

Approved  
Partner

Industry  
Services

SIEMENS

# Equipment maintenance, repair and diagnostics

- ✓ Frequency converters AC/DC
- ✓ Servo Drives
- ✓ Servomotors
- ✓ Cook Robot
- ✓ Starters
- ✓ Drives and much more...



*Turning today's failures  
into tomorrow's opportunities...*



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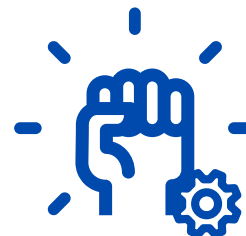
## MISSION

To provide a service that meets the demands of our clients by using cutting-edge technology in order to improve development in projects, maintenance and repair.



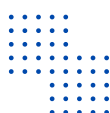
## VISION

To be a leading company in the sector, standing out for our excellence in service, customer care and commitment to sustainability.



## VALUES

- Vocation to service.
- Commitment.
- Innovation.
- Honest work.
- Continuous development.
- Respect for the environment.



# WHY PREVENTIVE MAINTENANCE?

At Huaquian, we help you anticipate and prevent failures before they occur, ensuring that equipment operates efficiently and safely.



## IMPORTANT FACTORS

### ■ POWER QUALITY

### ■ ENVIRONMENTAL QUALITY



At Huaquian we can advise you on these 2 points, so that your production keeps moving.

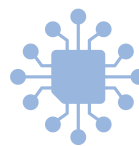
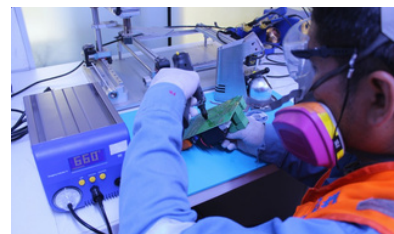
### ■ EQUIPMENT MAINTENANCE



We take care of the corresponding maintenance of the equipment.

## SERVICE OBJECTIVES

- Maintaining the quality and reliability of electronic equipment.
- Increase availability and reduce equipment failures.
- Reduce the number and severity of workplace accidents.
- Reduce costs through efficient maintenance.
- Provide prompt attention and specialized technical support.



## PATH

With **over 10 years of experience** providing specialized support to the industrial sector, we have established ourselves as a reliable partner in industrial electronic maintenance.



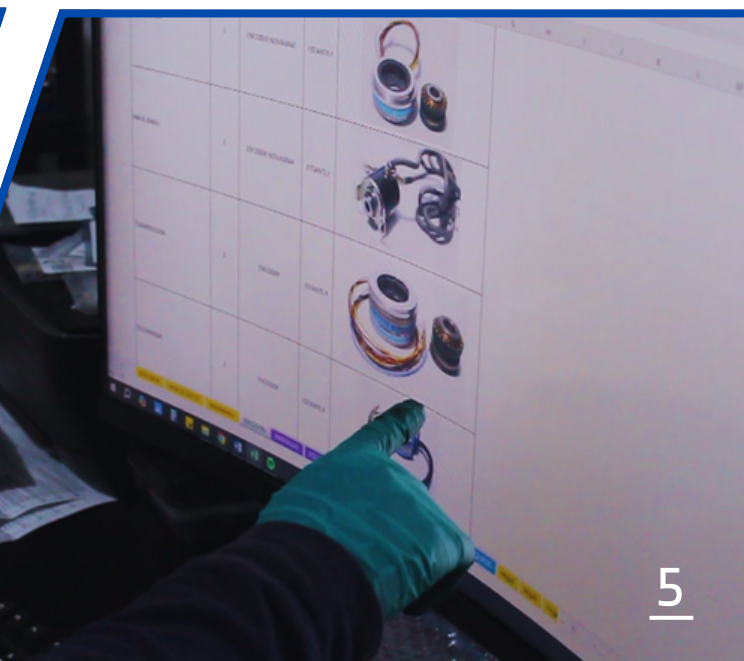


# PILLARS

(3 MAIN PILLARS)



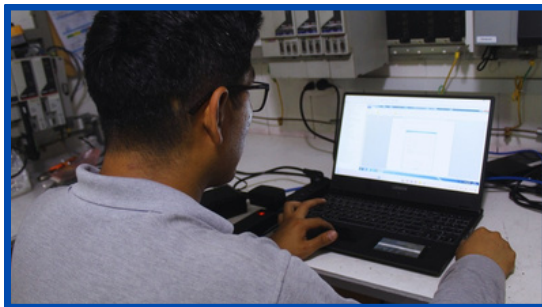
- At Huaquian, we offer a wide variety of spare parts for equipment, ensuring efficient and effective maintenance.





# TEST BENCH

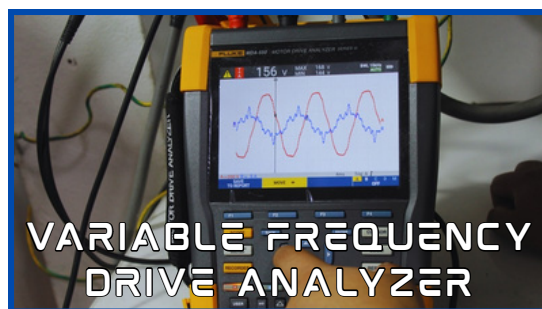
- We have a highly trained team and well-powered equipment to carry out the corresponding tests.





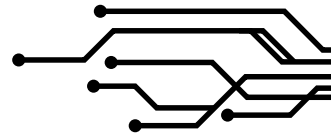
# CUTTING- EDGE TECHNOLOGY

- We use advanced tools, such as specialized software and state-of-the-art measuring equipment, to quickly identify problems.





# MAIN REASONS



## POWER QUALITY

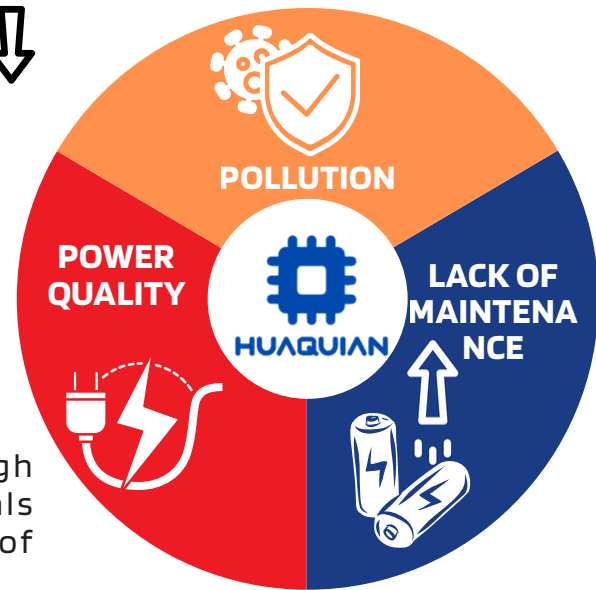
Fluctuations in power supply, such as voltage spikes or surges, can damage internal equipment components. This is especially critical in industrial environments.

## ENVIRONMENTAL CONDITIONS

Factors such as dust, humidity, high temperatures, or exposure to chemicals affect the performance and durability of equipment.

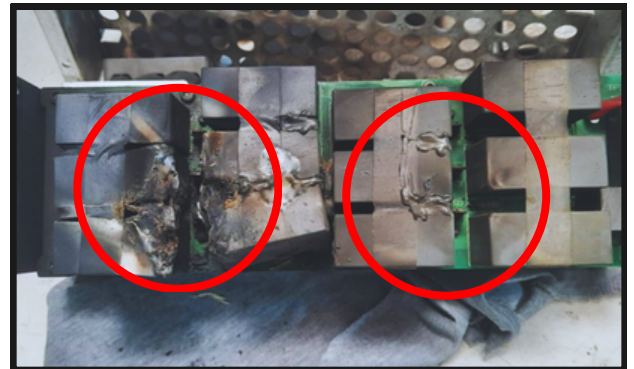
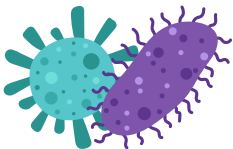
## LACK OF PREVENTIVE MAINTENANCE

Failure to perform regular maintenance can cause wear and tear and the accumulation of dirt on internal components, such as fans, circuit boards, capacitors, etc.



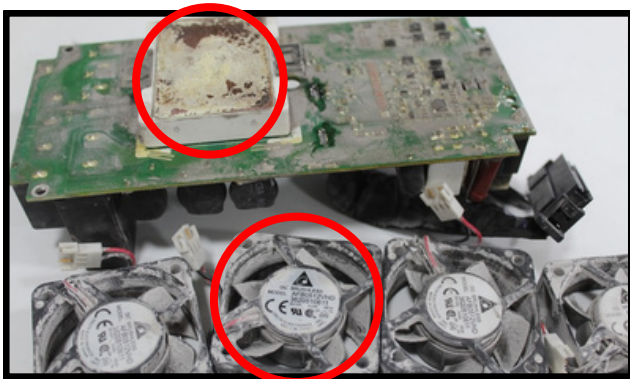
## BAD ATMOSPHERE

An environment with excessive temperatures can compromise the ability of capacitors to dissipate heat efficiently, which can lead to overheating and reduce their performance and lifespan.



## LACK OF MAINTENANCE

Lack of regular cleaning and preventative maintenance can lead to the accumulation of dust and dirt. This directly impacts equipment efficiency and exposes it to serious and irreparable failures.





# ADVANTAGES

(MAIN BENEFITS)



# MAIN ADVANTAGES



01

## LONGER EQUIPMENT LIFESPAN

Preventive maintenance helps to detect and correct problems before they become serious failures.

02

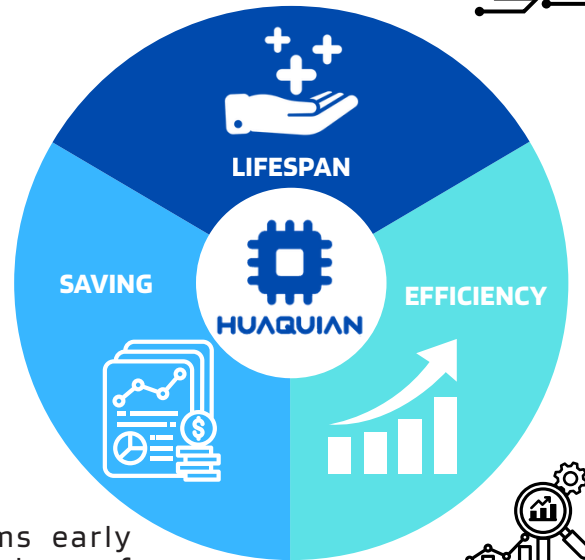
## IMPROVED EFFICIENCY

By scheduling regular checks, unexpected failures are minimized, ensuring that equipment operates continuously and efficiently.

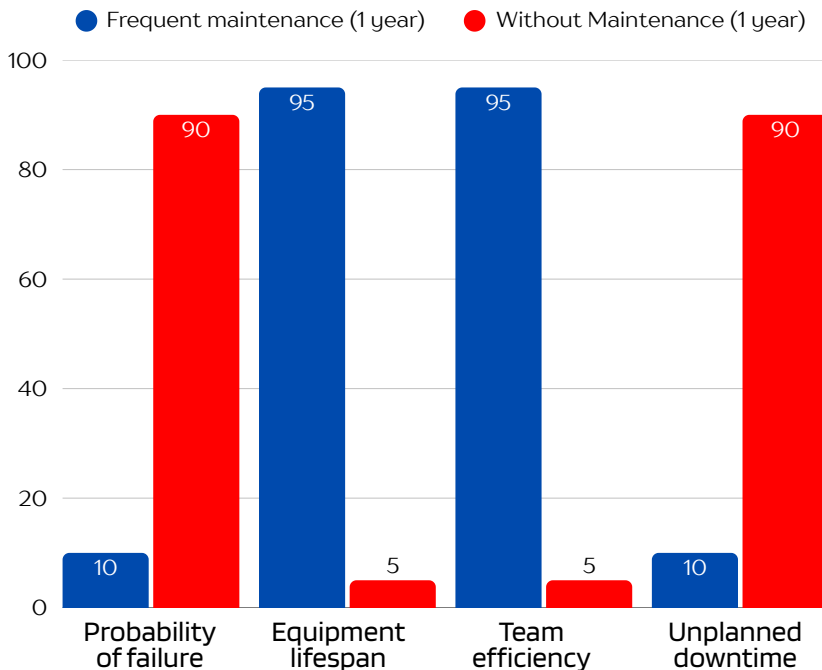
03

## COST SAVINGS

Detecting and correcting minor problems early prevents costly emergency repairs and loss of productivity, generating significant savings for companies.



WARRANTY



## Comparative diagram

**Equipment with preventive maintenance:** Increases the useful life of the equipment (**95% useful life**), minimizes **the probability of failures (5%)**, and has a predictable cost.

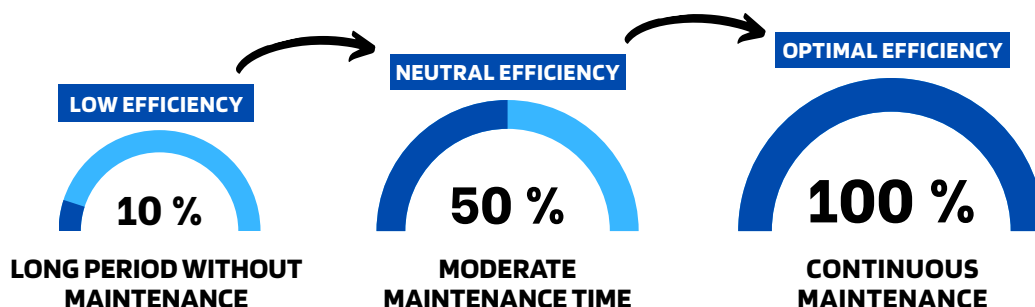


**Equipment without maintenance:** Loses efficiency (~90%), faces frequent downtime (**95% unplanned downtime**), and has a higher risk of accidents and **unexpected costs**.



## RESULTS OF PLANT MAINTENANCE

Improving equipment efficiency also reduces energy consumption and ensures that equipment operates at maximum capacity, improving overall productivity.



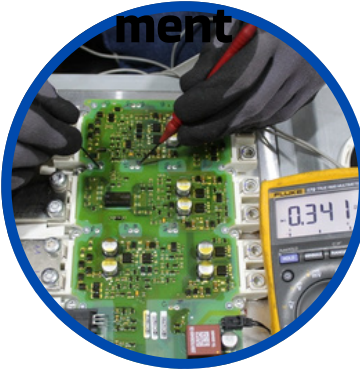
# Maintenance procedure (Variables, Drives, PLCs, etc.)

Huaquian's service is distinguished by its comprehensive attention, starting with the dismantling of the equipment on the premises until its subsequent reassembly.

## 1 | Disassembly



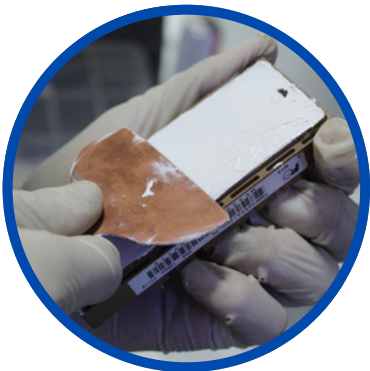
## 2 | Measurement



## 3 | Unarmed



## 4 | Thermal paste replacement



## 5 | Component replacement



## 6 | Assembly



## 7 | Mounting



## 8 | Final test



# Maintenance procedure (Motors and Servomotors)

In Huaquian, we have all the necessary parts in our warehouse for the optimal maintenance of servomotors.

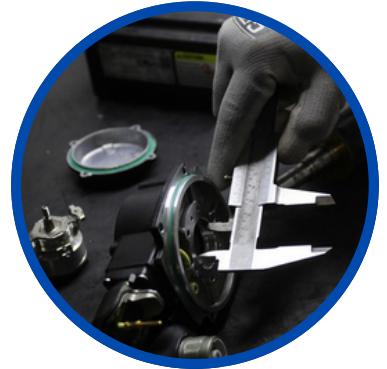
## 1 | Inspection



## 2 | Measurement



## 3 | Unarmed



## 4 | Decontamination



## 5 | Component replacement



## 6 | Assembly



## 7 | Final test



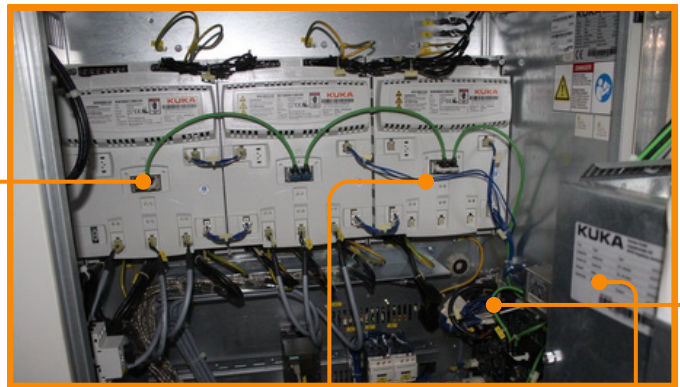
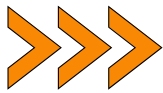
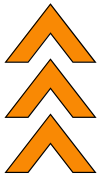
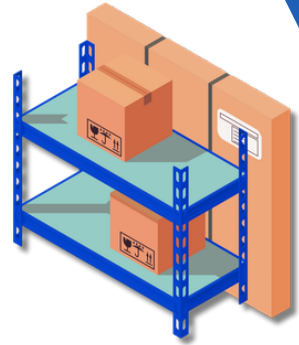
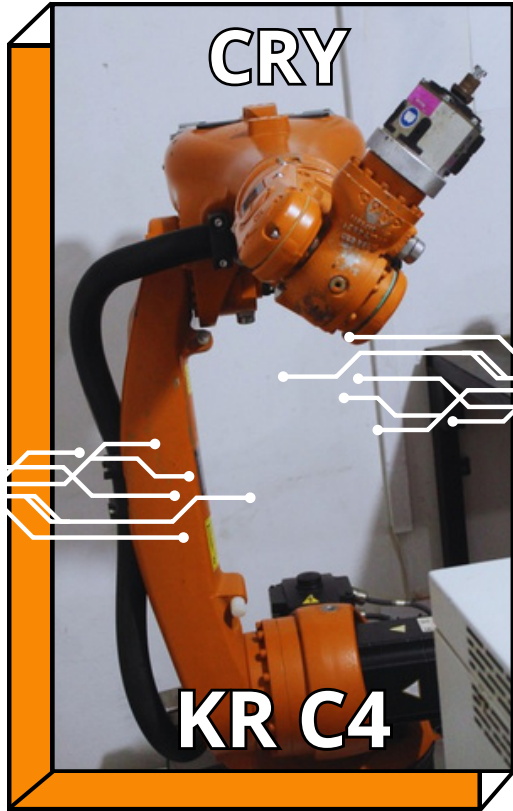
## 8 | Result



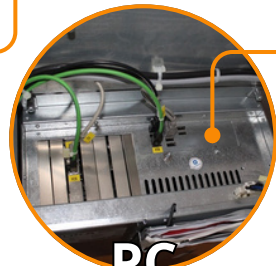


# ROBOT WHOLE

(TEST EQUIPMENT)



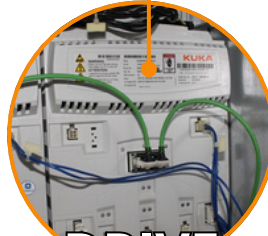
FOUNTAIN



PC



SMARTPAD



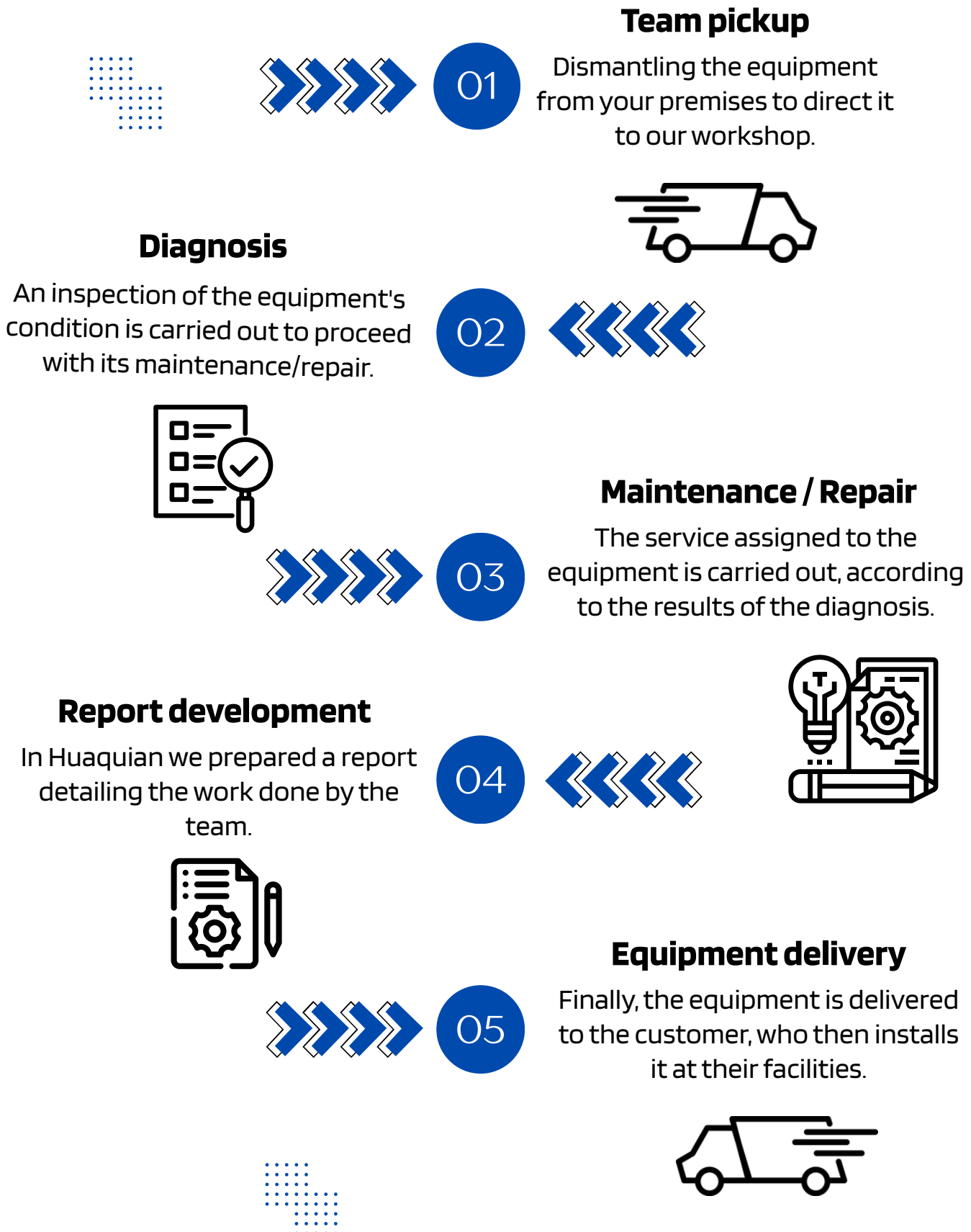
DRIVE



CARD

# GENERAL SERVICE PROCESS

Throughout the entire service process, we guarantee transparency and constant communication with our clients, ensuring they are informed at every step.



# WE WORK WITH MORE THAN 50 CLIENTS

Our maintenance and repair service, which focuses on maximizing the availability of industrial equipment, serves more than 50 brands nationwide, including:

**allicorp** **Backus** **GLORIA** **SIEMENS**

**Smurfit Kappa** **QROMA** **B|BRAUN** **Nestlé**

**UNIQUE** **molitalia** **surpack** **HEINZGLAS**  
family-owned since 1622

**CLOROX** **filmpack** **TASA** **PARAÍSO**

**surpack** **Kimberly-Clark** **LAIVE** **SMI**

**MASTER BREAD** **FORSAC** **Mondelēz International** **TUPEMESA** **DEMSAC**  
INDUSTRIA DE ENVASES Y TAPAS

**PRODESA** **sinea** **Quimpac** **gp** **OppFilm**  
PERÚ

**ARIS** **TRUPAL** **Ingredion** **global GQ alimentos**  
PROFESIONALES DEL EMPAQUE

**LEPSAC** **DSI** **Fibraprint** **UNACEM**  
ELECTRICA PERUANA SAC UNDERGROUND CONSTRUYENDO OPORTUNIDADES

**GRUPO SEIL** **metal pren** **PACKPLAST** **ARCACONTINENTAL** **fitesa**  
INGENIERÍA Y PROYECTOS ENVOLTURAS S.A.C. LINDLEY

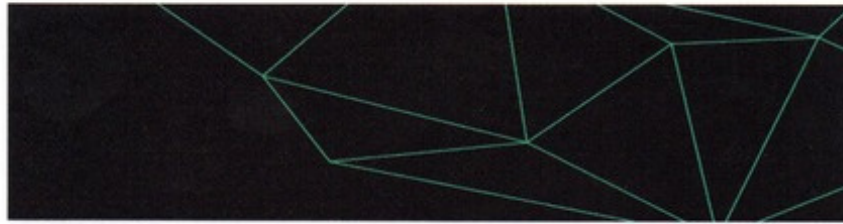
**BIMBO** **MATRITECH** **EMUSA** **Nicoll**  
LO PIENSAS, LO HACEMOS EMUSA PERÚ S.A.C. by aliaxis

**Eternit** **INDECO** **tecnopress** **CasaGrande** **Softys**  
empresa Nexans INNOVANDO PARA TU CUIDADO

**FERMAR** **SYNHO** **INTRADEVCO** **SOLDEXA**  
INDUSTRIAL S.A.

**CAR VIM SA** **MACHU PICCHU foods** **Del Cielo**  
TAILOR-MADE FOR THE FOOD INDUSTRY

# SERVICE PARTNERS



## Service Delivery Partner Certificate

**HUAQUIAN S.A.C.**  
MZ. A LT. 01 ASOC. VILLA TALAVERA  
LIMA  
Peru

IFA: 316778656

The Partner has demonstrated his advanced competence to perform service on the below mentioned products. The Partner fulfills the Quality and Key Performance Indicators of the Siemens Service Partner Program and is therefore appointed as:

### Service Delivery Partner

Assessed by Customer Service, Erlangen Germany to carry out

Field Service on Digital Industry Product Range:

SINAMICS G130/G150 S120/S150

This certificate is valid until: 30/01/2027

**Hibbeln  
Ralf**

Digitally signed by Hibbeln Ralf  
DN: cn=Hibbeln Ralf, o=Siemens,  
serial=001, email=hibbeln@siemens.com  
Date: 2025.02.04 13:54:58 +0100

30/01/2025

Ralf Hibbeln, Head of Global Service Operations  
Digital Enterprise Services, Erlangen Germany

**Di Bernardo  
Diego Rodolfo**

Digitally signed by Di Bernardo Diego  
Rodolfo  
DN: cn=Di Bernardo Diego Rodolfo,  
o=Siemens,  
email=di.bernardo@siemens.com  
Date: 2025.02.10 10:01:28 -0500

Diego Rodolfo Di Bernardo, Partner Manager  
Digital Industry Services South Americas

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**SIEMENS**

**HUAQUIAN**



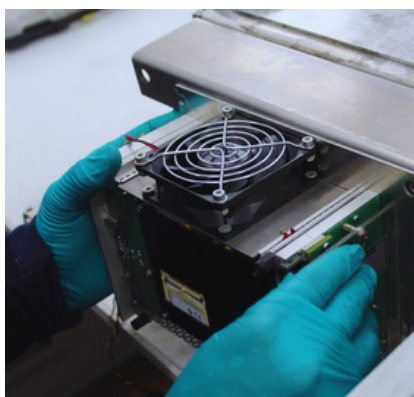
Don't forget that we are sharing relevant and useful content for you; your participation and support are very important to us.



We don't just provide a service, **we protect your operation.**

We don't just respond to problems, **we prevent future failures.**

We're not just a company, **WE'RE YOUR BEST INVESTMENT!**



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*Turning today's failures **into** tomorrow's opportunities*



# HUAQUIAN

*Turning today's failures into tomorrow's opportunities...*

