



Maintenance Concept Management

## Maintwise – Maintain to fly

With Maintwise, Lufthansa Technik offers aircraft operators the development of a customer-specific and holistic maintenance concept. At the intersection of planning, engineering and flight operation, Maintwise focuses on synchronizing maintenance requirements, flight schedule and customer targets to find the optimum maintenance concept. The result of Lufthansa Technik's consulting service enables the operator to maximize aircraft availability or minimize maintenance costs.



In today's market, every airline faces a trade-off between conflicting targets. In order to be able to make sound strategic decisions, reaching the most effective mix of target dimensions like aircraft availability, cost, stability, flexibility and technical quality is essential. Achieving this balance requires mastering a high level of complexity. Multiple parameters and extensive amounts of data need to be considered. Knowledge spread across different departments needs to be consolidated and analyzed. In this environment of conflicting targets and high complexity, Maintwise supports customers to find the best suitable maintenance concept for their operation.

### Customer advantages

- Increased aircraft availability
- Lower maintenance costs
- Improved stability (planning and operations)
- Increased flexibility (planning and operations)
- Improved technical quality

### Maintwise

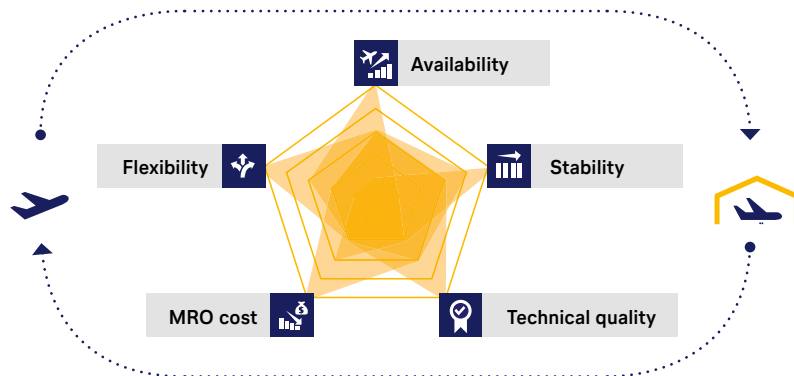
Lufthansa Technik's Maintwise consulting service assesses the customer's situation by identifying customer concerns and collecting relevant information concerning the maintenance concept. In a second step, maintenance concept engineers define which optimization criteria match the customer's targets and restrictions. Different concepts are simulated and evaluated, taking ground time requirements, feasibility of implementation, required man hours as well as the risk of operational disruptions and other criteria into account. Based on the analysis results, Lufthansa Technik proposes possible maintenance concept scenarios and compares their economic benefits. In the end, the customer can choose the most financially beneficial and suitable concept for implementation.

### Maintenance concept

A maintenance concept is an optimized bundling of all Aircraft Maintenance Program tasks to ensure the most suitable solution considering available ground time, customer targets and framework conditions.

### Finding the optimum

Maintwise is the development of a customer-specific and holistic maintenance concept which harmonizes the flight schedule and the maintenance program.





## Benefits of an optimized maintenance concept

After implementing the new maintenance concept, customers have been able to realize benefits such as:

- Additional daily flights achieved by utilizing natural gaps in the flight schedule for maintenance
- Less C-checks in the flight schedule for maintenance, achieved by transferring tasks from base to line maintenance and thus increasing the C-check interval
- Improved flexibility for fleet management by standardizing maintenance packages across the maintenance network
- And more ...

## Lufthansa Technik – your partner for Maintwise

Lufthansa Technik's dedicated team of maintenance concept engineers has a profound understanding of airline and MRO processes. True to the product's slogan "Maintain to fly", the goal of Maintwise is to optimize maintenance concepts so that the customer can get the most out of his operation. Maintwise tools and methods help process large amounts of data and information from the customer's assets to find feasible maintenance concepts for the customer. Experience with previous projects has shown the value of Maintwise. With proven concepts tailored to customer-specific needs, Maintwise by Lufthansa Technik generates the optimum maintenance solution.

## For every fleet size and maintenance requirement

Maintwise is available for every airline, fleet size and maintenance work scope. Our approach includes a close collaboration with the customer's own experts during the project. With a project duration of three to four weeks customers can benefit from Maintwise in a minimum amount of time.

For more information, project examples or questions please contact the Maintenance Concept Management team at Lufthansa Technik.

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