

Manufacturing Solutions LLC



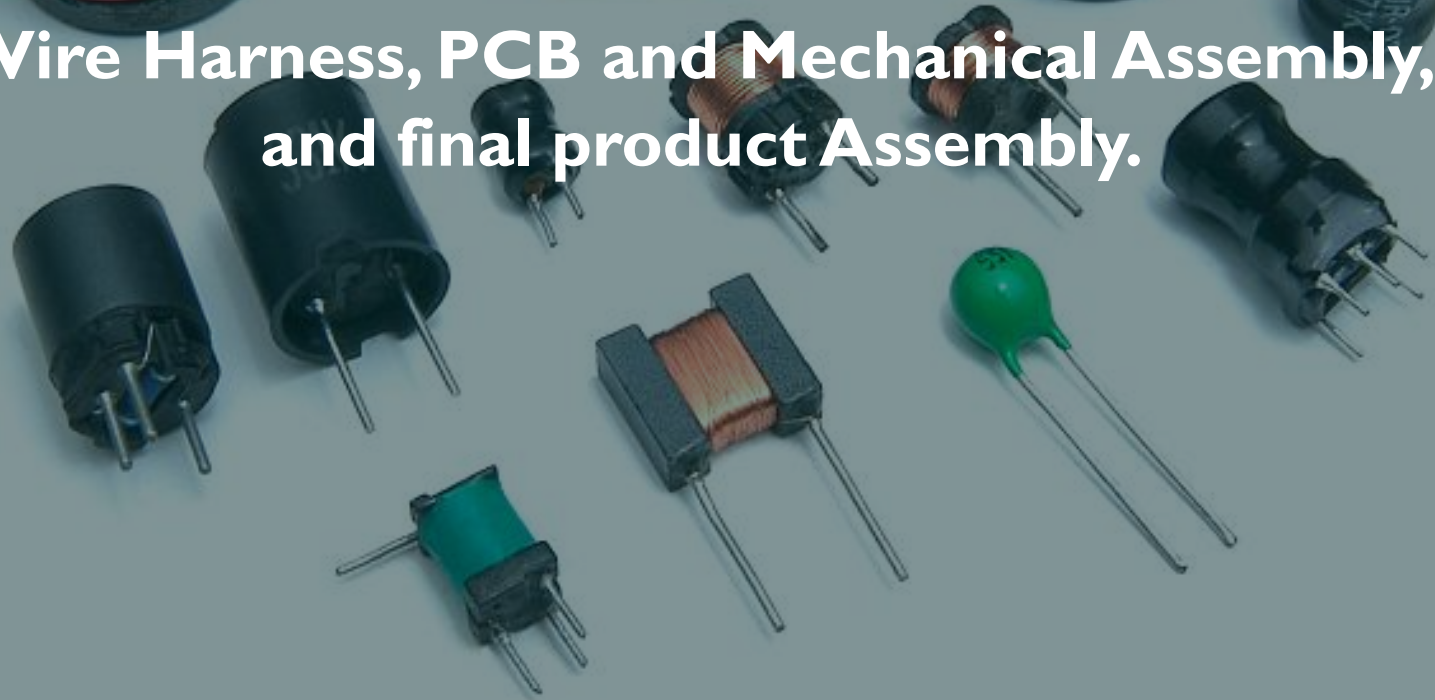
A friendly partner helping you achieve your goals

If you have a manufacturing problem, we have a solution`



Solutions to

Magnetics, Wire Harness, PCB and Mechanical Assembly, Led Drives and final product Assembly.





WHO WE ARE

Manufacturing Solutions LLC was established in 1998 with just one IDEA in mind: “provide solutions to everlasting manufacturing problems like: Late deliveries, skyrocketing manufacturing cost, long lead time and Poor Quality”



Founder and President Jesus Castañeda has more than 20 years of continuous partnership and loyalty with customers. We have kept the customers we started with. We had managed throughout up and downs in the industry and had provided the solutions required “on time, every time”



Our Company

- ✓ 190 Employees
- ✓ One Shift
- ✓ Two Manufacturing & Assembly Facilities
- ✓ Wire Harness Section A & Section B
- ✓ Led Drivers.
- ✓ Transformers and Toroidal Transformers

Production Area

Harness	Transformers	Magnetics	Available
2,366 ft ²	1,971 ft ²	2,275 ft ²	2,200 ft ² we can get additional space if required.

Total area 14,744 ft²

Business Model

Our vision

- *To be one of the best choices for manufacturing services in México; for customer service, price and quality.*

Our Mission

- *Provide manufacturing services for transformer & magnetic components, wire harnesses, pc boards and electromechanical assembly in full compliance with customer requirements and international quality standards.*

Our values

- *Value and respect dignity of individuals.*
- *Work as a mean for personal achievement.*
- *Loyalty, honesty and justice.*
- *Customer service, attention and satisfaction*



Quality policy

At MAC, we are committed; with our customers, suppliers and environments; in continuously improving their commercial, legal and social requirements, for the manufacture of quality products. Using the objectives established by our Quality Management System and teamwork.

Our Certifications: ISO 9001:2015 CERTIFIED



REGISTRATION CERTIFICATE
Identification code 103/15-23-90-204-MX
Management and International Register S.C.

Initial grant date : January,29,2016 Date of grant by Certification : January,25,2019
Date of expiry : January,29,2019 Date of expiry : January,25,2022

This document certifies the Quality Management System of:
Manufacturing Solutions
Residing in:
Cam. Antigua a Tecate 8401-39 Col. Niños Héroes Este, Tijuana, Baja California C.P. 22120
Which have been evaluated and certified by MIR of Mexico under the following scope:
"Assembly and manufacture of electronic cables and harnesses, inductor, transformers, electronic boards, power supplies and electronic assemblies".

According to the norm:
NMX-CC-9001-IMNC-2015
(ISO 9001:2015)



Alberto Durán Hernández
DIRECTOR GENERAL



ORGANISMO DE CERTIFICACIÓN
ACREDITADO 103/15

Address: Carretera Rio Hinto 18171 7 Rio Tijuana 3ra etapa Baja California C.P. 22226 Email: logistica@miregister.com
Tel. (664) 949 56 31

Revision : No.5



Lead-free



Intertek
Transformers



Automotive Wire Harness Assembly



MAC
Manufacturing S. de R.L.

Complete Assembly by MS for Pro Spot up to 2,000 full assembled units (FG)



PR-200



PR-2



ProPull

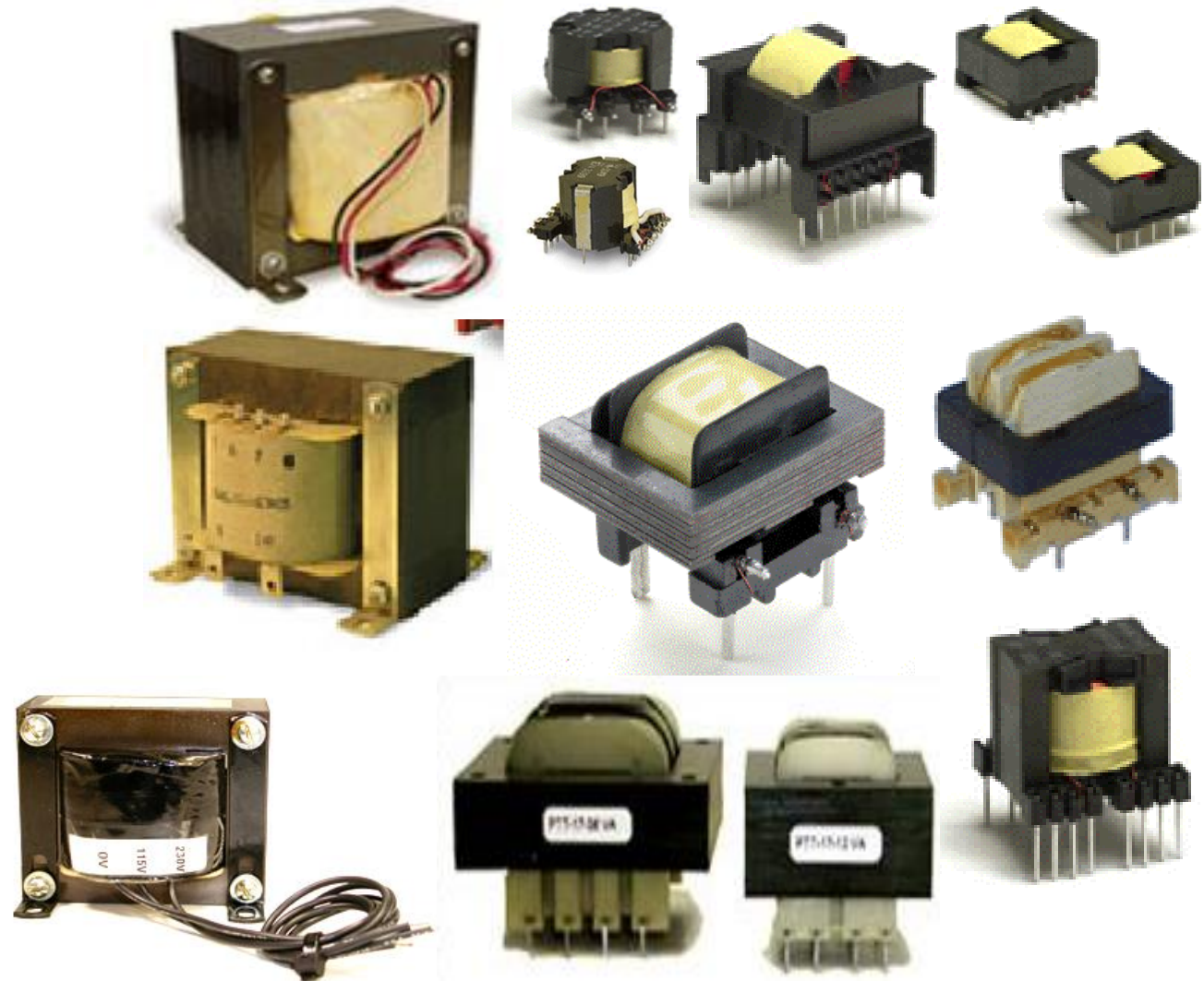


Solutions to Magnetics Manufacturing

- ✓ Pull Winding
- ✓ Hand Winding
- ✓ Inductors
- ✓ Toroid's
- ✓ Chokes

Solutions to Transformers Manufacturing

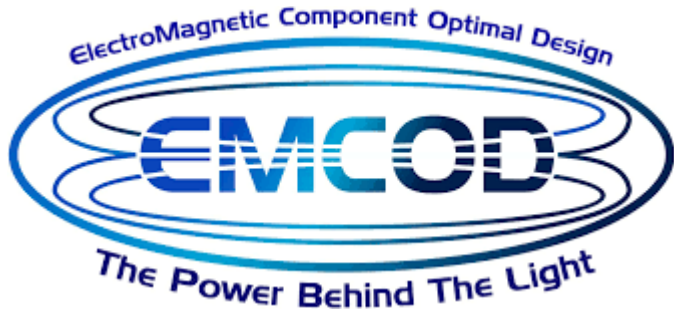
- ✓ EI Lamination
- ✓ E Cores
- ✓ C Cores
- ✓ Pot Cores
- ✓ Thru Hole
- ✓ Surface Mount
- ✓ Rack Mount



Some of our customers



GOWANDA ELECTRONICS



MS Achievements:

1. MS is certified ISO-9001 as of 2005, and currently is certified in ISO9000:2015 version.
2. Increased sensors production from 12k pcs per week to 225k plus pcs. Per week.
3. Assemble sensors for GM, Chrysler, Honda, Nissan, Fiat and Ford. (OZAS NRS2 & S4, ZFAS U3 & S3)



Operation permits

- **IMMEX**
- **Import & Export Permit**
- **PROSEC**
- **VAT & IEPS Certificate**
- **Environmental permit**

Management

Jesus Castañeda **Founder & President**

BS in Electromechanical Engineering and MS in Power Conversion. 40 years of experience in the industry. Held positions as manufacturing engineer and production manager for different harnesses, toroid and transformers manufacturing companies.

Jesus Ayala **General Manager**

20 years of experience in manufacturing operations. Held positions as Production Manager for different companies to manufacture Transformers, Toroid's and harnesses.

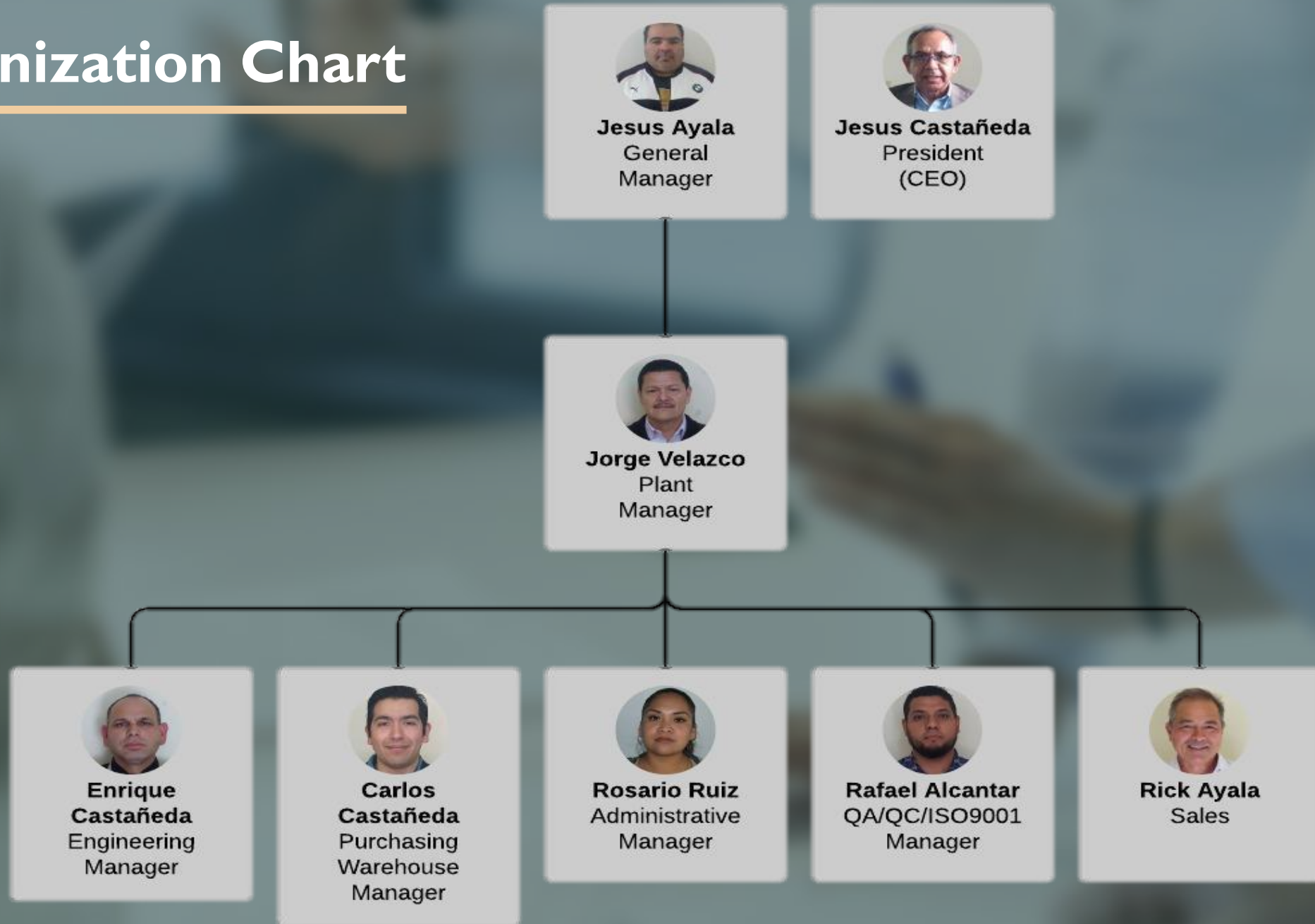
Jorge Velazco **Plant Manager**

32 years of experience in manufacturing operations. Held positions as Production, Engineer and Quality Manager on electronic manufacturing companies (Panasonic, Sanyo, Sony , Samsung, etc.) Black belt 6sigma certification.

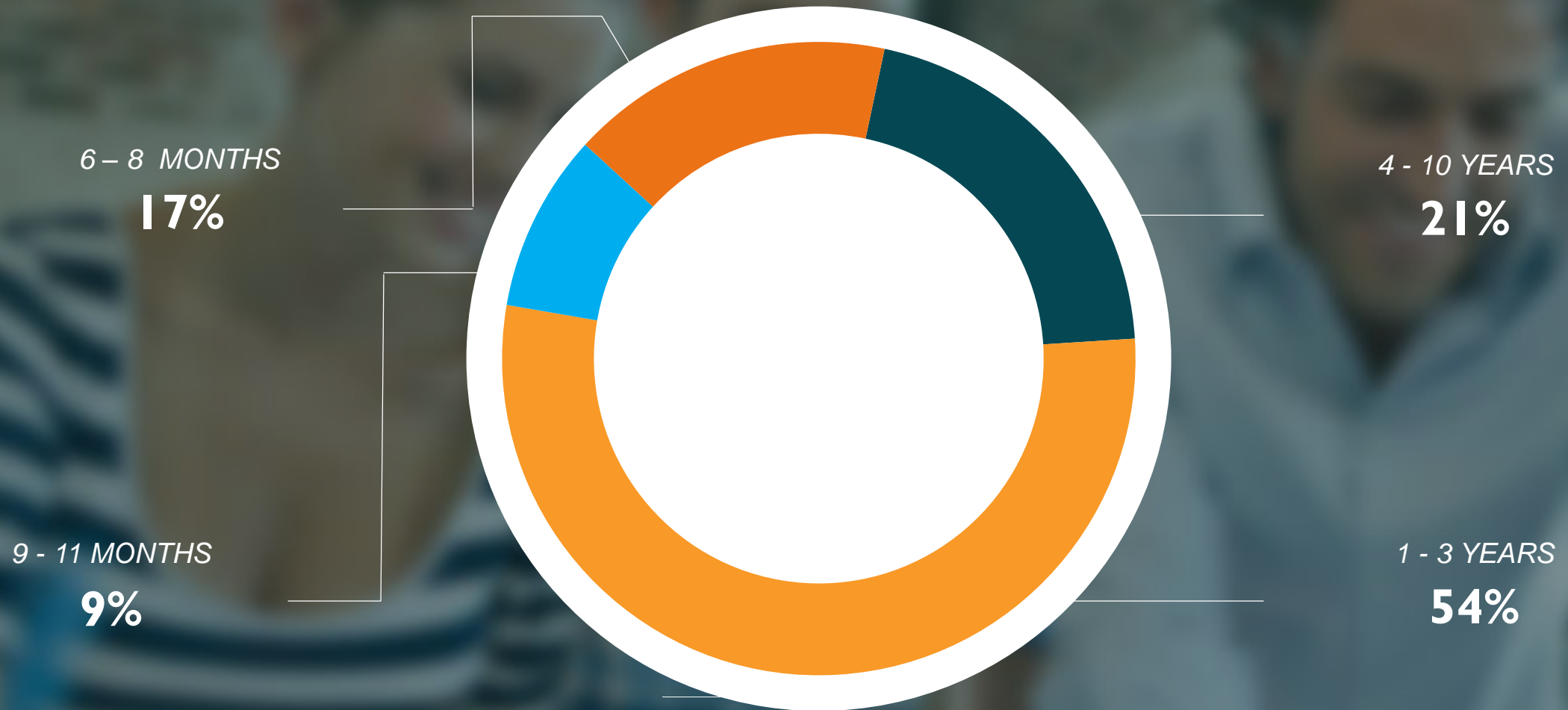
Our staff

- **Jesús Castañeda** **President (CEO)**
- **Jesús Ayala** **General Manager**
- **Jorge Velazco** **Plant Manager**
- **Enrique Castañeda** **Engineering Manager.**
- **Rafael Alcantar** **QA/QC Manager.**
- **Rosario Ruiz** **Administrative Manager.**
- **Carlos Castañeda** **Purchasing and Warehouse Manager**
- **Rick Ayala** **Sales**

Organization Chart

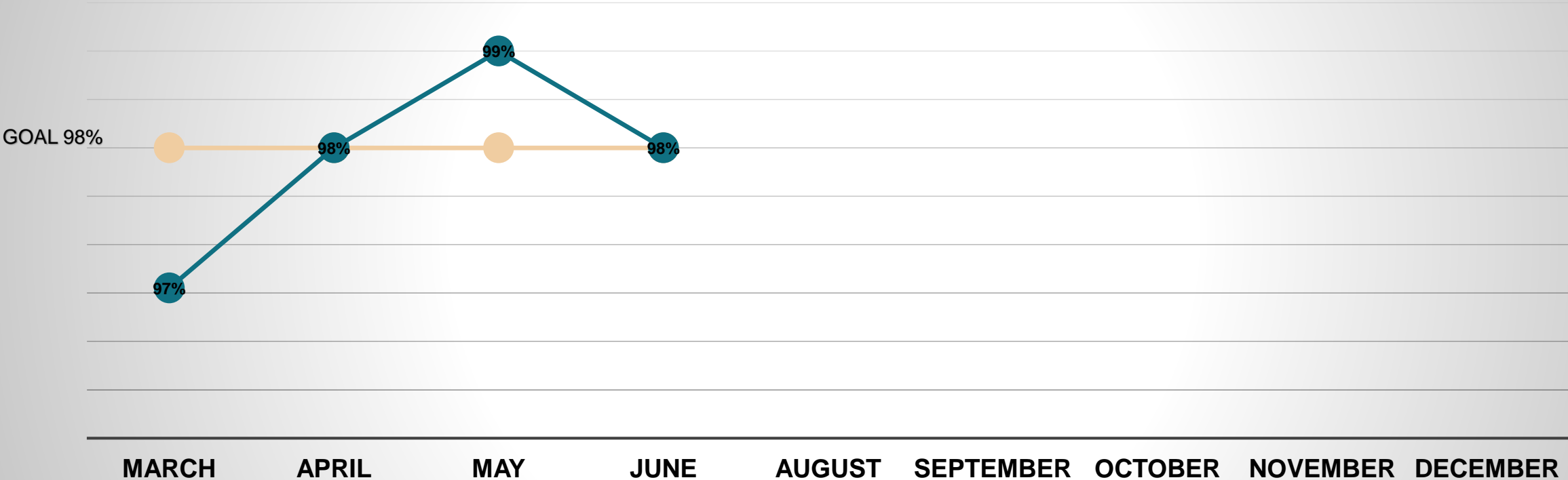


Seniority of employees



Seniority of Employees

SENIORITY OF EMPLOYEES FROM 1-10 YEARS IN MS 2019

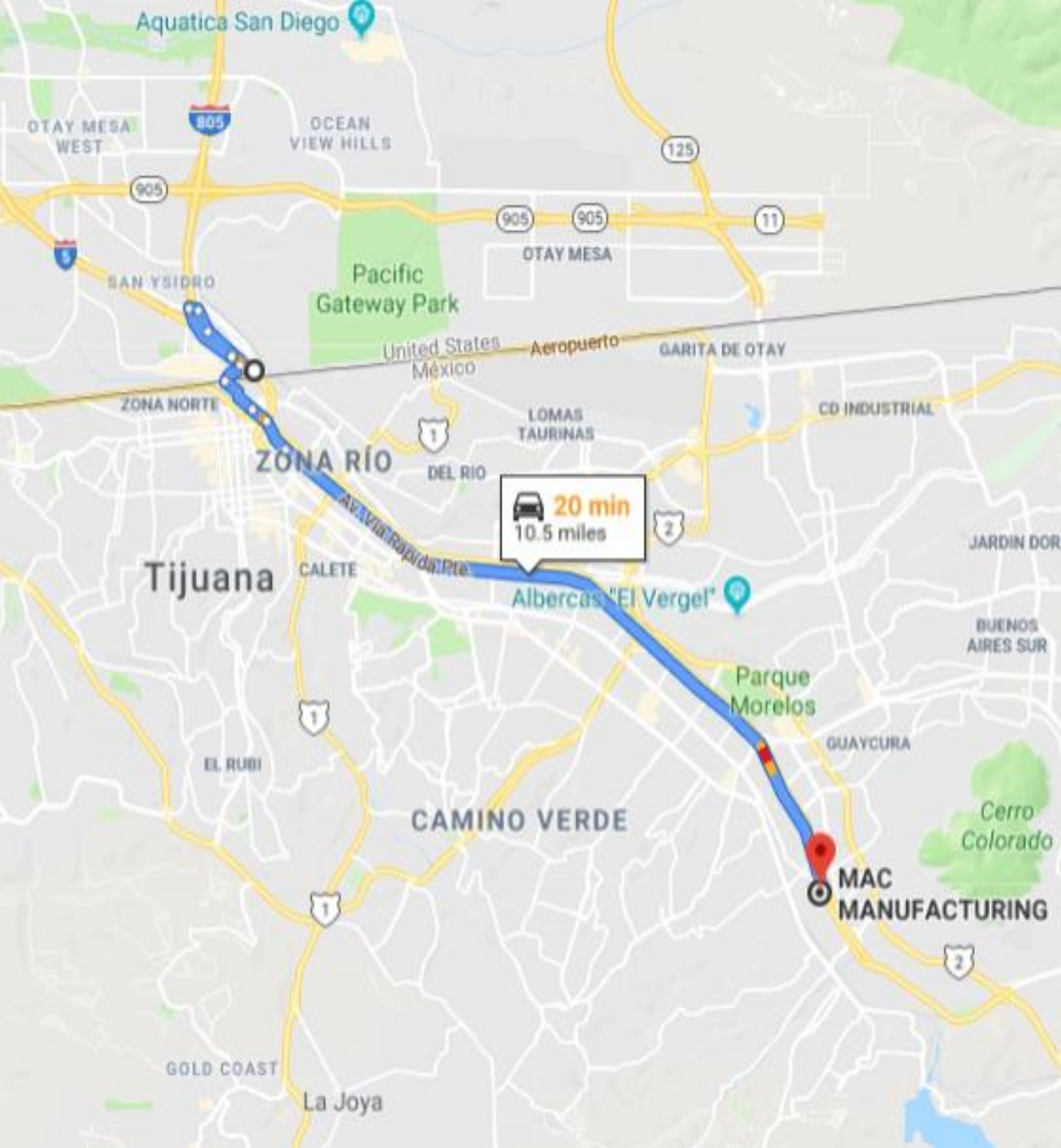


GOAL REAL

Our Capabilities

A woman wearing safety glasses and a grey sleeveless top is working at a workstation in a factory. She is looking at a piece of electronic equipment, possibly a test bench or a control panel. The workstation is cluttered with various electronic components, wires, and papers. In the background, there are shelves with boxes and signs, including one that says "Prueba Eléctrica" and another that says "AREA EXCLUSIVA PARA MATERIAL". The overall environment is industrial and technical.

- We work under Contract Manufacturing
- Quick hiring of staff to adjust to customer requirements
- Elaboration of PPAP'S (FMEA, Flow Chart, W.I.)
- Engineering
- Purchasing
- QA/QC
- Labor intensive
- Import/Export



Located at

**Camino Viejo A Tecate 8401-38 & 39
Niños Héroes Este, 22644,**

Phone: 011-52-664-689-5454

Phone Us: (619)409-2560

Business Hours:

Monday to Friday

7:00 am to 5:00PM

Distribution

- *Shipments are made through the company TRANSPREMAR.*
- *EXPORT DYNAMICS is the Mexican Customs Agency. It has a warehouse in the US to store the products before delivering to its final destination.*
- *M Border Solutions is our US Custom broker.*



Fletes Tijuana- USA
Unidades disponibles

- Panel
- StepVan
- Rabón





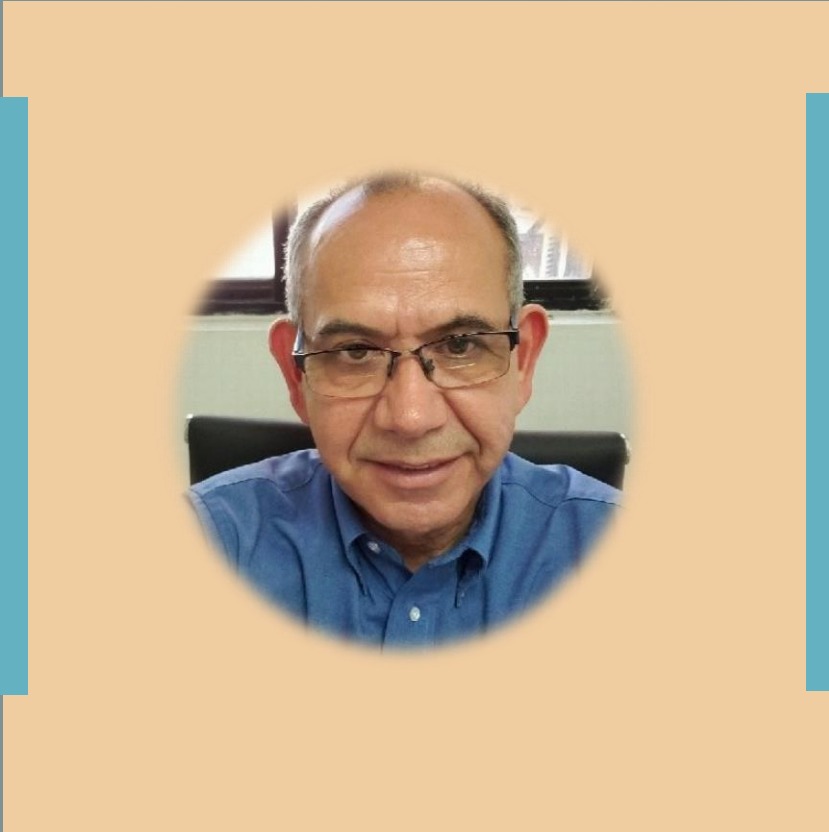
Thank You!

THE TEAM



Jesus Ayala
General Mgr.

j.ayala@mac-manufacturing.com



Jesus Castañeda
Founder & President

j.castaneda@mac-manufacturing.com



Jorge Velazco
Plant Mgr.

j.velazco@mac-manufacturing.com