



C-GMAO

**SOFTWARE FOR
COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM**

MASTER YOUR MAINTENANCE



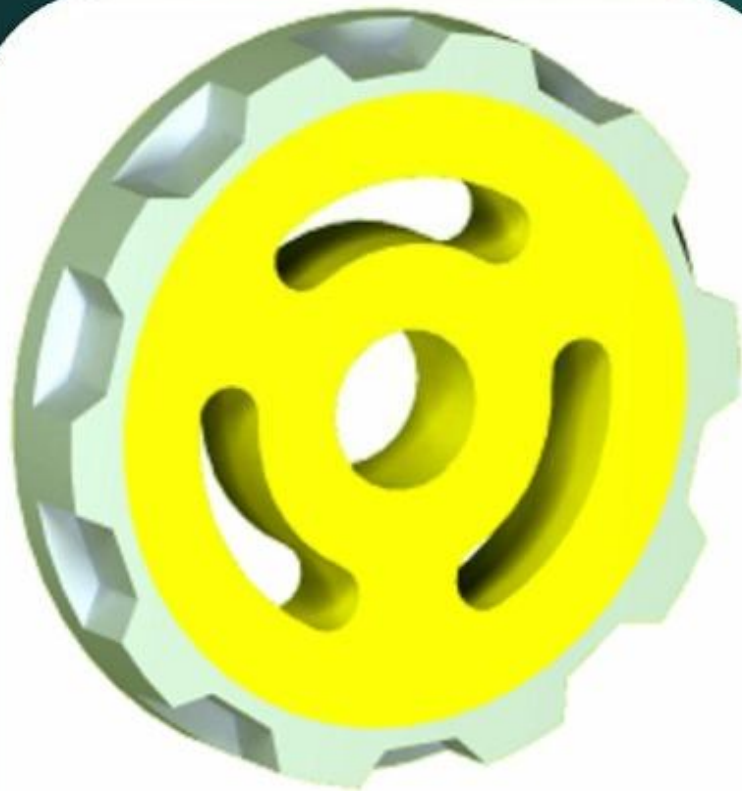
ABOUT

CTI Afrique is a company which has as goal to provide African solutions to African companies.

Our team is built by experienced engineers and we work on projects in the fields of mechanics, electricity and civil engineering.

Our headquarters is located in Niger (Niamey), but CTI Afrique provides its services to any company that asks for it, anywhere in Africa.

Creating custom solutions, completely suitable to the environment that face the companies in Africa is our leading goal.



C-GMAO

With C-GMAO, you will have a decision marker support:

- Gain a global vision on your maintenance
- Increase the availability of your plant
- Follow and foresee a reliable budget

**MINIMIZE THE COSTS
INCREASE THE PRODUCTIVITY**

Simple, easy to use and direct, C-GMAO, it's 6 functions.

MACHINE

DOCUMENTATION

HISTORIC

SOON

SCHEDULE

STOCK

MACHINE

*Localize and define your machines,
equipments...*

DOCUMENTATION

*Regroup and organize related documents
(plans, MO...)*

HISTORIC

*Record your operations
Representation of your maintenance*

SOON

*Consult planned tasks and their
convergence at the chosen date*

SCHEDULE

*Make programs based on the section
"SOON"*

STOCK

Consult stock, localization, availability



MACHINE

C-GMAO

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CTI Afrique

MACHINE

DOCUMENTATION

HISTORIC

SOON

SCHEDULE

STOCK

Sector

Plant

Unit

Crushers section

Machine

Pumper CM 25

Component

Motor

Piece

Manufacturer : LEROY SOMER
Start date : 2008
Stop date : in service

Aspiration pump in C position

Operations

Start test
Leak on axle



| | | | |
|--|----------|-------------------|--------------------------|
| | | 16015 ANGOULÊME | |
| | | FRANCE | |
| MOTEUR ASYNCHROME · NFC 51-111 NOV. 79 | | | |
| Type | LS 90 Lz | 595257/3 | |
| kW | 1.5 | cos φ | 0.78 |
| | | ΔV | 230 A 6.65 |
| | | rd ^{10%} | 76 |
| | | λY | 400 A 3.84 |
| t/min | 1440 | isofclasse | F amb ^{20°C} 40 |
| Hz | 50 | ph | 3 S. n° S1 |
| Roulements Made in | | | |
| Autres Pièces Made in FRANCE | | | |



MACHINE

C-CMAO

Sector
Plant

Unit
Crushers section

Machine
Pumper CM 25

Component
Motor

Definition and localization with dependence connection

5 levels of hierarchy

Organization of sites and equipments the same in the whole software

Simple record and view



MACHINE

C-CMAO

Consultation of recorded information

Manufacturer : LEROY SOMER

Start date : 2008

Stop date : in service

Aspiration pump in C position

Operations

Start test

Leak on axle

Leak on axle



MACHINE

**Add illustrations to information
(photo or image showing
a special particularity)**





DOCUMENTATION

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MACHINE DOCUMENTATION HISTORIC SOON SCHEDULE STOCK

Search bar

Add a document

Sector
Plant

View

Delete

Unit
Crushers section

Machine

Component

Piece

- ISO certificate.jpg
- Machines list.pdf
- PID.pdf
- Promotional video.mp4



DOCUMENTATION

Add a document

Add documents specific to areas or equipments

View

Consult recorded documents

Delete

Remove unwanted documents

ALL KIND OF FORMAT

ISO certificate.jpg

Machines list.pdf

PID.pdf

Promotional video.mp4



HISTORIC

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MACHINE DOCUMENTATION **HISTORIC** SOON SCHEDULE STOCK

Sector
Plant

Unit
Crushers section

Machine
Crusher F15

Component

Piece

Add an intervention

| | |
|------------|------------|
| 15/05/2019 | 25/04/2019 |
| 25/04/2019 | 19/03/2019 |
| 19/03/2019 | 20/02/2019 |
| 20/02/2019 | 13/02/2019 |
| 13/02/2019 | 20/01/2019 |
| 20/01/2019 | 11/01/2019 |
| 11/01/2019 | 09/01/2019 |
| 09/01/2019 | |

curative : 5

preventive : 2

predictive : 1

Internal cost = 0
External cost = 100 000
Material cost = 2 148 500

15/05/2019
Oil refill

25/04/2019
Crusher protection replacement

19/03/2019
U joint replacement

20/02/2019
Belts tension

13/02/2019
Hydraulic connexion
replacement

20/01/2019
Belts tension

11/01/2019
Correction of dust leak

09/01/2019
Correction of dust leak



HISTORIC



**Visual representation of availability
(base on recorded operations)**

Possibility to show average value of availability

Easy analyze of breakdowns frequency

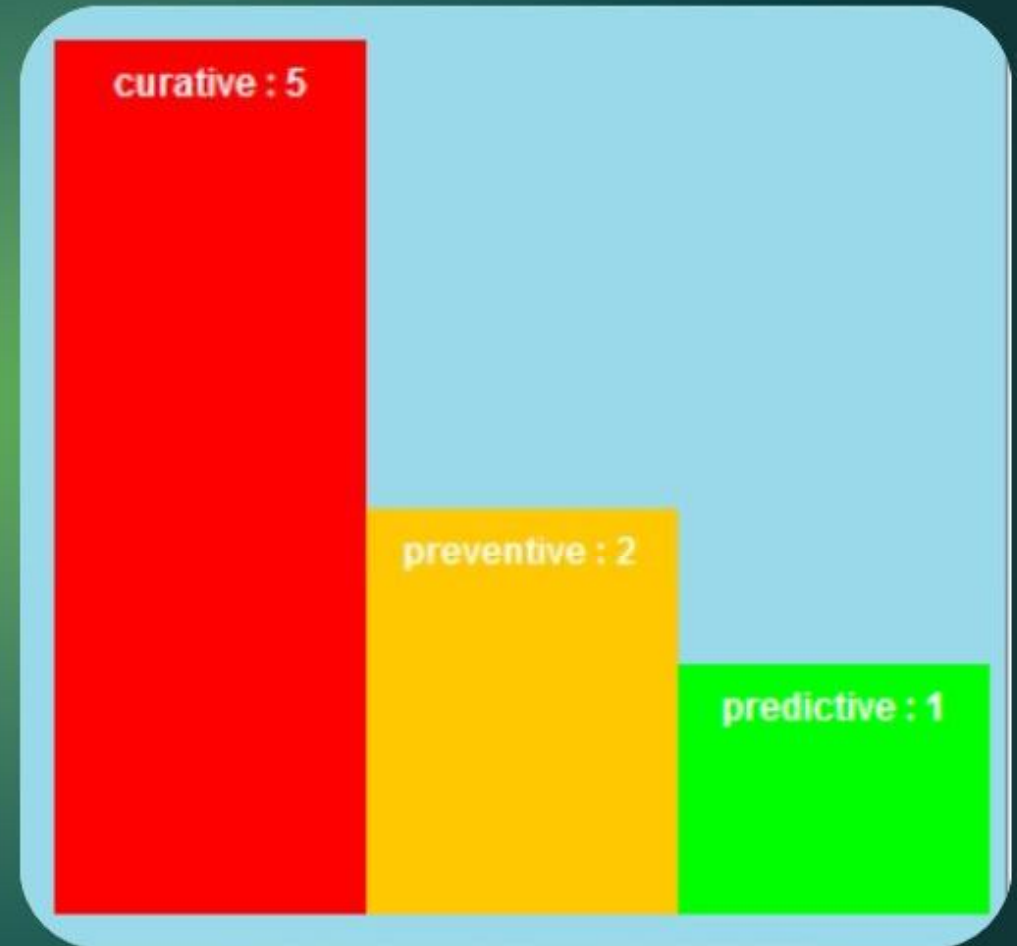
Immediate reading of breakdown gravity



HISTORIC

Graphic illustration of
maintenance quality

Quick decision making to adjust
evolution





HISTORIC

Internal cost = 0
External cost = 100 000
Material cost = 2 148 500

15/05/2019

Oil refill

25/04/2019

Crusher protection replacement

19/03/2019

U joint replacement

Individual or aggregated cost view

Cost separation

Operations recorded information



SOON

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MACHINE DOCUMENTATION HISTORIC **SOON** SCHEDULE STOCK

Year: 2019

Week/Month: June (dropdown), Week (dropdown)

Day: (dropdown)

Collect

Sector: Plant (dropdown)

Unit: (dropdown)

Machine: (dropdown)

Component: (dropdown)

Piece: (dropdown)

30/06/2019

Leak on axle (Crushers section/Pumper CM 25/Motor)

Start test (Crushers section/Pumper CM 25/Motor)



SOON

Anticipation on regular operations at the chosen date or period

| | | |
|-----------------------------------|-------------------------------------|-------------------------------|
| Year | Week/Month | Day |
| <input type="text" value="2019"/> | <input type="text" value="June"/> ▼ | <input type="text" value=""/> |
| | <input type="text" value="Week"/> ▼ | |

30/06/2019

Leak on axle (Crushers section/Pumper CM 25/Motor)
Start test (Crushers section/Pumper CM 25/Motor)

Information collect

Indication of concerned parts



SCHEDULE

Information transfert from section "SOON"

Collect :

Start

Stop

| Durat... | Start | Stop |
|----------|-------|-------|
| | | |
| | | |
| | | |
| | | |
| 10 mn | 10h20 | 10h30 |
| 5 mn | 10h15 | 10h20 |
| | | |

Tasks specifics

Team repartition

Temporal representation

| | 8 | 10 | 12 | 14 |
|---|---|----|----|----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| A | | | | |
| B | | | | |
| | | | | |



STOCK

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MACHINE DOCUMENTATION HISTORIC SOON SCHEDULE **STOCK**

Sector
Plant Add Modify Delete

Unit
Crushers section

Machine
Pumper CM 25

Component
Motor

Piece

Joint

Bearing

Actual value = 3
Limit = 5

Stored at the warehouse

2 pumps in preparation at the electronic workshop (possibility to collect their joints)

17 used joints at the TRASH warehouse



STOCK



Stock repartition according to level

Consultation of information on spare parts need

Actual value = 3
Limit = 5

Stored at the warehouse

2 pumps in preparation at the electronic workshop (possibility to collect their joints)

17 used joints at the TRASH warehouse

DOWNLOAD TRIAL VERSION

Download link : <http://www.ctiafrique.com/telechargement-c-gmao-en.html>

Version : **2.1.2**

Environment : **Windows**

No date limit, but entries limit

CONTACT US

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