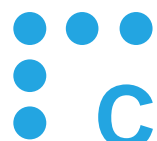




worldwide expertise in  
electromechanical components



**Cebi Industrias Mexico S.A. de C.V.**  
**Huamantla, Tlaxcala**  
**Mexico**



Land: 36,000 sqm





Building: 5,500 sqm

- Manufacturing area: 3,000 sqm
- Warehouse: 1,200 sqm
- Office and support space: 1,300 sqm



178 employees



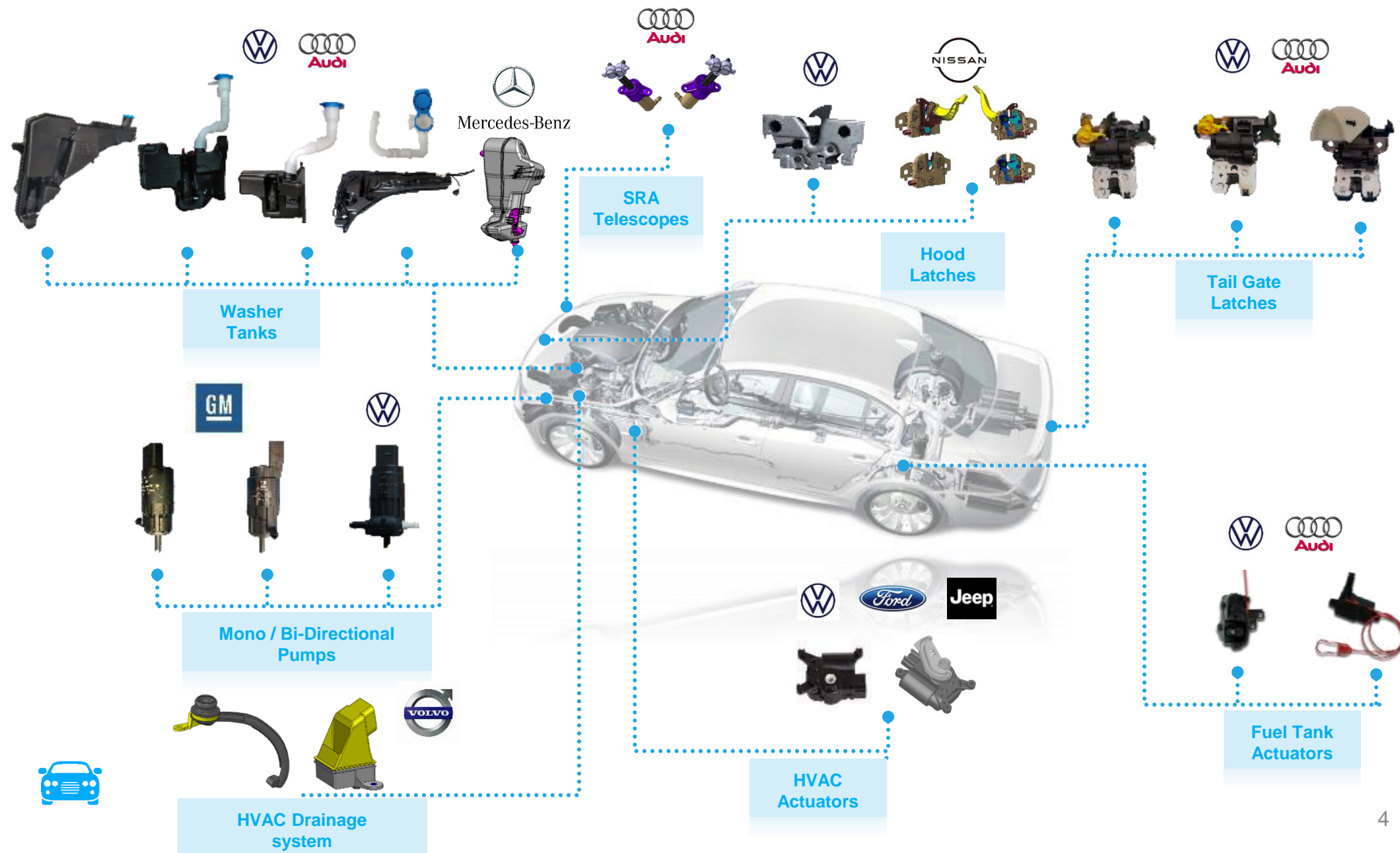
- 80.8%  / 19.1% 
- 74% blue collars / 26% white collars
- 2.2% Trainee Program



- ✓ 36,000 sqm land
- ✓ The terrain is Cebi own property
- ✓ Future expansion planned marked area



# Cebi Mexico Products: Automotive





# Injection Machines Range in Cebi Mexico



110 Tons – Arburg



300 Tons – 600 Tons - Haitian



500 Tons – Suction Blow molding



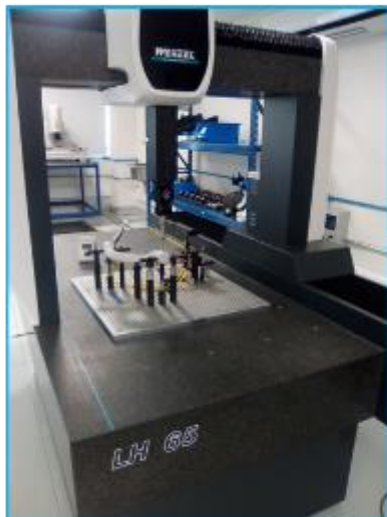
# Resin Types use in Cebi Mexico



- PP
- PP GF30%
- PP/PE
- PP/EPDM
- PBT GF30%
- PA 66
- PA 66 GF 30% (Could be used)
- TPV (Santhoprene)



# Cebi Mexico Engineering Capabilities - Metrology



## Coordinate Measuring Machine (CMM)

### Capable for:

- Touch-trigger probes
- Scanning probes
- Optical / continuous / Indexing probe systems



## Optical Comparator

### Characteristics:

- 19.5x zoom
- Nonlinear compensation
- Advanced lightning
- Part program compatibility



## Sound level meter

### Applications:

- Frequency analysis
- Data logging
- TRF
- Acoustic / signal recording.

## Digital Force Tester

### Abilities:

- Perform tensile test
- Compression force tests
- Display data using graphs
- Touch screen / program storage to perform tests automatically.



## 500 MHz portable oscilloscope

### Characteristics:

- 500 MHz bandwidth
- 2 analog channels
- Sampling rate of 5 GS / s
- Ability to register up to 10 Kp
- USB communication
- Color screen

**Stereoscope**  
Allows:  
Components of small dimensions view  
To capture images and videos  
Via Wi-Fi / SD Card / USB cable





## Advanced Production Standards



- Semi automatic assembly lines for different product families  
Front Hood latches, Tail gate latches, HVAC actuators, Household appliance Thermostats, Windshield washer system, Fuel door actuator, Washer pump
- Injection process for windscreen washer tanks and components
- Blow suction injection process for windscreen washer filler necks
- All technologies aligned with Cebi group global production standards





# Cebi Mexico – Quality Performance



## 0 PPM's / 0 IPB's in Customer Scorecard

### Tier 1

### VWM



Quality Status Brand Volkswagen de Mexico

Month	4/2020	5/2020	6/2020	7/2020	8/2020	9/2020	10/2020	11/2020	12/2020	1/2021	2/2021	3/2021	Sum	4/2021
Incidents	0	0	0	0	0	0	1	0	0	0	0	0	1	0
- reported from Final Vehicle Audit	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sorted by customer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sorted by supplier	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reworked by customer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reworked by supplier	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrap	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return shipping	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parts without problem sheet	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quantity supplied	0	0	10033	129961	72463	90727	116969	69355	69336	92719	90836	88301	830700	0
ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Process and Product Audit

Supplier Name: Cebi Industrias Mexico, S.A. de C.V.  
DUNS: 81-275-0818  
Manufacturer code: A9B  
Address: Huamantla no.15  
90500 Huamantla (MEX)

#### Process Audit

Nr.	Product Group	PG-M	Rating	Ep [%]
2105	assy plastic injection mouldings	VWK-S	A	93%
3671	Linear actuator	VWK-S	A	93%
4401	Door-Bennet-Boot Lid 1 attrition	VWK-S	A	93%

### Evaluation A VDA 6.3 VW

### VWA



Quality Status Brand Volkswagen Group of America

Month	4/2020	5/2020	6/2020	7/2020	8/2020	9/2020	10/2020	11/2020	12/2020	1/2021	2/2021	3/2021	Sum	4/2021
Quantity supplied	0	0	720	1440	2160	1440	2160	2160	1440	1440	1440	2880	17280	0

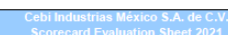
### AUDI



Quality Status Brand Audi

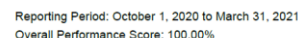
Month	4/2020	5/2020	6/2020	7/2020	8/2020	9/2020	10/2020	11/2020	12/2020	1/2021	2/2021	3/2021	Sum	4/2021
Quantity supplied	240	0	0	31433	40558	32046	41714	26135	27530	4970	26754	26905	258285	7070

## Tier 2

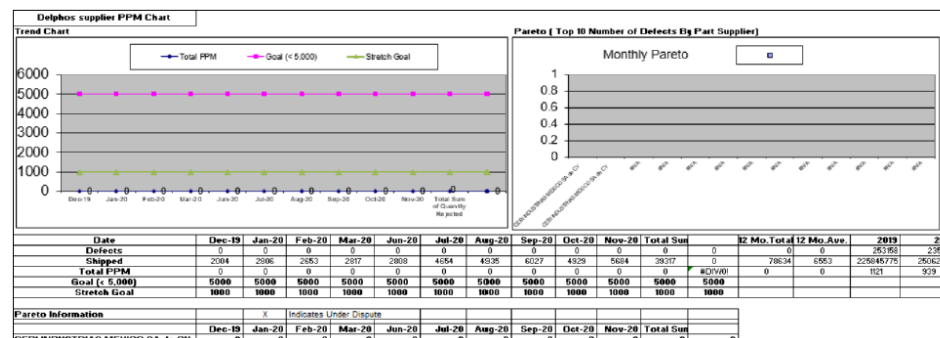


PPM's Chart

Month	PPM's
January	88
February	0
March	0
December	29



Month	Line Interruption	3rd Party Sort	Containment	Line Accumulation
Oct	0.05	0.05	0.05	0.05
Nov	0.05	0.05	0.05	0.05
Dec	0.05	0.05	0.05	0.05
Jan	0.05	0.05	0.9	0.05
Feb	0.05	0.05	0.05	0.9
Mar	0.05	0.05	0.05	0.05



## Others





# Certificates IATF 16949:2016 / Remote Centers



CISQ AUTOMOTIVE  
Consorzio di Organismi di  
Certificazione Italiani del  
sistema di gestione aziendale  
accreditato IATF

**CERTIFICADO N° TS/34801/17**  
**CERTIFICATE No.**

SE CERTIFICA QUE EL SISTEMA DE GESTIÓN DE CALIDAD DE  
IT IS HEREBY CERTIFIED THAT THE QUALITY MANAGEMENT SYSTEM OF

**CEBI INDUSTRIAS MEXICO SA de CV**

CALLE HUAMANTLA 15 - CIUDAD INDUSTRIAL XICHTENCATL II 90500 HUAMANTLA MEXICO

EN LAS SIGUIENTES UNIDADES OPERATIVAS / IN THE FOLLOWING OPERATIONAL UNITS

CALLE HUAMANTLA 15 - CIUDAD INDUSTRIAL XICHTENCATL II 90500 HUAMANTLA MEXICO

LOCALS REMOTOS COMO ANEXO 1 / REMOTE LOCATION AS FOR ANNEX 1

CUMPLE CON LA NORMA Y LOS REQUISITOS DEL ESQUEMA  
IS IN COMPLIANCE WITH THE STANDARD AND THE SCHEME REQUIREMENTS

**IATF 16949:2016**

PARA EL SIGUIENTE CAMPO DE ACTIVIDADES / FOR THE FOLLOWING FIELD(S) OF ACTIVITIES

DISEÑO Y PRODUCCIÓN DE ACTUADORES, DEPÓSITOS DE AGUA, BOMBAS Y CERRADURAS

DESIGN AND PRODUCTION OF ACTUATORS, WATER RESERVOIRS, PUMPS, HOOD AND BOOT LATCH

Habiendo sido evaluado de acuerdo a las Reglas para el esquema de Certificación IATF 16949 - Quinta Edición - Noviembre 2016  
Having been assessed in accordance with "IATF 16949 certification scheme rules - 5th Edition November 2016"

La validez de este certificado depende de las auditorías semestrales / anuales y revisión completa cada tres años del Sistema de Gestión  
The validity of this certificate is dependent on an annual audit and on a complete review, every three years, of the management system

Fecha de emisión / Issue date: 15.03.2021  
Fecha de vencimiento / Expiry date: 14.03.2024

Andrea Aloisio  
Certification Compliance &  
Technical Support, Director

RINA Services S.p.A.  
Via Corsica 12 - 10129 Genova Italy

Consorzio CISQ  
Automotive  
Via Indino 2 - 10129 Genova Italy - 011

El presente certificado de certificación de conformidad con la norma IATF 16949:2016 es válido en cumplimiento con la norma IATF 16949.

Para información relacionada con la validez del certificado, puede consultarse el sitio [www.iatfglobalweight.org](http://www.iatfglobalweight.org)  
For information concerning the validity of the certificate, you can visit site [www.iatfglobalweight.org](http://www.iatfglobalweight.org)

Certificado IATF 16949:2016  
IATF Certificate No. 0380010

CISQ AUTOMOTIVE  
Consorzio di Organismi di  
Certificazione Italiani del  
sistema di gestione aziendale  
accreditato IATF

**ANEXO 1 AL CERTIFICADO N. TS/34801/17**  
**ANNEX 1 TO CERTIFICATE No.**

Organización / Organisation  
**CEBI INDUSTRIAS MEXICO SA de CV**

www.cisqautomotive.it

Dirección sitio / Site address	Tipo de sitio / Actividad / Site type/activity
CEBI MICROMOTORS SWITZERLAND S.A. STRADA CANTONALE, 5 6855 STABIO SVIZZERA	DISEÑO DE PRODUCTOS Y SERVICIOS DE LABORATORIO / PRODUCT DESIGN AND LABORATORY SERVICE
CEBI LUXEMBOURG S.A. RUE J.F. KENNEDY, 7327 STEINSEL LUSSEMBURGO	DISEÑO DE PRODUCTOS, VENTAS Y SERVICIOS DE LABORATORIO / PRODUCT DESIGN, SALES AND LABORATORY SERVICE /
CEBI ITALY S.p.A. VIA IV NOVEMBRE 30, 12025 DRONERO (CN) ITALIA	DISEÑO DE PRODUCTOS Y SERVICIOS DE LABORATORIO / PRODUCT DESIGN AND LABORATORY SERVICE /

Fecha de emisión / Current issue: 15.03.2021  
Fecha de vencimiento / Expiry Date: 14.03.2024

Andrea Aloisio  
Certification Compliance &  
Technical Support, Director

RINA Services S.p.A.  
Via Corsica 12 - 10129 Genova Italy

El presente anexo no será válido si no se encuentra acompañado del certificado  
This annex is not valid without the relevant certificate





# Certificates ISO 9001:2015 / ISO 14001:2015





CISQ is a member of  
**IO-Net**  
www.io-net-certification.com

CISQ, the association of the world's first class certification bodies, is the largest provider of management system certification in the world.  
IO-Net is composed of more than 30 bodies and covers over 100 activities in over the globe.

**CERTIFICATE No. 34801/17/AN**

IT IS HEREBY CERTIFIED THAT THE ENVIRONMENTAL MANAGEMENT SYSTEM OF

**CEBI INDUSTRIAS MEXICO SA de CV**

CALLE HUAMANTLA 15 - CIUDAD INDUSTRIAL XICOHTENCATL II 90500 HUAMANTLA MEXICO

IN THE FOLLOWING OPERATIONAL UNITS

CALLE HUAMANTLA 15 - CIUDAD INDUSTRIAL XICOHTENCATL II 90500 Huamantla MEXICO

IS IN COMPLIANCE WITH THE STANDARD

**ISO 9001:2015**

FOR THE FOLLOWING FIELD(S) OF ACTIVITIES

DISEÑO Y PRODUCCIÓN DE ACTUADORES, DEPÓSITOS DE AGUA, BOMBAS, CERRADURAS Y TERMOSTATOS

The validity of this certificate is dependent on an annual or bi-monthly audit and on a complete review, every three years, of the management system.  
The use and the validity of this certificate are subject to compliance with the RINA document: Rules for the Certification of Environmental Management Systems

First Issue	08.02.2017
Revision date	15.03.2021
Expiry Date	14.03.2024
Renewal/decision date	15.03.2021

Simone Fattrelli  
Certification Americas  
Region, Director

For the issuing office:  
**RINA Brasil Serviços Técnicos Ltda**  
Avenida Oscar Niemeyer, 200 sala 501 Nova Lima MG



Accredited Organization:  
**RINA SERVICES S.p.A., Via Corsica 12 - 10128 Genova ITALY**

CISQ is the Italian Federation of management system Certification Bodies



CISQ is a member of  
**IO-Net**  
www.io-net-certification.com

CISQ, the association of the world's first class certification bodies, is the largest provider of management system certification in the world.  
IO-Net is composed of more than 30 bodies and covers over 100 activities in over the globe.

**CERTIFICADO N° EMS-7227/S**  
**CERTIFICATE No. EMS-7227/S**

Se certifica que el Sistema de Gestión Ambiental de  
it is hereby certified that the Environmental Management System of

**CEBI INDUSTRIAS MEXICO SA de CV**

CALLE HUAMANTLA 15 - CIUDAD INDUSTRIAL XICOHTENCATL II 90500 HUAMANTLA MEXICO

en las siguientes unidades operativas / In the following operational units

CALLE HUAMANTLA 15 - CIUDAD INDUSTRIAL XICOHTENCATL II 90500 Huamantla MEXICO

Cumple con la norma  
is in compliance with the standard

**ISO 14001:2015**

Para el siguiente campo de actividades / For the following field(s) of activities

DISEÑO Y PRODUCCIÓN DE ACTUADORES, DEPÓSITOS DE AGUA, BOMBAS, CERRADURAS Y TERMOSTATOS A TRAVÉS DE LA FASE DE MONTAJE

DESIGN AND PRODUCTION OF ACTUATORS, WATER RESERVOIRS, PUMPS, HOOD AND BOOT LATCHES AND THERMOSTATS THROUGH PHASE OF ASSEMBLY

The validity of this certificate is dependent on an annual or bi-monthly audit and on a complete review, every three years, of the management system.  
The use and the validity of this certificate are subject to compliance with the RINA document: Rules for the Certification of Environmental Management Systems

Primera emisión / First Issue	21.06.2018	Fecha de renovación de la decisión / Renewal/decision date	15.03.2021
Fecha de vencimiento / Expiry Date	20.06.2024	Fecha de revisión / Revision date	15.03.2021

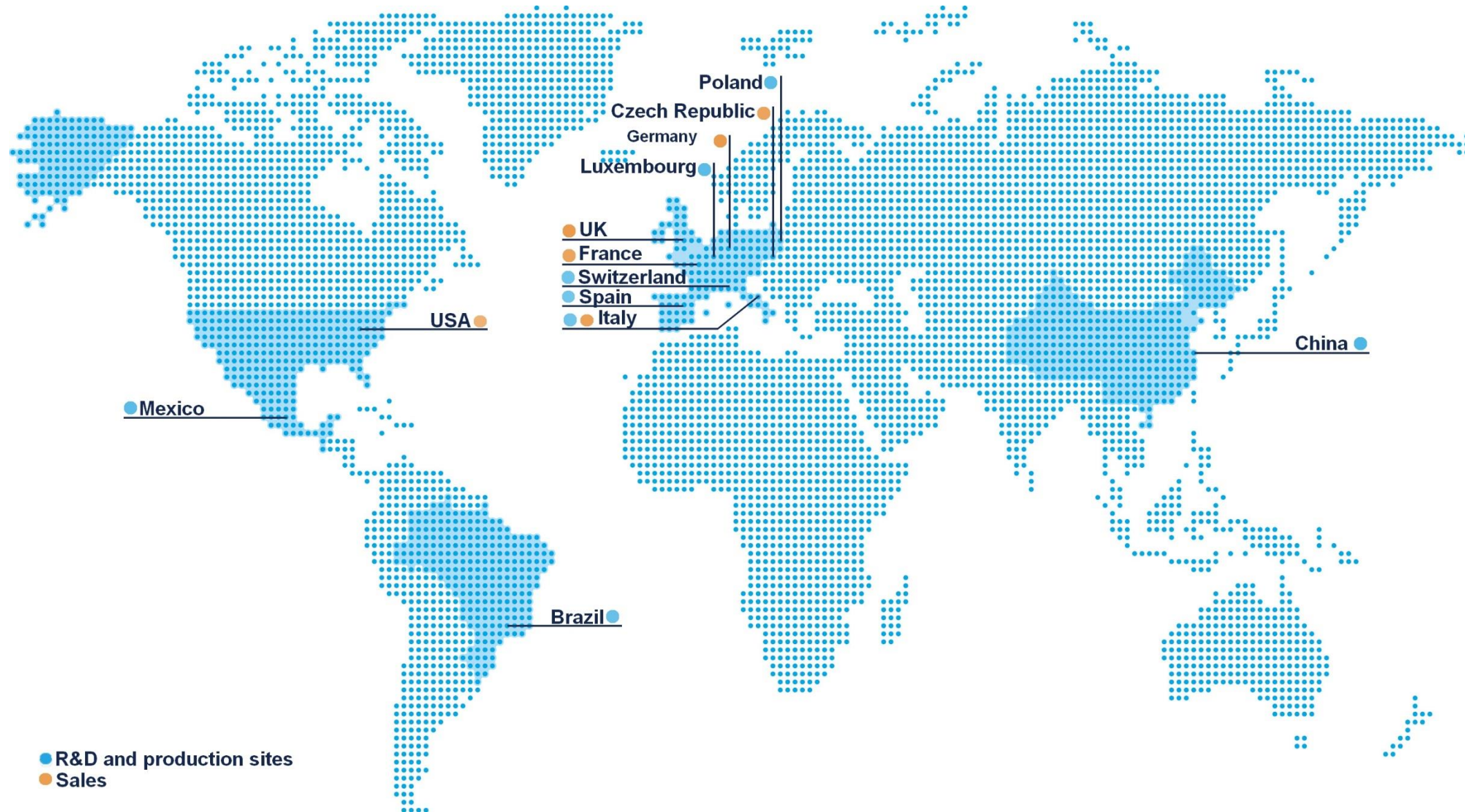
Simone Fattrelli  
Certification Americas  
Region, Director

For the issuing office:  
**RINA Services S.p.A.**  
Via Corsica 12 - 10128 Genova ITALY



CISQ is the Italian Federation of management system Certification Bodies

# Our locations





# Our production locations



*Veggiano (PD), Italy*



*Huamantla (TLA), Mexico*



*Steinsel, Luxembourg*



*Osimo Stazione (AN), Italy*



*Shanghai, China*



*Indaiatuba (SP), Brazil*



*Sosnowiec, Poland*



*Borgo S. Giovanni (LO), Italy*



*Stabio (TI), Switzerland*



*Villatuerta (NA), Spain*



*Bardello (VA), Italy*



*Colleagno (TO), Italy*



# Innovation at heart

**3500** employees in total

**11** production sites

180 000 m<sup>2</sup> covered area

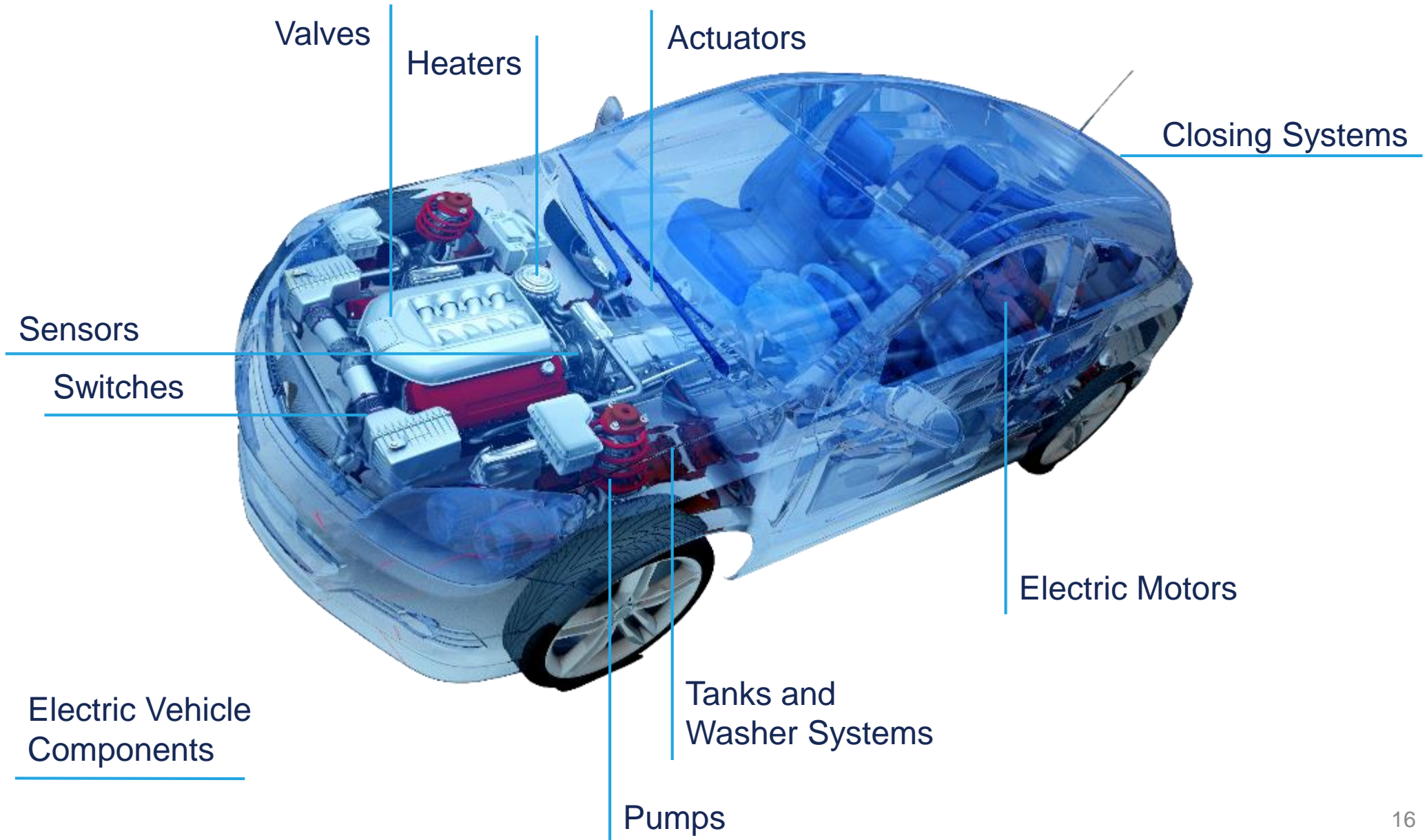
**7** R&D centers

And 300 employees in R&D

**1** Development center for automatic assembly lines

**13** sales offices

# Automotive



# Electric Motors

- Seat Adjustment Motors
- Window Lifter Motors
- Sliding Door Motors
- Trunk Latch Motors



# Closing Systems

- Actuators for Fuel Door and E-charge Module
- Hood Latches
- Tail Gate Latches
- Self-Closing System



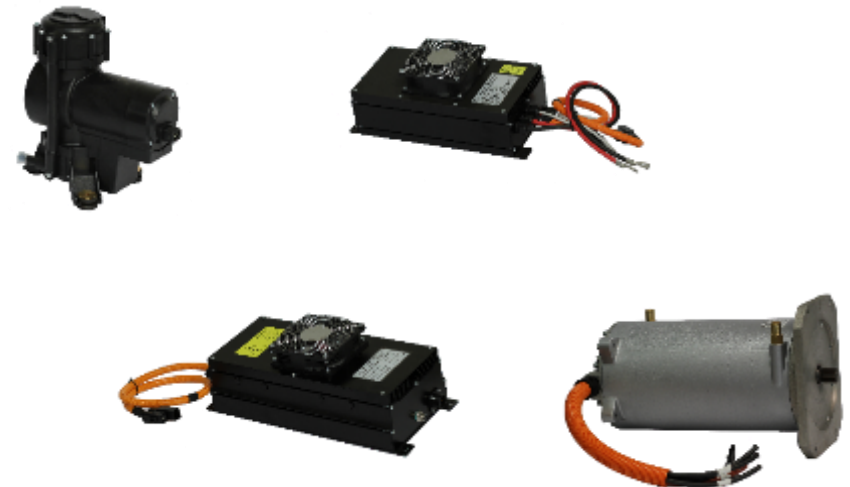


# Actuators

- HVAC Actuators
- Light Shield Actuators
- Headlamp Leveling Actuators
- Active Grill Shutters
- Actuators for fuel Door and E-Charge Module

# Electric Vehicle Components

- Vacuum Pumps
- Battery Chargers
- DC/DC Converters
- Traction Motors



# Sensors

- Water, Diesel and Oil Temperature Sensors
- Cylinder Head temperature Sensors
- Speed and Position Sensors
- Water Presence Sensors
- Air Temperature Sensors
- Level Sensors

# Tanks and washer Systems

- Washer systems
- Flex Fuel Tanks
- Coolant Expansion Tanks
- Brake Fluid Tanks



# Switches

- Oil Pressure Switches
- Temperature Switches
- Differential Pressure Switches



# Pumps

- Circulation Pumps
- Washer Pumps



# Valves

- Overpressure Valves and Non-Return Valves
- Thermostatic Valves



# Heaters

- Diesel Fuel Heaters
- PTC Air Heaters
- Blow-by Heaters





# Technologies

## **Manufacturing technologies**

- Metal stamping and cutting
- Deep drawing
- Aluminum die casting
- Rotor winding
- Injection molding
- Electronics manufacturing
- Heat staking
- Ultrasonic and laser welding

## **Design technologies:**

- Complete product lifecycle management
- Modern analytical tools
- Rapid prototyping
- Electronics and software development
- Fully equipped laboratories for testing and validation





**Thanks for your attention**