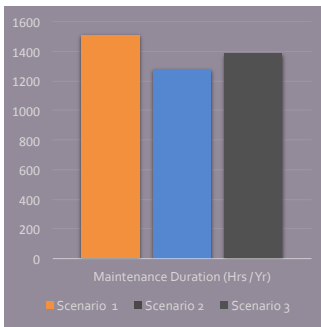
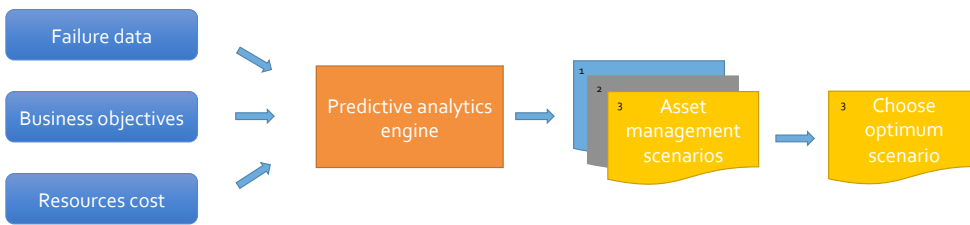
SIMULATION AND OPTIMIZATION MODULE

Insight into the total cost of asset ownership is one of the keys to corporate success. However, in most organizations, this total cost is never made clearly visible due to difficulties in the process of quantification and analysis. The Predictive Modeling module for strEAM+ allows the soundest of decision-making by confidently predicting the consequences of asset-related actions.

Substantial progress is being made in the field of data mining, but the analytical efforts of asset owners are often focused on solving a particular problem, rather than overall business performance improvement. Successful companies have adopted optimization practices built on real-time information and predictive analysis. strEAM+ for IBM Maximo is a fully embedded software solution specifically developed by MaxGrip to get a firm grip on Asset Performance Management. The strEAM+ Predictive Modeling module allows you to determine the best strategy for maintenance, inspection or redesign activities.

FUTURE SCENARIOS

Traditional EAM systems work with historical data. strEAM+ Predictive Modeling lets you simulate and predict the future. This module tells you what the current maintenance strategy will yield in terms of availability, costs and risk. It does the same for alternative



Predictive Modeling process and results

maintenance strategies, opening up the possibility of exploring future business scenarios. If demand and production levels were to go up, what would that mean for the reliability and availability of specific assets? How much would we be able to save by introducing new technology?

advantage of the new insights and possibilities, such as activity clustering and improvements based on effective measures, ultimately results in the ideal maintenance strategy for your assets and business objectives.

OPTIMIZE YOUR FUTURE OPERATIONS WITH STREAM+ PREDICTIVE MODELING:

- Advanced quantitative strategy modeling and simulation for assets, systems and units
- Define and populate MTTF and /or MTTR distributions based on existing and projected reliability
- Cost modeling for planned and unplanned (failure) corrections
- Balance future availability, reliability and costs while managing risks

CALCULATING FOR EXCELLENCE

strEAM+ Predictive Modeling enables your organization to identify the best Asset Performance Management policies by simulating failure models and asset strategies for the calculation of different scenarios. For critical assets, failure risks are excluded or reduced to acceptable levels. By calculating the effects of multiple alternatives, maintenance scenarios can be fully compared, providing the knowledge for well-founded and data-driven decisions.

The freedom to model different strategies allows accurate projections for all kinds of what-if scenarios, from predictive and condition-based maintenance to run to failure. You can project the impact of preventive maintenance, inspection, and design changes. You can model the necessary resources for planned and unplanned corrections, either by fixed cost or variable cost, and also apply the module for Life Cycle Costing.

Predictive modeling creates a deeper understanding of complex challenges. You will know everything about the expected costs, availability and residual risk of every alternative option. Taking full



Powered by MaxGrip

strEAM+ is a solution of MaxGrip, the world's front-runner in Asset Performance Management. Directly embedded into your EAM system, strEAM+ ensures easy adoption, operational focus on reliability, data integrity and real-time insight into asset performance. strEAM+ is the best integrated software solution available today to efficiently balance risks and costs against your business objectives.

MaxGrip is innovative and ambitious. It is our mission to make the world a safer place. We believe that all asset-related incidents can be prevented. By analyzing risks and optimizing maintenance, we enable our clients to focus on their core business and make continuous improvement a way of life.

MaxGrip has an exceptional track record in bridging the gap between theory and practice. We live and breathe reliability, using only proven methodologies to help clients everywhere to meet their Asset Performance Management objectives. The world's largest enterprises already rely on MaxGrip every day.