SUSTAINABLE PERFORMANCE IMPROVEMENT

STORK ASSET MANAGEMENT TECHNOLOGY

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Management in the industrial sector faces a multitude of challenges. They must deliver excellent safety, health and environmental performance and improve production capacity. At the same time, they must operate profitably in the short and long term. We're all searching for fundamental, future-proof answers. Answers that help us explore the maximum value of our assets. Answers that bring lasting solutions for current – and future – generations.

To develop the essential long-term vision and strategy, issues like stakeholder management, control, risk and compliance play a crucial role. This is precisely how Stork helps asset-intensive companies: we connect tangible asset management and performance solutions with a strategic vision for sustainable improvements. Of course, we also have the field proven capacity and expertise to realize that vision.

How can we improve an asset’s current performance? How can we ensure cost optimization? What can we do to prevent the wasting of energy and raw materials, now and in the future? What requirements will clients and regulators impose on production, safety, sustainability and compliance? In short: how can we work together to create sustainable solutions for asset owners?

The asset management specialists at Stork are uniquely qualified to provide the answers. We define sustainability as the ability to connect field proven solutions to future-proof value creation.

We continuously challenge our clients to do the same.
GOALS AND BUSINESS DRIVERS

BUSINESS CONTINUITY
Asset management contributes to organizational objectives regarding safety, health and environment, in accordance with laws and regulations. The integrity of assets, and asset management as a process, must be guaranteed. This mitigates reputational risk and protects the continuity of operations.

DELIVERY
The reliable performance of assets enables the generation of products and/or services. Meeting the quality, quantity and planning requirements of these products/services will lead to client delivery and satisfaction.

PROFITABILITY
Expenditures are key factors in the realization of asset management goals. Achieving asset management goals within an optimal expenditures structure – now and in the future – directly contributes to your organization’s profitability.

OPERATIONAL EXCELLENCE
Effective asset management is all about optimization. That also means the minimization of losses, of both the processed and the processing materials (raw materials and energy, assets and labor). Operational excellence includes managing the input and the output, as well as the transformation process.

SUSTAINABILITY
Assets should be managed throughout their entire lifecycle, from the development of the first concept to their final recycling or destruction. Focusing only on current asset objectives is simply not enough. Terms should be established so that assets continue to meet all requirements throughout their entire lifecycle, thereby contributing to your organization’s sustainability.

BUILD THE FUTURE
Assets and asset management must be continuously improved. An asset management organization with the skills to continuously innovate and improve will contribute to a successful future for your organization.

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IN-LINE STRATEGY
Your organization’s performance depends on the integrity and reliability of your assets, your asset management system and, last but not least, your people. Anchoring quality and capacity in a long-term asset management plan safeguards your organizational strategy. Of course, to determine your asset management strategy, deep insight into your actual and future performance is essential. Only then is it possible to make the right decisions about investments, usage, maintenance, modification and replacement of your assets. And the right decisions about development of your asset management systems and people.

KNOW-HOW
Our asset management consultants have in-depth practical and theoretical knowledge and industry-specific experience to help you develop and implement an asset management strategy. Next to our own IAM certified asset management model the ISO 55000 series, to which development we contributed significantly, can be a strong guideline here. As part of the global Stork organization, we are involved in asset management-related business issues every day. We are prepared to effectively connect theory and practice in every situation we encounter.

Achieving standardization and cost reduction through the design and implementation of best practices in Asset Management at various production facilities worldwide.
IMPROVEMENT STARTS WITH MEASUREMENT

PREVENTING AND ELIMINATING DISRUPTIONS
Your clients expect flawless delivery. Your stakeholders demand trouble-free production or services from your assets. You dream of an operation without disruptions, with integral connectivity and ‘black cockpit’ functionality. Stork’s Asset Performance Management is the answer. We use methods like Reliability Centred Maintenance, Risk-Based Inspections and Safety Integrity Levels to help anticipate disruptions and assure the reliability, availability and integrity of your assets. We bring you optimal control using asset strategies based on risk management. We use data integration, prognostic analyses, process trend development and ERP systems to ensure that risks, performance and costs are managed effectively.

PERFORMANCE CONTROL
We aim for a future-proof, prognostic, data-driven performance management system that sends you real-time status and control information. That requires practical experience and in-depth knowledge of systems like Meridium APM, SAP and Maximo. We have the knowledge and experience to develop and implement the right asset performance management system for your needs. Our proven approach, based on industry-wide best practices, ensures that we’ll achieve your desired result.

Execution of an asset criticality assessment and facilitation of failure mode effect analyses (FMEA) and reliability centred maintenance (RCM) studies.
> ASSET PERFORMANCE IMPROVEMENT
HANDING OVER FIELD EXPERIENCE

FOCUS BRINGS CONTROL
Safeguarding your process delivery is the key to the continued success of your company. Your organization needs to be in perfect shape, in order to realize the required levels of asset reliability, availability and integrity at an optimal cost level. Your company must be “in control” at all times. To ensure safe operations, your organization needs to be reliable, and perform maintenance management best practices efficiently and effectively. Application of transparent, demonstrable and proven work and decision-making processes is crucial to the management of all risks related to asset maintenance.

STORK PERFORMANCE MAINTENANCE
Stork Performance Maintenance’s core activity is the management and maintenance of machinery, installations and production facilities. Involving Stork as a partner in – or allowing us to take over – the arrangement, management and implementation of your assets helps you take full advantage of our knowledge and experience. We will maintain your installations using our continuous improvement approach, our industry-wide expertise and our up-to-the-minute knowledge. Our performance agreements guarantee a production system that best suits your needs. All with minimal risk, at an attractive, predictable and manageable cost.

Joint development (DSM & Stork) of a key supplier management method complete with value tracking tool. Implementation of Stork Performance Maintenance contracts at several DSM sites.
APPLYING RULES FOR BUSINESS CONTINUITY

COMPLIANCE COMPLEXITY
In our present society, risk acceptance levels are decreasing while detectability of meeting requirements is increasing. As a result, the demand for the appropriate management of your assets and work processes is increasing. Transparency, consistency and traceability are becoming more and more important. So, an increasingly complex system of reporting requirements and control mechanisms naturally follows. Efficiently managing these mechanisms requires system-oriented supervision. Regulatory bodies, controlled by committees of experts, determine the constraints for best practices. They produce packets of standard legal management and maintenance benchmarks, whereupon organisations can measure themselves. By nature of its required demonstrability, appropriate compliance management impacts the way an organisation manages its asset performance and condition in the short and long term. Adequate compliance management does not only lead to “being in control”, but also increases reliability and integrity.

THE ABCS OF COMPLIANCE
In order to assess the achievement of the requirements properly, Stork’s distinguishing approach – the Compliance ABCs – focuses on three separate areas; namely, the assessment of design compliance, maintenance compliance and management compliance. For existing requirements, we establish whether each requirement is secured along the A, B or C line. This explicit distinction in focus areas allows you to manage all associated activities effectively and efficiently. It is also consistent with the norms for compliance management (ISO 19600).

Reliability improvement and integrity management within different locations and business units on a global scale.
LEAN IN MAINTENANCE
Creating value for the client, avoiding waste and engaging the staff: that’s what LEAN is all about. With Stork LEAN in Maintenance (SLiM), your maintenance costs are reduced without hampering reliability and integrity. Every optimization contributes to this development, and leads to maintenance-and production processes that are free from waste.

SYSTEMATIC IMPROVEMENTS
SLiM adds value to your production operation by improving the efficiency of your maintenance process. Together with your people, we perform process improvements. Maintenance is only carried out when it is needed: safely and efficiently. First time right without rework. Your people experience a higher level of professionalism and commitment.

PROVEN RESULTS
With the Stork approach, our experts can streamline your maintenance processes, eliminate waste and reduce costs. Stork has the knowledge, global experience, resources and methods to ensure that you succeed in your improvement objectives. Our results prove that your investment will pay for itself in a measurable way. SLiM achieves sustainable improvements in your asset performance.

Operational cost reduction by improvement of hand-on-tool-time (HoTT) at mechanical, electrical and instrumentation departments at Dutch Geleen site.