



# Optimizer+

POWERED BY MAXGRIP

# Balance safety and availability with Optimizer+ in the Oil & Gas market

## MARKET OUTLOOK

Global demand for energy will increase for many years to come, due to population growth and the economic rise of developing countries. By 2035, demand is expected to be one-third higher than today, and 75 percent of it is likely to be met by fossil fuel sources.

Although the industry has every reason to be confident, it also faces considerable challenges. Both upstream and downstream, rising costs, increasing regulatory pressure, and a shortage of skilled employees are tightening the screws. These concerns increase the need for better returns on investments while adding to the complexity of oil and gas industry projects.

Safety will remain a major concern, not only in exploration and production, but also in refining, storage

and distribution. Finding the right balance between safety and availability is of crucial importance to liquid storage companies looking for ways to improve tank terminal efficiency and profitability.

## BUSINESS CHALLENGES

### Integrity & Compliance

In the wake of serious incidents and accidents, governmental authorities have been fortifying regulations for the oil and gas industry. Especially for international operators, the constantly evolving legal landscape presents real challenges. Oil & Gas companies have to adapt their processes in an environment of continuous change and uncertainty, conforming to new standards on an ongoing basis.

Please visit [www.optimizerplus.com](http://www.optimizerplus.com) for more info or contact us directly at [info@optimizerplus.com](mailto:info@optimizerplus.com)

## Reliability

Under the present market and legal conditions, the necessary flexibility is proving to be elusive for many companies. More often than not, process and maintenance documentation is outdated or incomplete, producing a lack of visibility when it comes to operational improvements. In view of the legitimate emphasis on safety, accountability, and demonstrable reliability, this poses a huge risk at potentially high costs.

## Cost optimization

Keeping a tighter rein on capital and operational expenditure is an industry-wide priority. However, in times of economic recession, combining cost reductions with the demands of HSE and asset integrity has become a precarious balancing act. While the ideal objective is cost optimization without any compromise, lowering costs without lowering standards in terms of quality and customer service is an ongoing challenge. Remaining fully operational in a sustainable, competitive and compliant manner requires smart investments in the short, middle and long term.

## Knowledge retention

Across the industry a large part of the workforce is going to retire within the next ten to fifteen years. A great deal of knowledge and experience will thus disappear, leaving the companies with the challenge to fill the widening gap. Combined with the already existing deficit of skilled professionals, an exclusive focus on the next generation is unlikely to solve the problem. Companies need to prepare by effectively capturing the knowledge from the best people in the house and finding the right partners to build that knowledge into automated, preferably web-based protocols and process descriptions, readily available for and applicable by everyone in the organization.

## THE SOLUTIONS OF OPTIMIZER+

Optimizer+ offers operators in the oil and gas industry a revolutionary way to put risk-based maintenance at the heart of business management. The software allows you to create, manage, and optimize maintenance concepts geared towards the simultaneous achievement of business objectives in terms of HSE, reliability, availability, accountability, performance, quality and cost control.

### A head start with quality data

Optimizer+ comes with a library of collected reliability field data of oil & gas industry assets, helping you to quickly set up risk analysis. Combined with the quick RCM module in Optimizer+, which analyzes the reliability of your most critical assets, this allows companies to create a functional and effective maintenance concept in record time. Our clients typically earn back their investment within a year. The library can be extended by adding your own organization's field data over time. This will contribute to a broad application of best practices and to full insight into the state of your assets, as systematic RCM analysis leads to the effective development, sharing and deepening of knowledge.

### Safeguard technical integrity by mitigating risk

Improved asset performance is usually an important result of the establishment of safe minimum maintenance levels and smart adaptations to operating procedures and strategies. Successful implementation of RCM will lead to increases in technical integrity, cost-effectiveness, equipment uptime, and a greater understanding of the level of risk your organization



is managing. For multinational operators, the standardization of maintenance programs and their full integration into EAM systems is indispensable for cost-effective risk mitigation.

### Measure up to EEMUA 159

Especially for tank farms the RBI module in Optimizer+ enables you to optimize the maintenance intervals and inspection dates of storage tanks, including their peripheral equipment. Based on the European EEMUA 159 standards and also usable in a stand-alone environment, this module alone can generate substantial savings. Combining it with the FMECA 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. This module is certified by Lloyd's Register.

### Maintenance as a philosophy

Optimizer+ is structured in such a way that it helps you not only to execute your Asset Management strategy, but also shape your Asset Management planning. The numerous analyses can be captured in quality reports that fit your information needs, while the simulation module helps in making the right decisions. Optimizer+ is the ultimate tool for aligning the asset management strategy for each individual asset with your overall corporate goals and targets.

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.