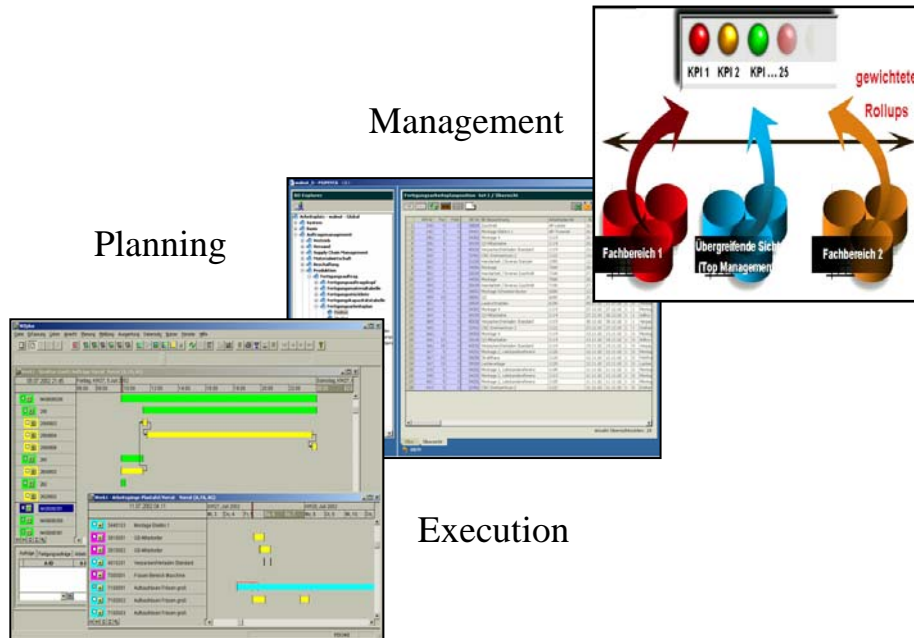


# PSIairport/M&S Maintenance & Services



Lowering costs, revealing weak points, maximizing availability. These requirements apply nowadays within all ranges of the economy. In particular in the branches of industry, which are dependent on the efficiency of machines and equipment, substantial potential of savings can be opened by purposeful and planned maintenance.

At airports a large number of such equipment are necessary for the daily enterprise. Baggage transportation and sorting equipment, check in equipment, apron equipment. The failure of such equipment or machines leads often directly to reduction of the quality. This reflects itself e.g. in delays of baggage items, which are not transported with the corresponding flight.

Through the installation of more integrated maintenance systems many of such problems can be avoided for example by early recognition of the problem. A substantial goal using such an integrated system is the optimization of maintenance costs in relation to the (unplanned) maintenance expenditure. Unplanned repair work entails nearly always the temporarily loss of the component concerned. As a function of the time and the duration of this unplanned maintenance serious consequences at quality and expense are inevitable. The substantial requirements at efficient maintenance cover therefore the following points:

- Maximization of the equipment availability
- Avoidance of disturbances

- Disclosure of weak points
- Minimization of the maintenance cost
- Constancy in planning and control

**The solution:**

The optimization of the points specified above is a task, which concerns typically three levels of a company:

- The management level
- The planning level
- The operational level

PSIairport/M&S, Maintenance and Services, is a software system, which provides the necessary information and lead to the optimization to all these three levels. The management level is supplied with summarized information (KPI, key performance indicators). On the basis of these information e.g. long-term decisions can be made. For short and medium-term planning many aids are available for the planning level. The operational level is supported by direct binding to the results of planning through e.g. MDE/BDE. Due to the constant integration of all levels each responsible person has the information about the current situation in the overview at each time. And this on-line over all these levels.

**The functions in detail:**

The following substantial functions are made available by PSIairport/M&S:

- Mechanism of central key performance indicators (KPI)
- Controlling and cost calculation
- Order - and budget pursuit

- Personnel operational planning
- Spare part administration and stock management
- Property management
- Operational fund administration
- Material disposition and purchase
- Simulation of results of planning
- Project management
- Commissioning and start-up organization
- Technical binding of operational aids such as MDE/BDE

By the structure and the functions of PSIairport/M&S, prepared and supervised maintenance can be organized optimally and constantly. Exactly the same as for unprepared maintenance. By comprehensive history and archiving data weak points can easily be found and repaired.

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