



**The automotive industry
partner throughout the
product life cycle**



Presentation company MASWER

**Done by:
MASWER México Automotive
06/11/2024**



Index

- + Introduction of the company
- + Services portfolio
- + References
- + Competitive advantages
- + Contacts



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+1.000
WORLDWIDE EMPLOYEES



12
OEM



+10.000
SUCCESSFUL PROJECTS



+50 M€
MILLION EUROS REVENUE
FORECAST 2024



+500
TIER 1/2 CUSTOMERS



5
COUNTRIES

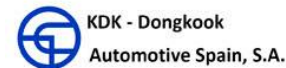
OEM



Mercedes-Benz

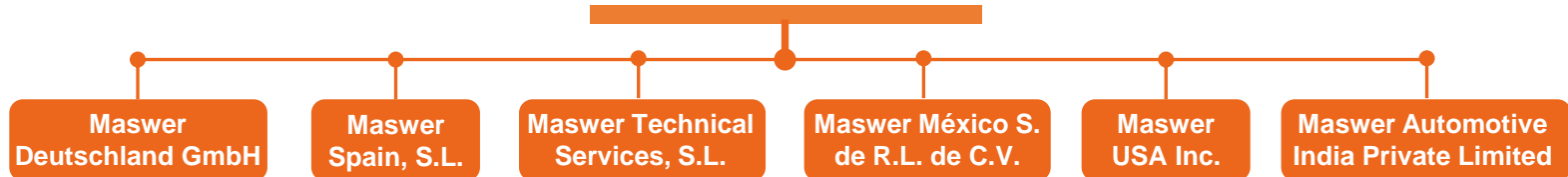


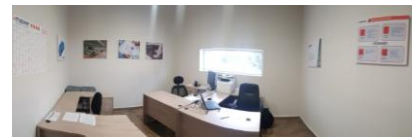
TIER 1





Maswer AG





MASWER Mexico - Saltillo

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MASWER Mexico - Aguascalientes

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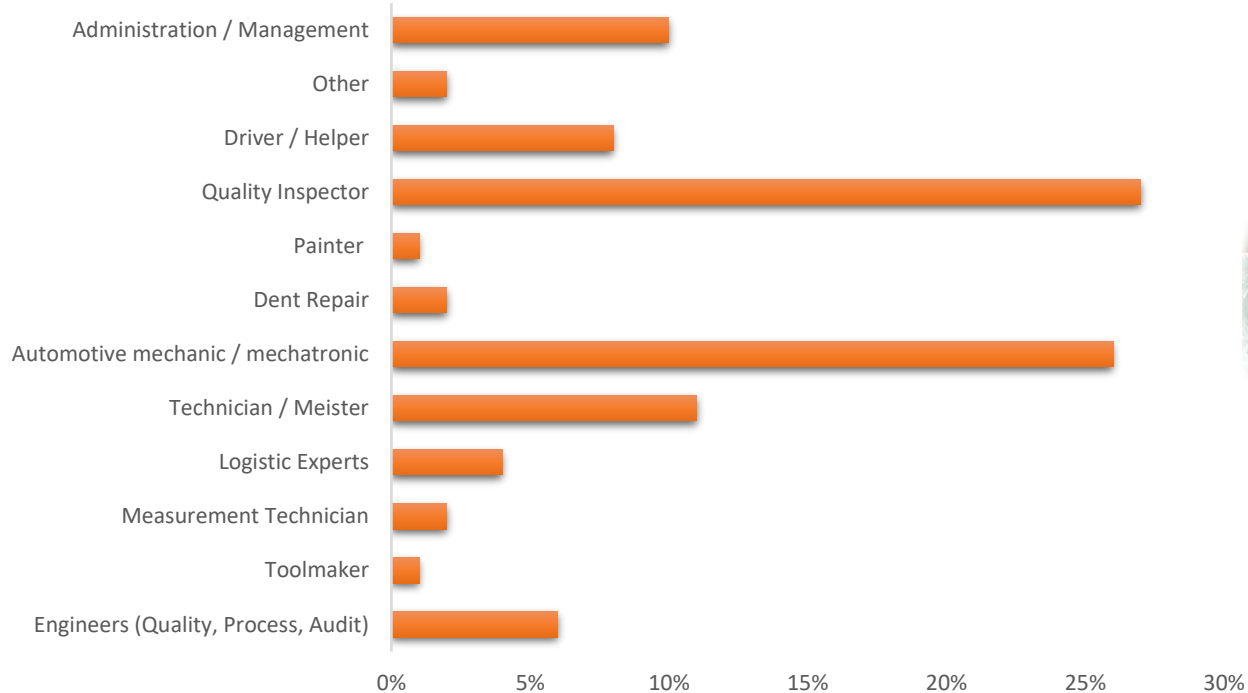


MASWER Mexico – Headquarters

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Puebla, México CP 72160

+ MASWER number of employees and qualification

+ Over 1000 employees Worldwide



PRODUCT LIFE CYCLE



DEVELOPMENT SUPPORT

- Test drive
- Preparation and follow-up of test vehicles
- Fleet management
- Maintenance feasibility study
- Tool design and Manufacturing
- Product development



QUALITY SUPPORT

- PQC (Parts Quality Center)
- Control & Rework / Firewall
- Resident Engineering
- Quality Engineering
- Technical support



PRODUCTION SUPPORT

- Rework / Retrofit new cars
- Reflashing control units
- Modules pre-assembly
- Storage
- Productive installations maintenance



AFTERSALES SUPPORT

- New and used car repairs
- Body and paint repair
- Vehicle adaptation / accessory installation / cleaning
- Foiling
- Fleet management
- Aftersales engineering

PQC, Sorting and Rework activities



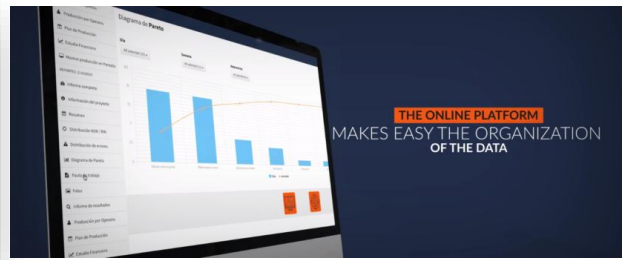
+maswer
QUALITY SUPPORT



PARTS QUALITY CONFIRMATION AND CONTROL & REWORK

Carrying out quality controls, rework and pre-assembly in México for more than 6 years

- + The supervisor knows how the plant works, as well as the different interlocutors necessary to carry out the action
- + Our supervisor is in charge of speaking with the supplier of the part, in case the defect is derived from it, and manages the offer and the invoicing of the service
- + We prepare the work instruction, as well as set up our online tool for the capture and reporting of data in real time.
- + Maswer ensures quality with an audit process both at the start of the service and in layers, in a fully digitized way
- + We ensure that the work areas comply with our quality systems, as well as the specific needs of our client.





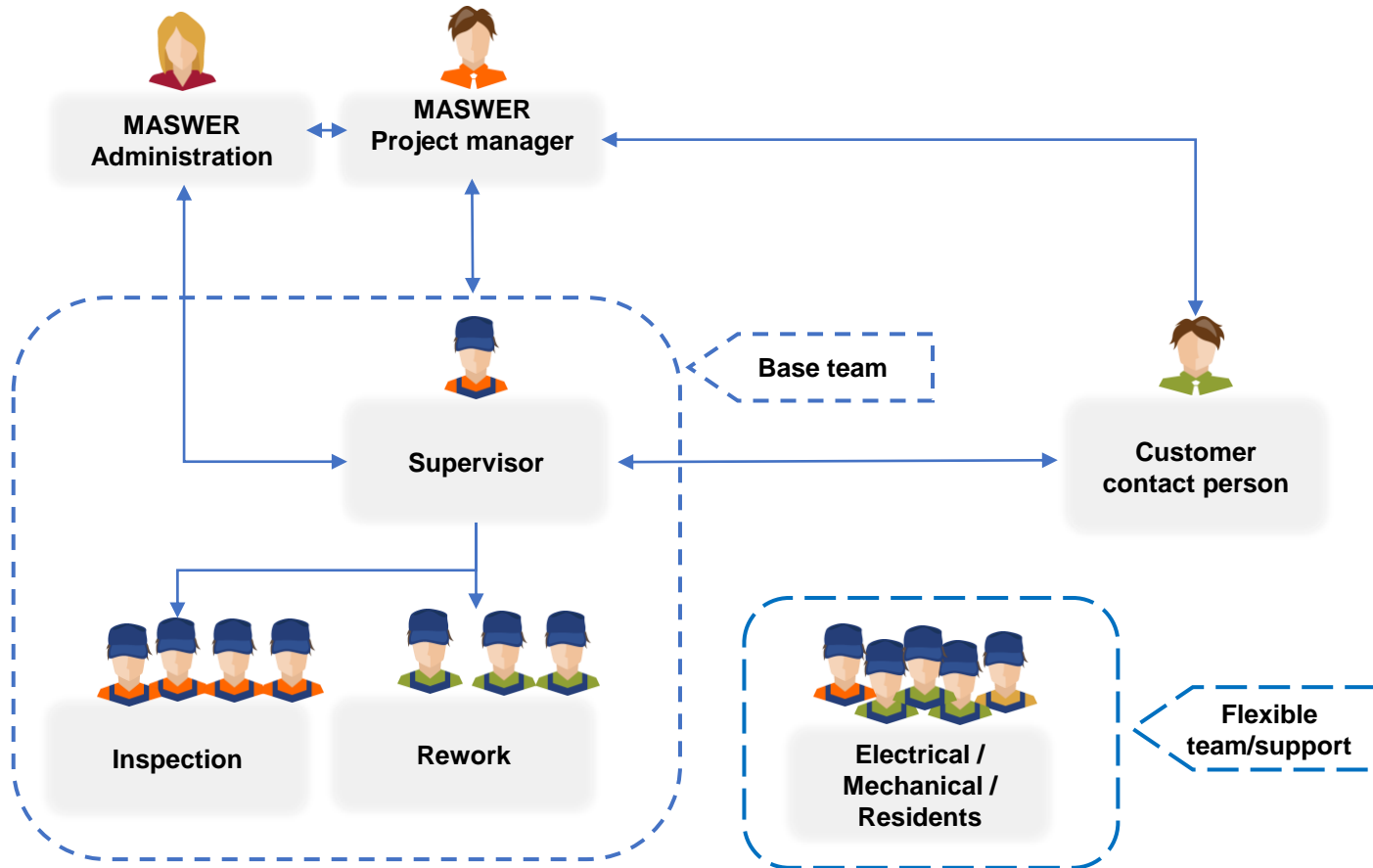
TRACEABILITY AND QUALITY MANAGEMENT: THIS IS HOW MASWER GUARANTEES THAT THE VALUE CHAIN DOES NOT STOP:

Our online platform allows customers to verify 'non-conformities' at any time through data and reports from the company's inspectors.



<https://youtu.be/9w8fOQ18XeY>







LEGEND

- █ Operations
- █ Human resources
- █ Quality Management
- █ IT

10 WEEKS PROCESS RAMP-UP
ESTIMATED PQC 75 EMPLOYEES

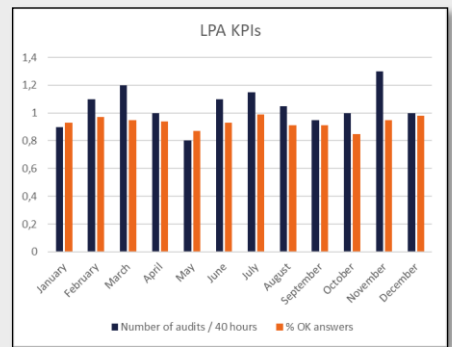
Layered process Audit – Digital with QR Code

Documentation & Lay-out & Identification & Method

Supervisor & Project Manager & Operations Manager & Quality Manager

KPIs

- Number of audits / 40 hours
- % OK answers



Action plan

- Live document
- Analysis non-conformities
- Definition of responsibilities
- Weekly follow-up

Quality dashboard

- Monthly projects launched
- Monthly audits
- Internal incidences
- Quality claims
- Number of suggestions for improvement
- Response time suggestions for improvement
- Monthly implemented suggestions for improvement

Quality Management MASWER AG

- + MASWER AG and the accordant subsidiaries are ISO 9001:2015 certified.
- + Quality Management at MASWER is not just a necessary requirement, it is an accepted and called up part of our daily work within all company levels.
- + There are **standardized processes** for
 - + offer preparation
 - + project management
 - + customer claim management
 - + customer satisfaction management
 - + etc.
- + **Types of Audits**
 - + **external certification audits** ISO 9001:2015
 - + **internal Audits** of MASWER QMB
 - + **layered process audits** by project managers, shift leaders, etc



CORE TOOLS

- + APQP: Advanced Product Quality Planning
- + PPAP: Production Parts Approval Process
- + FMEA: Failure Modal and Effects Analysis
- + SPC: Statistical Process Control
- + MSA: Measurement System Analysis

Professional +maswer
Training



We are experts in Quality Management! From the reactive part of the process up to the quality problem root cause:

- + Quality Engineers / Consultants with high experience in the automotive sector
- + Training on quality tools and standards
- + Direct contact with production line and supplier's base
- + Supplier development
- + Trouble Shooting
- + Update issues in customer's supplier tracking database
- + Involvement in quality and logistic claim investigation
- + 8D report analysis and validation
- + Follow-up of counter-measure to avoid quality and logistic claim recurrences
- + Production line preventive audits in high-risk parts and suppliers
- + Homologation process (PPAP / APQP)
- + Process audits (VDA 6.3 / QSB / Q1 ...)

+60

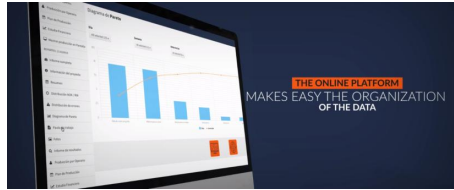
Quality Engineers worldwide



QUALITY SUPPORT



+maswer PartsQualityConfirmation



- + Real time capturing of the data
- + On time analysis of the evolution of the control or rework (Evolution and Pareto charts, or complete data of the activity)
- + Digital signatura of the instruction sheet
- + Access from anywhere with any device (mobile, Tablet or computer)
- + History of all the activities performed by Maswer for the customer
- + Possibility to share the information with any person requested by the customer

+maswer eRetrofit



- + Scanning of 100% of the units that enter in the tent (Zebra mobile system)
- + Scanning of real working time applied by every mechanic per repair
- + Control of project downtime caused by:
 - + No vehicles available in the bays
 - + No parts available to make repairs
- + Real time information is discussed with customer leader daily to improve the process
- + MASWER Quality Assurance System: Supervisor gives final ok in the system of each vehicle. System keeps full traceability of MASWER activity.

data+maswer drive



- + Complete digitization of taxiing tasks by drivers
- + Systematic complete digitization of functional guidelines/tests
- + Secure data entry using tablets
- + Web environment for data management and analysis
- + Vehicle maintenance/analysis management in a systematic and traceable manner
- + Dashboard for tracking findings (tickets / Alpos ..)
- + Advanced data analysis to cross-reference relevant information (software / loads / model)



Assistant Support 0074 – 2 Administration support – 3 years project
Steering support 0105 – 2 Engineering positions – 3 years project
Administrative Support 0097 – 2 positions – 3 years
Redaction Support 0120 – 2 editorial people staff supporting this area
IT-HUB – SAP – Support SAP MPS – 8 Specialists



Mercedes-Benz

+350 technicians (Tech1, Tech2, Quality inspectors, Drivers and Welders), and possibility of escalation in case of new projects



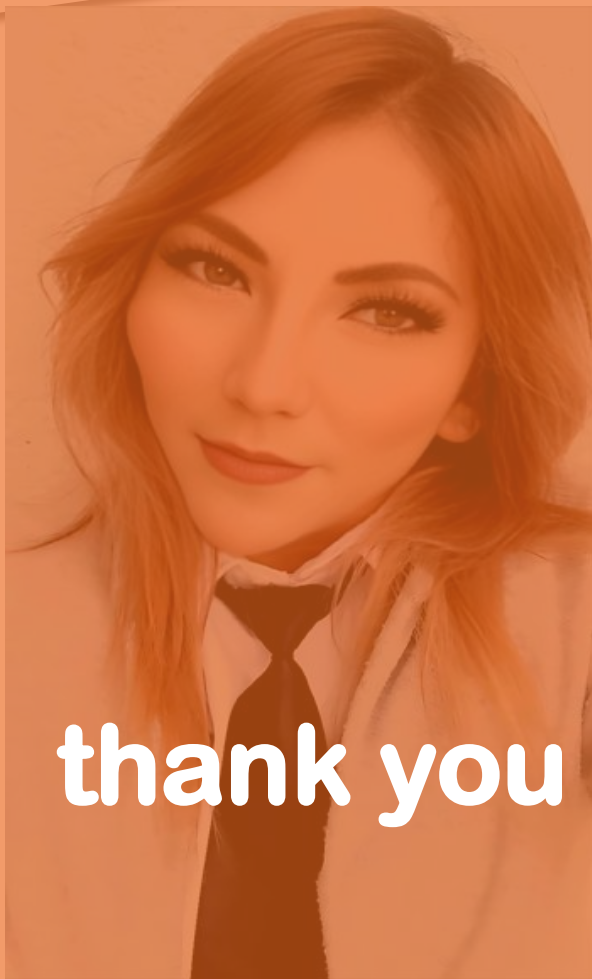
Complete vehicle validation – VW Group Spain confidential station
Electromechanical repair Leon / Formentor – Seat Martorell
Test driving press vehicles – VW Navarra
Supplier development program – SEAT & Audi
Electromechanic retrofit support for VW



3CPR (Sorting & Rework activities) Since January 2024
Mechanical activities since november 2023 in Zaragoza plant
Diagnosis and repair electrical problems in Rüsselsheim plant – 1500 vehicles



More than 450 employees worldwide performing Control & Rework, / QCC / PQC activities for Tier 1 and Tier 2, both in their plants or in their customer plant



thank you

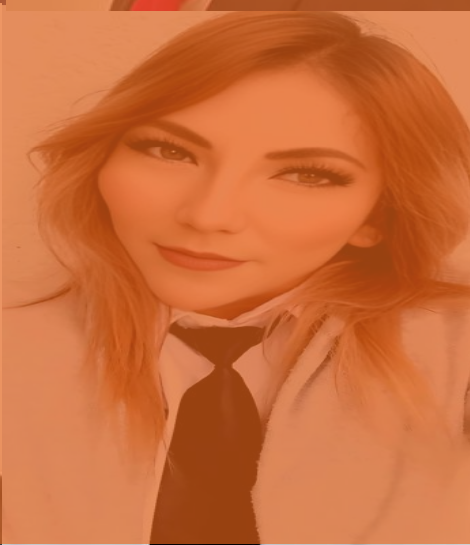
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thank you

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