

All you need to know about CMMS: definition, benefits and features

TABLE OF CONTENT

- What is a CMMS?
- Discover the 4 main reasons for adopting CMMS software
- [The CMMS, the cornerstone of maintenance 4.0](#)
- Exploring the features of CMMS software
- Guide to choosing a CMMS

What is a CMMS?

CMMS (Computerized Maintenance Management System) is a software solution that helps organizations plan, monitor, and optimize their maintenance operations. It enables companies to:

- Reduce equipment failures and unplanned downtime,
- Extend asset lifespan,
- Improve management of maintenance tasks and teams,
- Make better decisions through data analysis.



A CMMS is relevant to all sectors including manufacturing, healthcare, energy, construction, and services.

therefore increased machine performance.

Key takeaways

- A CMMS is software used to manage maintenance operations, including planning, tracking work orders, and overseeing assets and equipment.
- It helps reduce breakdowns and maintenance costs while extending the lifespan of machines and facilities.
- It improves productivity by increasing equipment availability and providing real-time visibility through dashboards.
- It supports the management of teams, inventory, and data, and aligns with the principles of Maintenance 4.0 (digitalisation, cloud-based solutions, IoT, and AI).

Explore CMMS and its features in just 2 minutes



Initially dedicated to industry from the 1970s to 1990s, the CMMS has continued to evolve ever since. The emergence of SaaS solutions has brought flexibility to assisted maintenance tools, enabling the CMMS to be deployed on all types of infrastructure and in a wide variety of sectors.

In addition to maintenance operations, the CMMS now covers a wide range of peripheral tasks. Its ability to harness data means that it can be used to produce fine-tuned analyses to boost productivity.

Discover the 4 main reasons for adopting CMMS software

CMMS benefit no. 1: reduced maintenance costs

A CMMS provides a very useful overview of the allocation of human and material resources.

Storage costs, labour costs, anticipation of maintenance operations and spare parts purchases: well-informed about its future expenditure, the company can anticipate, group its purchases and reduce its costs.

This significantly reduces the cost of maintenance.



CMMS benefit no. 2: Extending the life cycle of expensive assets

The lifespan of assets is extended by 50% with the use of an assisted maintenance solution.

CMMS benefit no. 3: Productivity gains

Once maintenance has been made reliable by the CMMS, production interruptions and machine downtime are kept to a minimum.

Dashboards provide a real-time view of availability, making it possible to maintain more continuous operation, with a direct impact on productivity.

CMMS benefit no. 4: Better human resources management

The CMMS makes it easier to allocate tasks to operators. This distribution is based on the availability of human resources, as well as its ability to carry out each type of maintenance. The overview makes it easy to quickly understand who can intervene where, and thus optimize each professional's time.

Over and above the financial and operational benefits, the CMMS offers many advantages for an organization. The solution ensures safety for field operatives and helps bring equipment into compliance in the most regulated sectors.

Able to analyze and support decision-making, the maintenance solution is a real guarantee of professionalism for any company operating machinery.

The CMMS, the cornerstone of maintenance 4.0



connected form of maintenance should enable ever more precise – and fully automated – monitoring of assets. And it comes with better-anticipated work and an end to corrective maintenance, which is a source of cost and hinders agility.

Maintenance 4.0 cannot be implemented without digitalizing the maintenance function. The CMMS then takes its place at the centre of the organization, transmitting valuable information to all the business lines. The software provides a better understanding of your assets and enables data to be analysed using AI and used across the board by circulating it throughout the IS.

The CMMS 4.0 is therefore positioned as both an important decision-making tool and provides real support in the field, where it contributes to the mobility and efficiency of operations. Once the data has been collected, it is naturally escalated to the key maintenance stakeholders.



Exploring the features of CMMS software

Today's CMMS solutions can cover a wide range of functions. These most often include:

location, the date of purchase and maintenance history, as well as the technical documentation.

- **Work management:**

This is one of the core functions of the CMMS. The tool makes it possible to plan work, whatever its type ([preventive maintenance](#), curative, corrective maintenance, etc.) and to understand its cost.

- **Parts purchasing and stock management:**

Stocks are essential for the performance of work. The CMMS tracks the entry and issuance of parts, manages relations with suppliers, and receives suggestions and alerts for future purchases.

- **Managing staff and the schedule:**

The CMMS provides a comprehensive overview of team availability and allows tasks to be assigned according to each person's remit and history. This management can be extended to external service providers and subcontractors.

- **Analysis and reporting:**

Analysis plays a key role in maintenance and decision-making. The CMMS provides many KPIs for machine availability, costs and downtime. Information can easily be shared between departments to speed up maintenance operations.

Together, these features help to improve your knowledge of your assets and infrastructure and to define work plans specific to your organization. Thanks to the features of the CMMS, the goals of autonomy and quality mentioned above can be achieved.



Guide to choosing a CMMS

Criteria to consider carefully

- Functional scope: the software chosen will have to be adapted to the type of facility and the company's sector. It is advisable to study the solutions (generic or sector-specific) to ensure that the CMMS solution will meet your needs.
- Mobility: maintenance is a field task. The information provided by the maintenance software must be able to be consulted and enhanced from any site.
- Connectivity: the CMMS may need to communicate with a number of business tools (MES, ERP, IoT, etc.). The existence of native or additional connectors must be checked in advance
- Collaboration: the sharing of information (technical documentation, stock updates, etc.) between the various maintenance staff must be intuitive and in real time. The collaborative aspect, as well as the availability of the application, are essential criteria.

When drawing up the specifications, the need for additional functionality will also be considered. Companies' needs often go beyond maintenance alone. Advanced inventory management and predictive analysis are just some of the tools that can be very important in driving your business forward.



Presentation of DimoMaint CMMS software

DimoMaint has designed a range of new-generation Cloud and On-premise maintenance software to meet all your requirements in terms of ease of use, mobility, provision of an appropriate and scalable functional scope, ease of deployment, interoperability with your current information system and data security.

DimoMaint CMMS solutions simplify and secure the day-to-day work of maintenance teams. They are interoperable and facilitate communications within and between departments.

Whether it is dedicated solely to planning or becomes a support tool for decision-making, a CMMS is a major asset for organizations. Its use, which is fast becoming essential, guarantees complete knowledge of your assets and better optimization of what already exists. These are essential conditions for improving performance over the long term! Because anticipating your maintenance needs means you can adapt to future changes with greater peace of mind.

Ready to optimize your maintenance management?

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FAQs

1. What are the main benefits of using CMMS in an [industrial company](#)?

The use of CMMS optimizes maintenance operations by facilitating task planning, spare parts stock management and breakdown prevention. This results in improved productivity, reduced maintenance costs and longer asset life.

2. What are the essential features to look for in CMMS software?

Good CMMS software should offer maintenance planning and monitoring, stock management, asset management, reporting and analysis functions. For example, it should make it possible to track the history of work on an asset to anticipate breakdowns.



3. How does our CMMS software stand out from others on the market?

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