

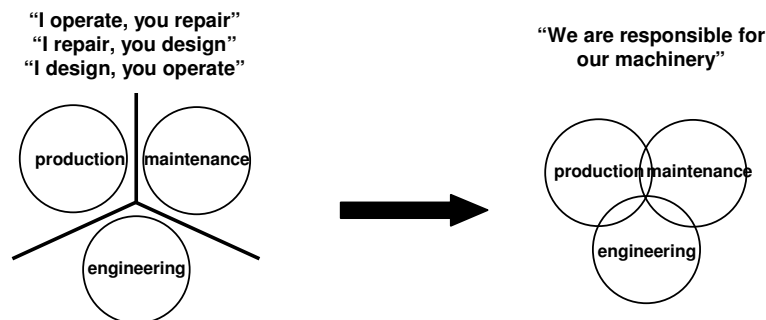
Maintenance management

Production: “If there is a fault, you can never find a mechanic!”
Technical department: “The production department always messes things up and we never get the time to carry out preventive maintenance.”

The ultimate objective of maintenance management is a maintenance-free process: machinery that never breaks down and a minimum of preventive maintenance. In reality, comments like the ones above are often heard. It is often unclear how to escape from this impasse. In this type of situation maintenance management can provide a way forward.

Shared responsibility

Machinery in good condition is an important precondition for a fault-free production process. The essence of our approach is that a group of employees, consisting of operators and mechanics has shared responsibility for the production process and therefore also for the condition of the machinery. This team must learn how faults can be prevented and how machine maintenance can be improved. The focus of our approach is the far-reaching integration of maintenance tasks in the team and the optimum support of the team by the technical department.



How do we tackle it?

The implementation of Maintenance management consists of following two programmes:

1. Autonomous maintenance
2. Planned maintenance

Prior to starting the autonomous and the planned maintenance programmes, we first explore the **existing maintenance process**. Questions that must be answered here are: what is the performance of the machine, how is maintenance organised, what registration systems are in use, etc. Jointly an improvement plan is drawn up, in which the positive elements are strengthened and the points that required improvement are addressed.

The objective of the **autonomous maintenance programme** is to teach the team to carry out the routine maintenance, to identify defects at an early stage and to take effective measures to deal with them.

The autonomous maintenance programme starts with a Total Clean Out. Hidden defects will be detected when the team members clean the machine. The team will then learn how to correct these defects and how this can be planned and communicated. The machine will now be back in its best possible condition. This will give the team time (because of fewer faults!) to think about how these defects can be prevented, by for instance introducing preventive maintenance. Jointly drawing up cleaning, lubrication and inspection standards results in the preventive maintenance plan. The last phase is training the operators to carry out the maintenance. This training is given by the team mechanic.

The objective of the **planned maintenance programme** is to teach the technical department how to create and provide training for autonomous maintenance tasks, carry out specialist maintenance tasks and improve maintenance based on relevant maintenance data. An important principle here is that improvement is made on the basis of facts. Therefore, determining performance indicators for the maintenance process and setting up a maintenance information system are standard activities. Other activities within the context of planned maintenance are aimed at establishing the preventive maintenance plan for specialist tasks and at learning to employ "advanced" techniques to better predict the condition of the machine.

Results of Maintenance management

The implementation of Maintenance management leads to:

- fewer machine faults
- fewer stop as a result of preventive maintenance
- ownership based on knowledge and skills

The role of Blom Consultancy

- Carrying out a quick scan of the existing maintenance process
- Coaching the integration of maintenance tasks in production teams (autonomous maintenance programme)
- Coaching the technical department in its supporting role (planned maintenance programme)
- Training and supervision of the "Fault Detection" method

More information?

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