



# Melvin

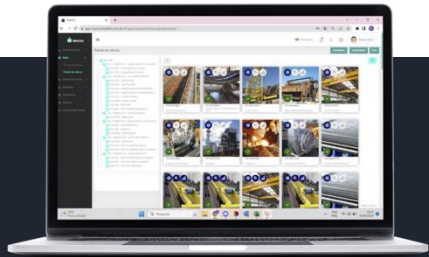
## SOFTWARE OF MAINTENANCE



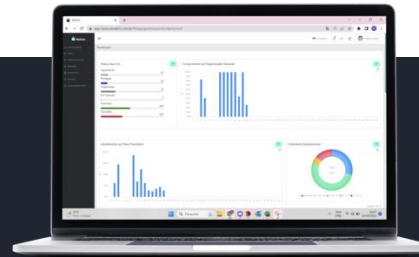
# The solution

## COMPLETE SOLUTION FOR MANAGEMENT OF MAINTENANCE

Through software via WEB + Android and IOS App



Simple, practical  
and intuitive



Indicators in  
real time



App IOS and Android  
for field work

# The maintenance scenario



**Large number of assets**



**Easier to forget than to remember maintenance**

**Assets working 24 hours a day, 7 days a week**



**Faster wear requires more maintenance**

**Audits and inspections**

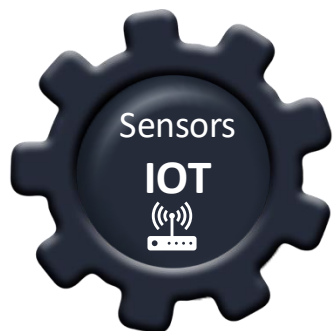


**Requires traceability of maintenance**





# Where everything comes together!



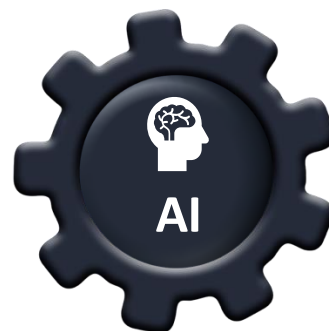
## Online Predictive

With **Melvin's IoT sensor**, you can monitor vibration, temperature, inclination and hour meter.



## ERP integrated

We have **open integration APIs** to integrate with any type of ERP, such as SAP and Totvs.



## Artificial Intelligence

The **weekly schedule** is created by AI, based on the Programmer's habits.



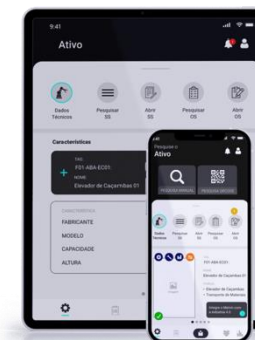
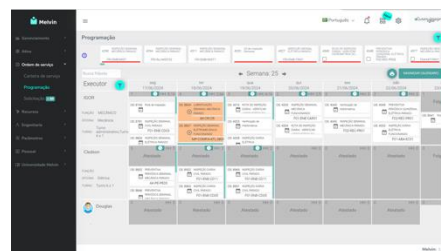
## Mobile App

Field work can be recorded via cell phone, by **reading QRCode**.



## Integration with BI

Customizing Dashboards in **Power BI**.



# Panel of cases +150 clients



Construction



Food industry



Agroindustry



Services provision



Furniture



Automaker



Textile



Fleet



Chemical



Others

# Bases installed

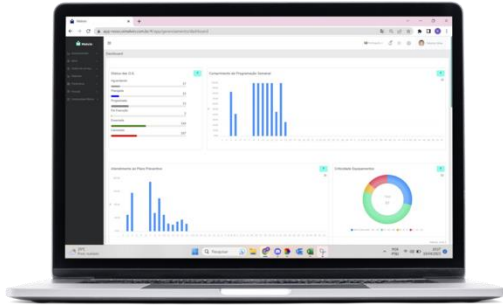


**+400** branches where  
Melvin is installed

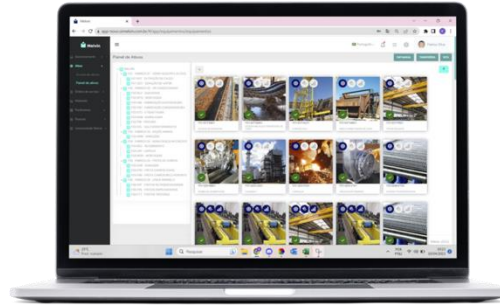
We are in all Brazilian states and in  
Argentina, Paraguay and Angola.



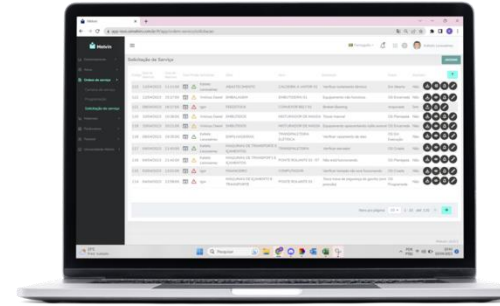
# Main features



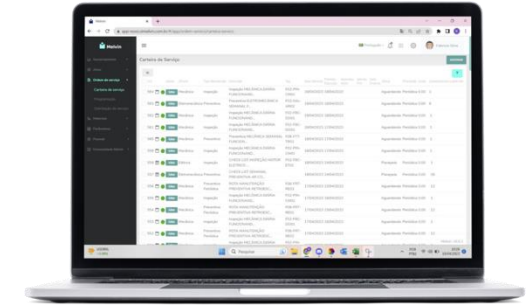
Dashboard of Indicators



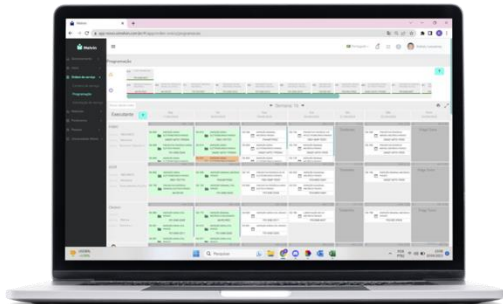
Asset Registration



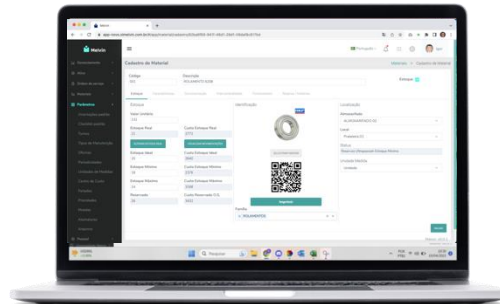
Control of Requests



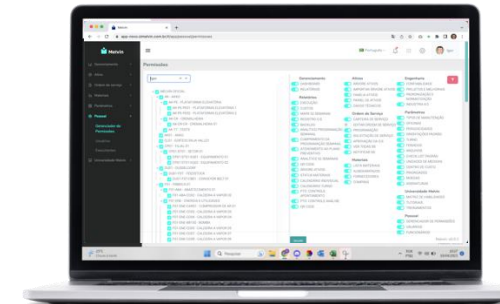
Control of Work Order



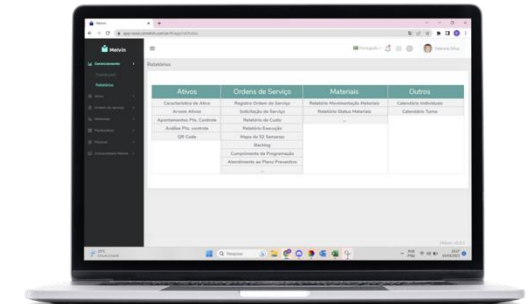
Weekly Scheduling



Spare parts Control



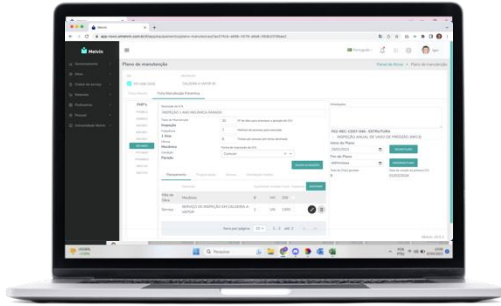
Permissions Management



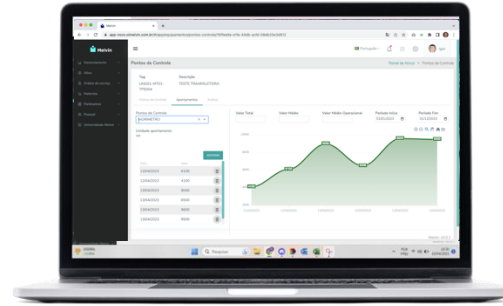
Performance Reports



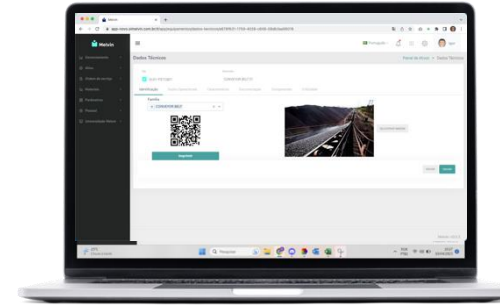
# Main features



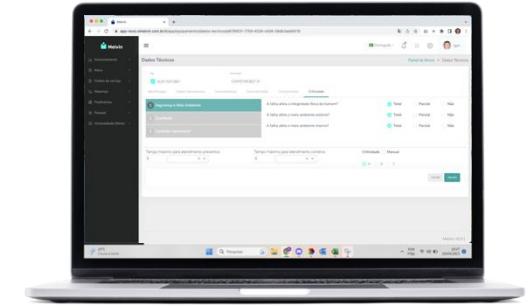
Maintenance Plans



Trend Tracking



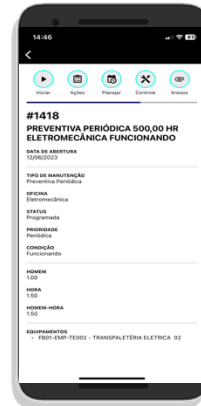
Data Sheet of the Assets



Definition of equipment criticality



QRCode Scan



Execution of W.O.



Data Sheet



Opened Requests



# Proven Results

More security in **audits**

Greater equipment **reliability**

Better control of **indicators**

"Here at Maintenance at LATAM Airlines Brazil, we started using Melvin in November 2020. Using this software has brought convenience and is generating great results. We are evolving more and more with this tool, including making expansions."

*Raul Mendonça – Maintenance Engineer*



Melvin started being tested in a few Latam Airlines bases and today we have:

**55** bases at all airports in Brazil

Expansion to Asunción in Paraguay

# Proven Results

Control of **maintenance plans**

Better team **reputation**

Higher **preventive** rate

"Melvin comes from people who have experienced the problem you are experiencing. It was made by people who know about the skin problem. People who know about the difficulty. It's not just beautiful, in the cloud and all."

*Abner Fernando – Maintenance Supervisor*

**APCLO TUBULARS**  
*High quality pipe for Oil & Gas*

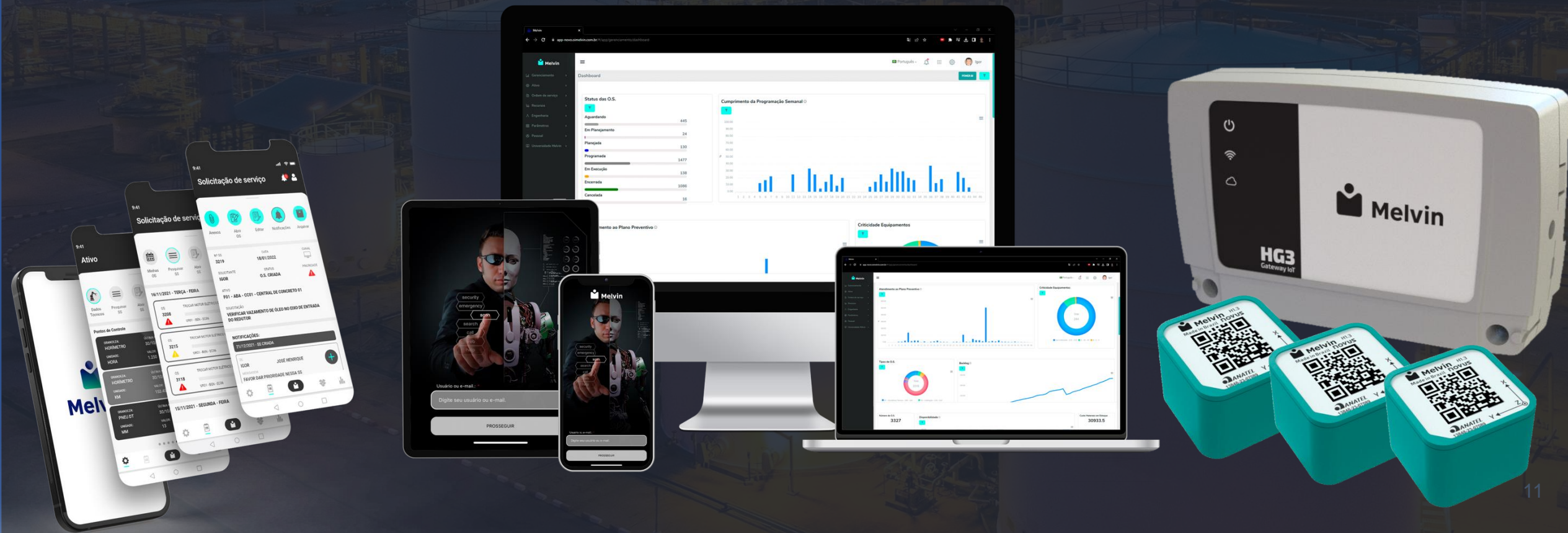
An international audit praised Melvin, even saying that it was better than other software on the market.





# Melvin

## APPLICATION OF AI AND IOT IN MAINTENANCE MANAGEMENT



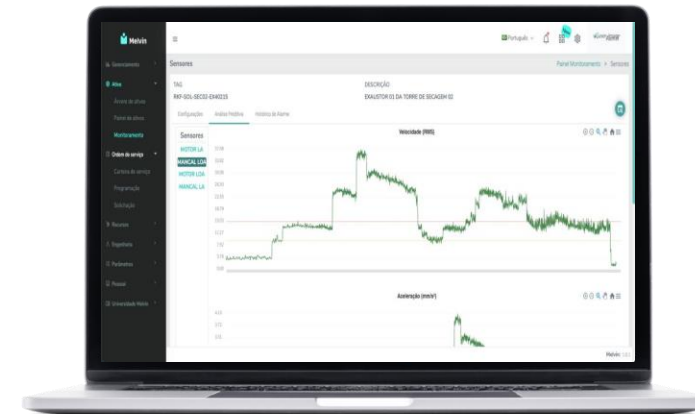
## How works

. Rotating equipment components can show signs of failure through vibration and temperature

. From these quantities it is possible to know when the failure will occur and what the diagnosis of this failure is.

. Therefore, we are anticipating the production stoppage, due to equipment stoppage

. In short, we are automating fault identification in real time





# Diferentials of Sensors IOT

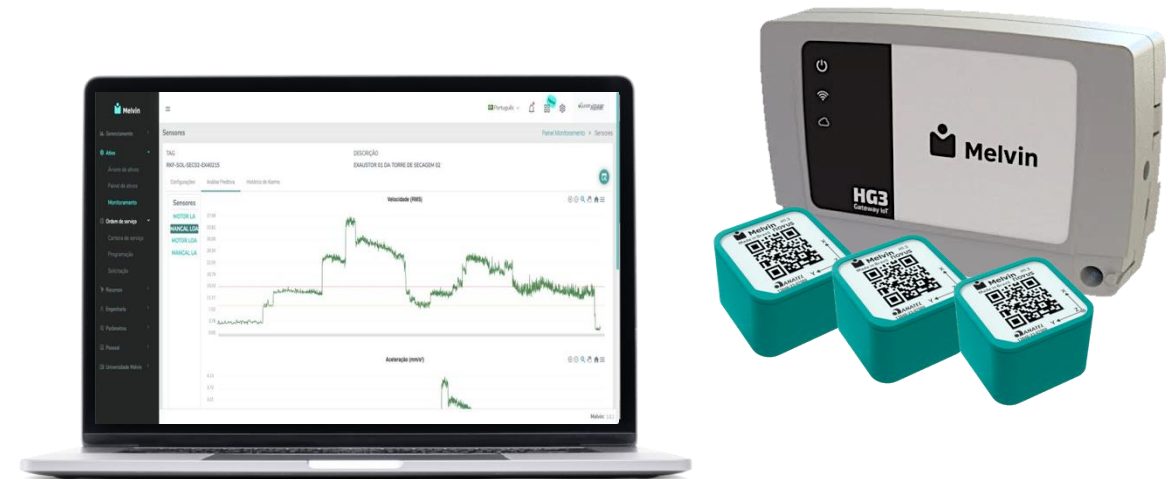
. **Quick and easy installation:** the sensors are magnetic and fixed by magnet. The Gateway can use an **Ethernet, Wi-Fi or 4G network**.

. **Battery life:** considering one collection per minute, the estimated duration is **10 years**.

. **Variable speed monitoring:** a sensor is connected to the **frequency inverter** and another collects vibration and temperature data.

. **Alarms by frequency bands:** configuration of spectral bands for monitoring the **frequency of bearing failures**.

. **Insights direct to the user:** the alarm is sent via **notification in the App and by email**.



Mechanical engineers with more than 20 years of experience in maintenance



**Igor Silveira | CEO of Melvin**

Maintenance Engineer for 18 years. Mechanical Technician from UFJF, Industrial Mechanical Engineer from UFSJ, Postgraduate in industrial management from PUC-Minas and Master in Energy Engineering from CEFET-MG. He has worked in several industrial segments, such as the food, cement, civil construction, lime manufacturing, steel, mining, in addition to helping several companies as a consultant in the implementation of Maintenance Management Systems.



**Eymard Barroso | CSO of Melvin**

Works with maintenance for 15 years and has several courses in the area. Electromechanical Technician from CEFET-MG and Mechanical Engineer from UFMG, worked in several industrial segments, such as civil construction, steel and oil (Petrobrás employee), working on routine planning and programming for major equipment downtime. Twice had the opportunity to implement a maintenance management system from scratch. Since 2016 has been undertaking in the area of sales, startup and digital marketing.

# Thank You!



## Melvin

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Sales

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