

A close-up, artistic photograph of a machine's internal components, specifically focusing on several copper coils. The coils are tightly wound and arranged in a circular pattern, with some in sharp focus and others blurred in the foreground and background. The lighting is dramatic, with a strong blue tint and highlights that emphasize the metallic texture and the complex geometry of the machine parts.

**UNUS** INTERNATIONAL

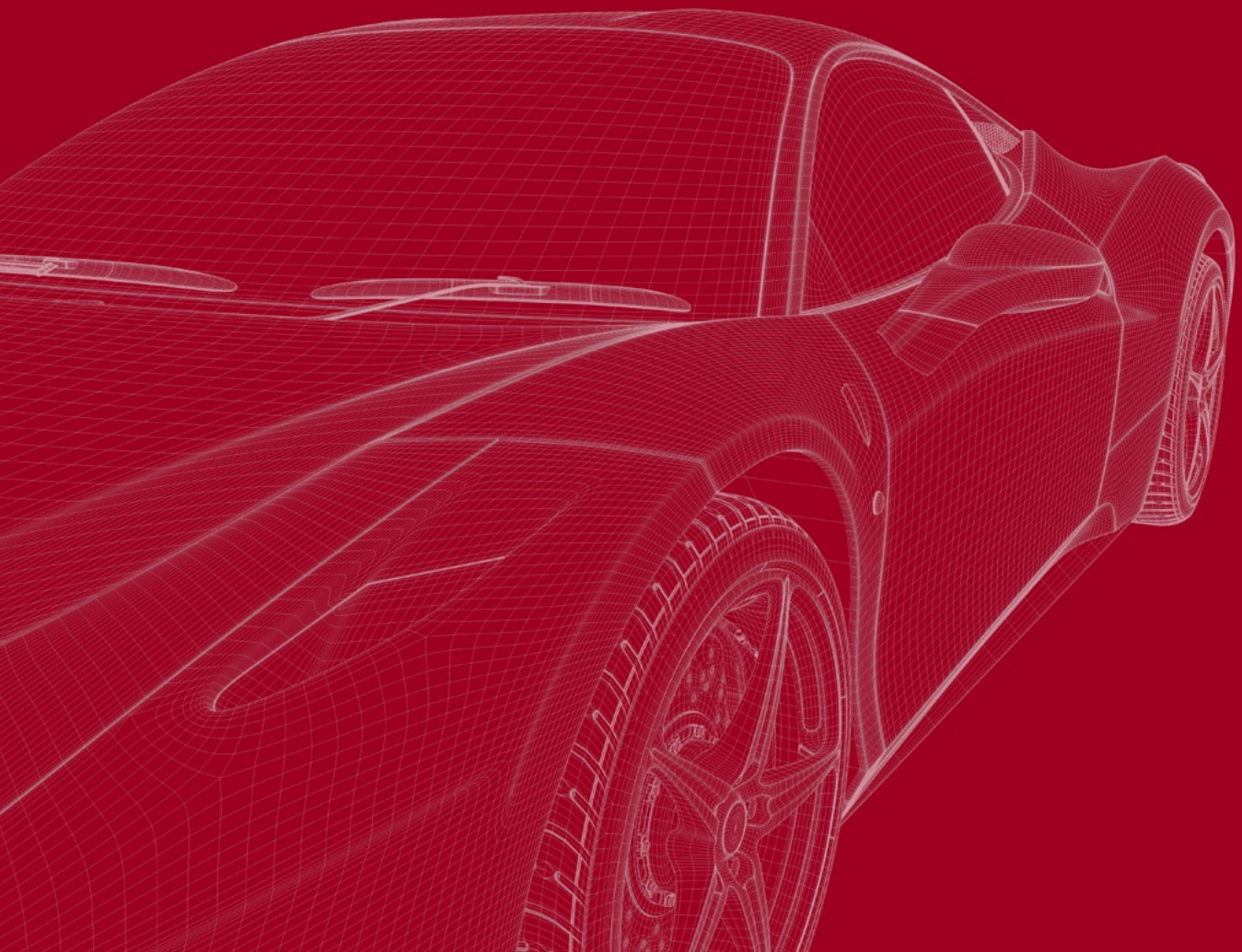
**Your partner  
for the electrification  
of automatic systems**

[www.unus-int.it](http://www.unus-int.it)





# Unus International, the **driving force** of **automation**



Unus International's Mission is to satisfy any need for automation of its interlocutors with the most effective solutions for electric motorisation.

Unus International offers a "tailor-made" design in the field of direct current electric motorization, to meet the most different automation needs.



# Made in Venice that reaches all over the world

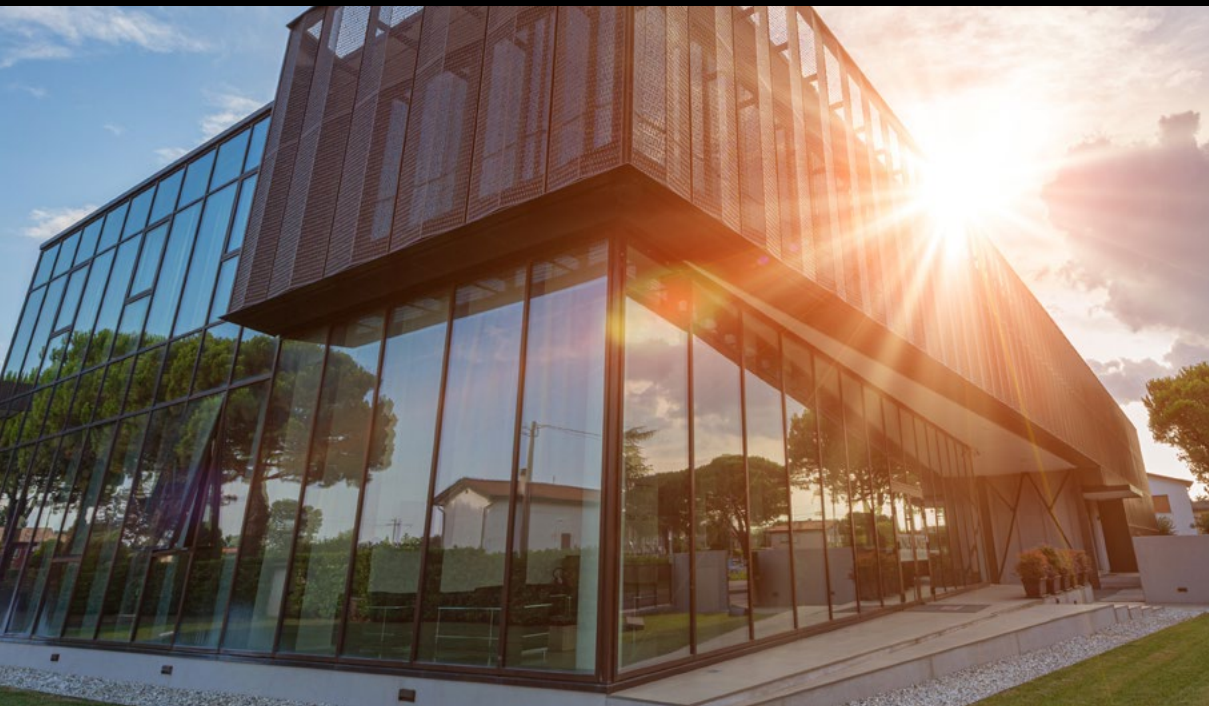
## LET'S GET TO KNOW EACH OTHER BETTER

Unus was founded in 1950 in Padua for the production of bicycle bells; renamed Unus International SpA, in 1986 it began the design and production of D.C. electric motors for the automotive industry. Today, with offices and production plant on an area of about 10,000 square meters in the province of Venice, it employs over 50 people and produces more than 2 million units per year, which are almost entirely exported around the world.

Unus International pay attention to the environment and actively contributes to its protection. Since 2010, two plants have been in operation for the production of electricity from renewable photovoltaic sources that allow the Company to greatly

reduce the need for electricity purchased from the distribution network.

Thanks to the reliability of its products, Unus International has consolidated and strategic industrial relationships at an international level, by virtue of which it is a sub-supplier of the most important car manufacturers in the premium and luxury sector, including the Audi, VW, BMW, Mercedes, Bentley, Lexus and Ford brands. In addition to the aforementioned premium and luxury segments, Unus International also equips industrial vehicles of the Renault, DAF and Daimler groups. In the civil and industrial field, it provides solutions in multiple sectors – wherever there is a need to motorise!



## Our Mission and Vision

### MISSION

**Meet any automation needs of our interlocutors with the most effective solutions for the electric motorisation of handling systems.** The mission we have set ourselves is to support our interlocutors by developing solutions that meet their real needs in the name of maximum effectiveness. We make sure that the customer can fully rely on us to find the most reliable and advanced answer in the field of DC electrification.

### VISION

**Represent the utmost reliability in responding to any need for electrical handling of automation systems: this is Unus's vision.** The vision contains the reason why our organisation was created, it is our dream and our driving force. We want to be a best practice in all sectors of automation, we want to be recognised by the market as a reference company for the solution of any need for electric motorisation of automation systems.



**1950****UNUS S.p.A. is founded.**

Unus SpA, founded in Padua in 1950, at first produces bicycle bells and later directs its production towards electro-pneumatic horns.

**1986****Unus International S.p.A. was established.**

In 1986, the company was named "Unus International SpA" and began the production of DC motors and gearmotors for the automotive industry, especially taking care of the design phase.

**1995****The new Company headquarters is inaugurated.**

In 1995, the headquarters of Unus International was moved to Pianiga (Venice), where the executive offices and the production plant were developed, which take up an area of about 10,000 square meters, producing more than 2 million units per year.

**2007****The Unus Engineering division is created.**

In 2007 UNUS International founded Unus Engineering and Services Srl, to provide design and technological consultancy services as an autonomous business model in favour of other companies thanks to the levels of know-how level achieved over the years.

The added value of Unus Engineering and Services lies in the combination of technical expertise with production experience, which leads to tangible economic savings when moving from the design to the production line.

**2011****The turning point towards alternative energies.**

Since 2011, UNUS INTERNATIONAL has made the "go green" philosophy a concrete commitment: already in that year we produced 152,000KW from photovoltaic sources, thus helping to save 13 tons of oil and avoiding the release of 76 tons of CO2 into the atmosphere.

**2015****Production extension.**

In 2015, the plant in Pianiga was expanded and modernised, reorganising all the spaces in order to allow a more efficient communication between the various bodies.

**2019****Commex Srl is acquired.**

In 2019, Unus International acquired the business unit of COMMEX Srl, thus creating COMMEX Motors, an Italian company specialised in the import of micromotors and gearmotors and in the production of linear actuators. The metrological laboratory for quality verification and the laboratory for the execution of validation tests are strengths of the new company.

# 70 years of continuous growth

Since 1950, Unus has been present in the market to support companies with competence, innovation and reliability: starting from these values, we have

managed over the years to grow together with our customers, creating a solid and established industrial reality in Italy and abroad. Discover our story.



# The sectors in which we operate



## THE DRIVING FORCE OF AUTOMATION

Our experience in DC motors grew in the Automotive sector. Today this know-how is at the service of many other markets, including Industrial and Civil Automation.

This ability to create partnerships in different areas and sectors comes from the mission of Unus International, founded on the desire to support each individual customer, starting from their

needs, through tailor-made projects, regardless of the sector and the type of application for which our solution is to be implemented. Our portfolio also includes “market-neutral” implementations, i.e. electric systems that, starting from the need to solve a specific requirement, are so flexible and adaptable that they can be applied in other areas.

## Automotive

Thanks to our compact and silent electrification systems, we operate alongside the main global brands in the automotive sector: a partnership that has been lasting for over thirty years.

## Civil and Industrial Automation

The applications that need electrification in the Civil and Industrial Industrial Automation sector are truly endless: from packaging machinery to photovoltaic panels, from goldsmithing machinery to animal feeders. For all, Unus International can be your partner with the right solution.

## Other Applications

It would not be possible to list all the sectors in which Unus motors can be applied: this is because our attitude for tailor-made product means that there is no challenge that we do not know how to face.





# Our achievements

## CASE STUDIES

Responding to the specific needs of our customers, Unus tailor-made products are born. We create customized solutions: each new implementation is a challenge to meet the needs of our customers. That is why Unus International does not have a catalogue, but rather a constantly updated collection of case studies available on the website. In many cases, the result of the project developed by the

Unus International technical team goes beyond expectations, solving needs that are wider than the customer's initially outlined requirements: This is where a single implementation becomes a 'model' applicable to new destinations of use.

Find out more at [unus-int.it](https://www.unus-int.it)



# Unus engineering

**Unus Engineering** is design consultancy in the electromechanical field, production organisation, quality systems, materials and technology.

In 2007, Unus International founded Unus Engineering and Services Srl to provide design and technological consultancy services. The reason for this choice is due to the fact that our Company has reached considerable levels of know-how that have led other Companies to request

consulting activities for them. Therefore, in order to provide these services in maximum autonomy and efficiency, a team has been created with a different and totally autonomous business model.



## FROM DESIGN TO THE PRODUCTION CHAIN WITH THE SUPPORT OF UNUS.

The added value of Unus Engineering and Services lies in the combination of technical expertise with production experience which leads to tangible economic savings when moving from the design to the production line.



## OUR PROCESS

### 01 Analysis of the request

For Unus, the consulting approach is a guarantee of results: we always start from understanding and analysing the needs of our interlocutors, because each of our projects is tailor-made. Our added value is the ability to identify specific needs and transform them into a design that fits perfectly with the context of use.

### 02 Estimation and timing

Detailed planning of all development phases is essential for the start of all activities. Once the scenario is framed, we are able to define the costs that determine the sustainability and feasibility of the project for the customer. Defining them accurately and complying with them is our commitment.

### 03 Design and prototyping

The design and prototyping phase is at the heart of the Unus implementation process. Thanks to our technologies and know-how, we are able to overcome the challenges represented by the needs of our stakeholders. The design takes place with the help of the most modern calculation, verification and simulation tools, providing for FMEA analysis and reviews in which both customers and suppliers are involved. Functional prototypes can be made in a short time, using 3D printers and CNC machining.

### 04 Testing and production phase

All new products are subjected to validation tests by our laboratory, able to perform the various tests required by the customer's specifications. Similarly with regard to the production process, tested and validated with the production of small pre-series. Only at the end of the two phases above with positive results can the start of series production take place. Process optimisation, quality verification and respect for timelines are the key factors.



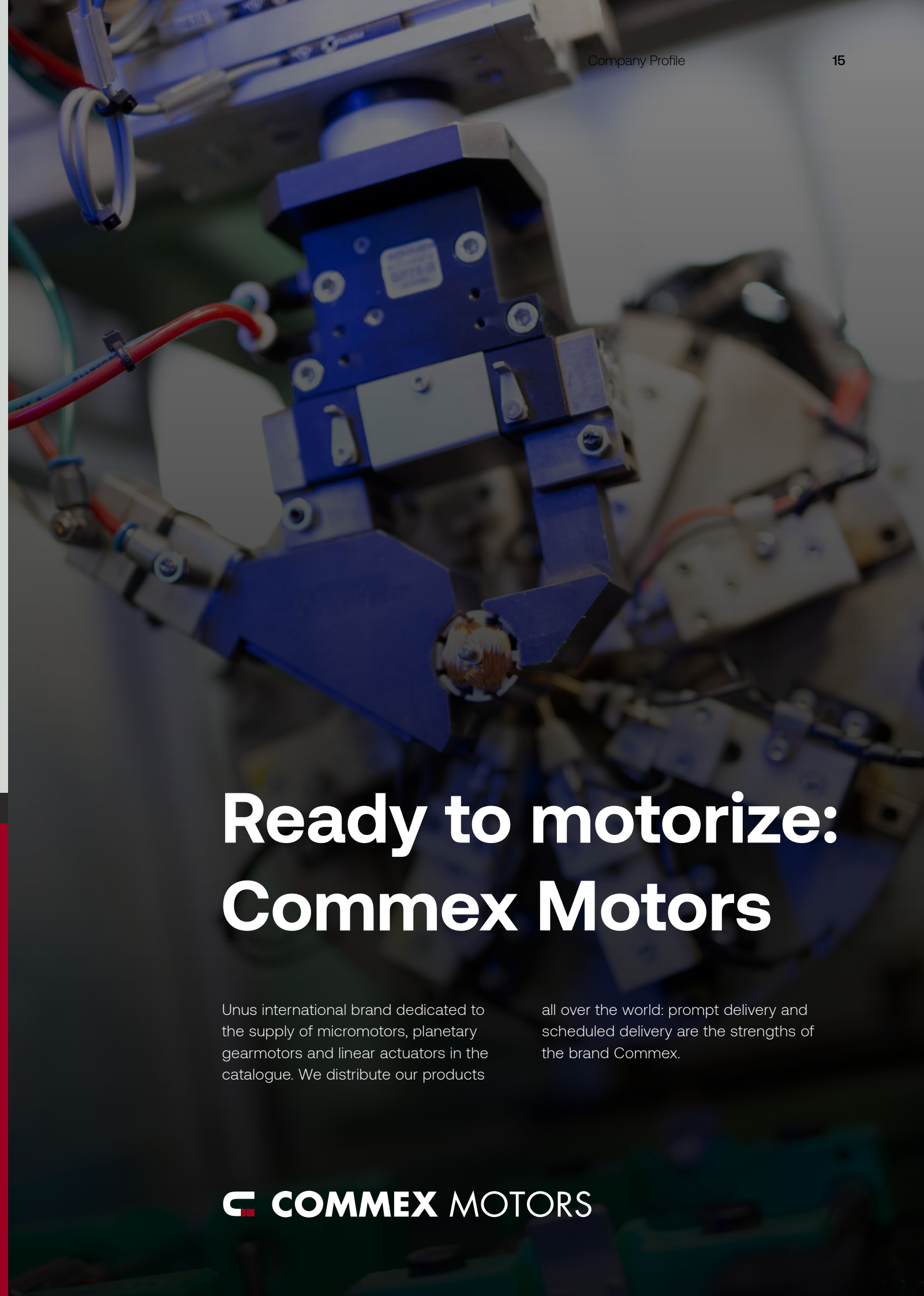


# Unus International Gruppo

## GLOBAL SOLUTIONS

Unus International Group, with the brands Unus and Commex Motors, is the unique reference for any kind of electric motorization project. With offices and a production plant covering an area of approximately 10,000 square meters, Unus International employs over 50 people and produces more than 2 million units / year.

From tailor-made productions for the most specific future technological challenges to the research, selection and distribution of electric motors for any kind of application, Unus International Group is a single, solid, and competent contact for the motorization of automations all the sectors and markets can rely on.



## Ready to motorize: Commex Motors

Unus international brand dedicated to the supply of micromotors, planetary gearmotors and linear actuators in the catalogue. We distribute our products

all over the world: prompt delivery and scheduled delivery are the strengths of the brand Commex.

 **COMMEX MOTORS**



# Quality and safety

The Unus International Quality Assurance System is ISO 9001:2015 and IATF 16949:2016 certified and is subject to periodic monitoring by certification bodies as well as constant supervision by our customers' car manufacturers. The Company is also certified according to ISO 45001:2018 and ISO 14001:2015 standard to confirm the high safety standards present in the operational headquarters and the care for the environment.

## WE CONTROL OUR MOTORS 100%

For our Company, Quality is understood both as a management system and as a monitoring of the quality level of the product, it is considered an asset of fundamental importance. The technical staff employed in the Quality Assurance department is composed of senior operators who have many years of experience in the various fields of mechanics, from mechanical processing to plastic moulding and metal alloys, up to sintering.

Quality oversees all company processes, in particular those related to the development and implementation of new products.

Starting from the receipt of the specifications by the Customers, the projects are developed thanks to the use of FMEA techniques and verified by means of scrupulous validation tests, carried out in accordance with the test specifications of the most famous car manufacturers, with 100% checks carried out on the production line. Our metrological laboratory uses among others the following instruments: 3D CMM machine, optical meter, roundness measurement instrument, gear inspection system, roughness tester.

In addition to this, we also regularly and continuously check the production processes of our suppliers according to the same quality standards as our company.



PORSCHE

IVECO

DAIMLER



Get in touch with the UNUS International team: through our consulting approach we will be able to find the best solution based on your needs and characteristics.



If you have an **automation project** that needs **electric motorisation**, we're at your disposal to **analyze it**.

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