Grash is a CMMS.

A CMMS is a software package that manages a computer database information on the maintenance operations of an organization. Those information is intended to help maintainers do their job more efficiently (for example, determining which machines require a maintenance and which stores contain the spare parts they have needed) and to help management make informed decisions (for example, calculate the cost of repairing a machine breakdown versus maintenance preventative for each machine, possibly leading to a better allocation of resources).

CMMS data can also be used to verify compliance regulatory. To correctly control the maintenance of an installation, information is needed to analyze what is happening. Manually, this takes a lot of effort and time. A CMMS also makes it possible to hold records, track completed and assigned tasks in a timely manner, and profitable way.

Advantages

1) Backlog

List of tasks to do or interventions. A CMMS balances resources and maintenance costs so that the backlog does not become uncontrollable. Software captures small patches that would otherwise pass unnoticed and allows **planning, assigning and prioritizing tasks maintenance** so that no work falls through the cracks.

2) Increase the life of equipment

It is not always possible to replace an entire piece of equipment. It is why maintenance is important. With sensors it is possible

to have the health of the machine in real time, detect failures before

they do not happen, and plan interventions.

We will implement this feature later

3) Automatic task creation, periodically or when a sensor on a

machine exceeds a threshold. Before implementing this feature

with sensors we have **Preventive maintenance and counters**

4) Accelerate repairs with automatic task creation. Of the

notifications will be sent to the technicians and the latter will be able to see a **list**

tasks to do

5) When making interventions, technicians use parts called

Go. By having **an inventory,** they will definitely be able to know if they

will be in lack of parts **and make purchase orders beforehand.**

Automatic commands should be implemented in the future.

Even artificial intelligence could be used to predict which coins to

to buy

6) Costs

Different costs are linked to the interventions. We have the parts costs that

are provided by Vendors in the application. But also the costs related to

internal or external workers to the company who can be paid by the hour or a

fixed price. The external workers are the customers. We also have other

price, which can be added in **additional Time** with a **category. Reports _**

will be generated showing the total costs.

7) Energy

Reactive maintenance requires a lot of energy. and **maintenance**

preventives are a solution to this problem

8) Maintenance Requests

Service technicians are used to receiving requests via

telephone, or word of mouth. These methods are over. It will be possible to

fill out a configurable form via the internet **to make a request**

9) Standardization

A CMMS provides you with **Checklists, a workflow and reports customizable.** In addition, everyone in the company will have access to the same information. Without this centralized source of information, there will be a slowdown In work. You can attach **manuals, pictures, reports and any another file** to company resources.

10) Data

The data can be used to measure the performance of any each, and of all equipment

11) Reports

Reports will be generated on everything. The time, costs, tasks, equipment, parts, users and requests.

12) Task view

Being able to track the progress of work orders is crucial to limiting delays, create effective schedules, plan production and establish budgets. If the right people don't have visibility into work orders, it leads to more downtime, higher costs and decision making misinformed.

 The software provides real-time updates of work orders, such as the priority status, who is assigned to it and how long it takes, so that we can allocate additional resources if necessary. We will also have to Notify production staff when assets are back online, so that they can get back to work without delay.

13) Equipment history

Here are the industries that can use Grash:

- Manufacturing
- Ports
- Federal, state and local governments
- Property management and HOA
- Hotels and resorts
- Power plants

- Oil, gas and mining

- Hospitals and Clinics

- Amusement parks

- Sports stadiums and arenas