ORANGE1
ELECTRIC MOTORS

Company Profile

ORANGE1 ELECTRIC MOTORS

Member of ORANGE1 HOLDING

Welcome to ORANGE1 World

Orange1 Holding is european leader in designing and manufacturing of **Electric Motors**, **Windings**, **Aluminium Foundry** and **Turning Parts**

A strong, dynamic and ambitious group.

Orange1 Holding is an international renown Group, one of the most important European manufacturer of single-phase and three-phase asynchronous electric motors, foundry and turning parts.

Present in over 70 countries the group annually produces over 1 million single-phase and three-phase asynchronous motors, 5 million windings for asynchronous motors, 60,000 drives for electric motors, 12.500 tons of die-cast aluminum and over 12 million high precision turning parts for the automotive sector.

The group, established in 1971 by Leone Donazzan, chaired today by his son Armando Donazzan, is strongly focused on technological innovation, performance and customization to meet individual clients requirements.

OUR PHILOSOPHY

CREATIVITY

We strongly believe that imagination is the engine that opens up new avenues for innovation. We take care of the details, we want to stand out for our originality, because we believe in the art of making the difference.

PASSION

We carry out our work with passion, because passion is the engine that moves the world. We work with dedication and joy, we believe in what we do, we believe that what we do is unique.

AUDACITY

Our goals are important and our projects ambitious; we are convinced that daring dreams are the indispensable fuel for the engine of doing.

SPEED

We are committed to riding the time and we must keep our beliefs. There is no room for hesitations, we move decisively between the gears of an increasingly complex market.

Elettromeccanica Leone Donazzan was founded in 1970 in Bassano del Grappa. In 1983 the company was transformed into Eld Spa. In 1998 Armando Donazzan took over the management of the company and thanks to his determination and intuition he applied new financial and commercial policies that increased the reliability and visibility levels. In March 2006 the company changed its name to EME Spa and finally became Orange1 Electric Motors in 2018.
The goal of O1EM is to produce motors which are tailored to meet the customers and market expectations. The production covers a wide range of AC and DC motors, as well as brushless motors and variable frequency units. This is to provide a total solution.

PRODUCTION PLANTS

LOCATION	MOTORS PRODUCTION
ARSIÈ - ITALY 32030 (BL) Via A. Messedaglia 4	SINGLE AND THREE PHASE MOTORS HOLLOW SHAFT MOTORS IE2 AND IE3 MOTORS INVERTER AND MOTORINVERTER
S. MAURO PASCOLI - ITALY 47030 (FC) Via A. Grandi 23	GRADUAL BRAKE MOTORS HIGH TORQUE BRAKE MOTORS LOW CENTER MOTORS MOTORS FOR BURNERS
PARMA - ITALY 43122 (PR) Via Mantova 93	ATEX MOTORS HYDRAULIC MOTORS ENCAPSULATED WATERPROOF MOTORS OIL SUBMERGED MOTORS

INDUSTRY FOCUS

- Electric motors for Machine Manufacturers
- Committed to the success of our customers
- Customized products for OEMs and END USERS
- More than 85% of our products are exported by direct and indirects sales
- Operating in more than 70 countries worldwide
- Ever-expanding Sales and After Sales wordwide network
- Service for Electric Motors

MADE IN ITALY
RELIABILITY & DURABILITY
CUSTOMER CARE
SERVICE
HIGH LEVEL OF CUSTOMIZATION
WIDE RANGE OF MOTORS
SHORT TIME OF DELIVERY
APPLICATIONS KNOW-HOW

STRENGTHS

APPLICATIONS

GARAGE EQUIPMENTS
BUILDING
AIR COMPRESSORS
HIGH PRESSURE CLEANERS
PUMPS
MISTING
WOOD & GLASS
ELEVATORS
POULTRY EQUIPMENTS
SNOW GUNS
VENTILATION
RAILWAY BUSINESS
SWIMMING POOL & SPA
HYDRAULIC
CHEMICAL INDUSTRY

#WEAREPASSION

We look to the future, to anticipate customer needs.

Soul, Heart and Brain committed to creating real value for our customers and for ourselves. Our motto is “We Are Passion” in order to win the most passionate challenge:
Anticipating the needs of our customers. The company’s mission is to create a real value for customers by considering their prospects and fulfilling their expectations.
Orange1 Holding defines itself as a “Manufacturer of Solutions”. How to drive over time? Orange1 moves on by acting without hesitation to be the first in the development of the industry.

RESEARCH & DEVELOPMENT

The R&D Department is a strategic advantage for the Group.

The design and development of new products is a crucial factor in an industrial society that is constantly evolving with technological innovations and competitors. Business strategies and choices are in fact extensive technological research, a desire to emerge and a high level of originality. Orange1 products are suitable for customers and market needs despite the high level of customization. The launch of a new product is nothing more than the conclusion of an in-depth market analysis. Focusing on flexibility, Orange1 Group responds to customer demands by designing custom models for special applications. This allows us to stand out thanks to remarkable technological developments.

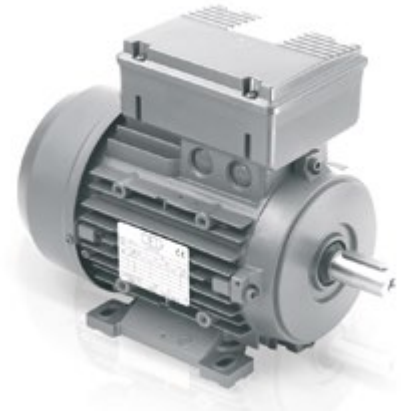
A TEAM OF 26 SPECIALIZED DESIGNER
High technical skill and competence centers for mechanical and electromagnetic design.

STANDARDS AND CERTIFICATIONS

The Group is certified ISO 9001:2015

Orange1 is always committed to implementing existing standards and strives to maintain high levels of service and quality. Orange1 acquired the following certification to meet the requirements of each country and to increase customer satisfaction.

PRODUCT RANGE - *Single phase and Three Phase Motors*



Single Phase
Asynchronous Motors

We manufacture single phase motors with permanent capacitor or with run capacitor and start capacitor equipped with centrifugal or electronic switch. Motors range from IEC 56 up to IEC 100 frame size in aluminum housing in 2-4-6 poles. Mountings in B3-B5-B14-B3/B5 –B3/B14.
The motors can be offered with UL/CSA approval on demand.

Three Phase
Asynchronous Motors

Three-phase motors at one or two speeds manufactured to different specifications required by the customers.
Available in 2-4-6-8 poles from 0.09 kW up to 30 kW, in aluminum housing IEC 56 up to IEC 180.
The motors can be offered with UL/CSA approval on demand.

IE2 and IE3 High efficiency
Asynchronous Motors

We are constantly looking for new ways to achieve high performance and meet the requirements for effective energy savings.
Motors are available from 80 to size 180, in 2-4-6 poles in continuous service 0.75 kW up to 40 kW, in extruded or cast aluminium housing.
Mountings available in B3-B5-B14-B3/B5 -B3/B14.

SR Series
Sinchronous Reluctance Motors

IE4 Super Premium Efficiency Motor. It has been designed to achieve maximum efficiency and energy savings under variable speed and partial load conditions. This series has zero rotor losses because it has no windings. The stator is available with IEC standard mechanical parts to ensure the compatibility with standard asynchronous motors or dirty rolled motors sheets to further reduce engine losses. Available in various frames with powers from 0.5 to 750kW.
Insulation class F or H, protection rating IP23 - IP54 - IP55, cooling Method IC06 - IC416 - IC411.

Atex Ex db
Motors

Motors that comply with the essential health and safety requirements for potentially explosive environments according to European standards.
Asynchronous three-phase and single-phase motors with single and double speed. Fully modular aluminium motors with removable feet and flanges. Fireproof housings for Zone1 - 2 - 21 - 22 .
Available from size IEC56 to IEC180.

Atex Ex eb
Motors

Increased Safety motors that are used in surface installations in explosive environments.
Available in single-phase and three-phase versions with single and double speed, from size IEC56 to size IEC160.

Atex Ex ec
Motors

Non-sparking engines to be used in an area which is classified by the presence of an explosive atmosphere and which rarely occurs in normal operation and in a short period.
Available in single-phase and three-phase versions, single and double speed, from size IEC56 to size IEC160.

Atex Ex db eb
Motors

These motors combine the fireproof casing of the Ex d with the enhanced safety of the Ex e.
They have been designed to be used in explosive environments.
Available in single-phase and three-phase versions, single and double speed, from size IEC56 to size IEC180.

Gradual Brake
Motors (FPC)

These motors are equipped with brakes and offer a gradual and silent stop of the moving parts, in accordance with the safety regulation at the workplace.
The motors are made in single-phase and three-phase, single or double speed, 2-4-6-8 poles from 0.13 kW up to 18.5 kW.
IE3 efficiency, IE3 approved, is available on request.

High Torque brake
Motors (FHC-FHA)

Suitable for the applications where sudden and precise braking is required. Available with DC or Ac brake, single-phase or three-phase, single or double speed in 2-4-6 and 8 poles up to 30 kW with different customized settings. UL approval on request.

Low Centre
Motors

This range of motors is used in applications where high power is combined to a low centre. Available with blade discs or flanges.
Special arrangements with collet chuck shafts end on demand.
Motors are made for inverter duty in 2 and 4 pole single and three phase.
Available with Gradual brake and /or UL approval from 0,25 kW up to 15 kW

Hollow Shaft
Motors

High pressure pump motors with hollow shafts that are designed for direct coupling and to achieve perfect alignment between the electric motor and most hydraulic pumps.
These motors guarantee high performance, reliability and efficiency.
Available in single-phase and three-phase, standard or with elastic coupling on request IE2

Motors for
Burners

These motors are designed for gas and fuel burners, hot air generators and drying ovens. They have small dimensions and greater protection.
from IP20 to IP55 in insulation class F or H. They can be coupled to different flanges depending on the power.
On request they are available with a double shaft configuration and flexible fitting to be applied directly to the pump.

Hydraulic pumps
Motors

The Powerpack range is made for Oil hydraulic applications.
It has a flange and a shaft which are specially designed for the motor direct coupling to the pump. No additional flanges or bell interfaces are needed.
The square flange corresponds to all pump body standards.
The shaft can be customized and hardened.

Encapsulated
Water Proof Motors

We have developed a process by using a special resin that makes the electric internal parts of the motors completely waterproof. The motors are resistant to the most hostile environments in terms of water and humidity. All the motors of our range can be manufactured with this technology and with no restrictions.

Oil Submerged
Motors

This range of motors is designed to operate under hydraulic oil and can be used directly coupled to hydraulic pumps.
The power supply unit is completely immersed in the oil tank. Flange and shaft are coupled with the most common hydraulic gear pumps.

Custom Made
Motors

Our Group is well known in the market of electric motors for the wide range of customized special motors we produce.
Customizations refer to mechanical functions, electrical performance, voltages and frequencies. We develop solutions for these motors by engineering with our customers. Our custom made motors are in line with the applications and specifications of the market.

ORANGE1 RACING - SPORT PROJECT

ORANGE1 & SIMONE CAMPEDELLI: A STORY OF PASSION FOR RALLY

Year 2015, Monza Circuit - our President Armando Donazzan and Simone Campedelli had a friendly day, speaking about their car passion. After this meeting Simone Campedelli won San Marino Rally, but he couldn't continue because he was without a sponsor. Armando decided to be the main sponsor for Simone Campedelli because he understood his passion, his talent and he really believe in young people because "they are our future" - he usually says. From this point started the friendship and sponsorship to Rally, embracing Simone's passion.
After many years and many victories and important goals achieved together both in italy and europe, Simone alongside Tania Canton won the Italian Asphalt Championship in 2022 and they repeated themselves by winning the C.I.R.A. Rally title "back to back" in 2023.
In 2024 Simone and Tania become Italian IRC Champions, winning another international title with Orange1.
For the 2026 season, our crew will compete behind the wheel of a factory Toyota Yaris Rally2 in the CIAR and IRC championships.

LORENZO PATRESE

ANDREA CALDARELLI

NICOLAS COVATTI

A RUNNING SUCCESS SINCE 2016

Passion, speed, enthusiasm, focused on results. With these assumptions, Orange1 Holding, led by Armando Donazzan, inaugurated the RACING division in 2016, where the motors become even more protagonists, where the entrepreneurial courage, the strenght of the President and the economic and commercial power of the Holding have even more voice.
In 2018 and 2019, Orange1 Team GRT made history as the first Lamborghini team to win the prestigious 24 Hours of Daytona, securing an extraordinary back-to-back victory. Building on this momentum, 2019 saw the start of a three-year partnership with FFF Racing Team, a collaboration that delivered a historic triple title in its debut season.
After winning many titles, Orange1 Racing went to compete in the Fanatec GT World Challenge Europe alongside Audi Sport and Tresor Competition from 2023 to 2025, conquering the GTWC Sprint drivers title.
Orange1 Racing's racing adventure continues into 2026, supporting three incredible talents: the young Lorenzo Patrese in IMSA and GTWC with Ferrari, our veteran ambassador and Lamborghini Factory Driver Andrea Caldarelli (IMSA), and our newest addition, Speedway multi-champion Nicolas Covatti.

ORANGE1 HOLDING - SOCIAL PROJECTS

ORANGE1 FOR PEOPLE FOUNDATION - PUT THE YOUTH FIRST

ORANGE1 FOR PEOPLE FOUNDATION wants to unite those who wish to do so in a long-term project and not an end in itself, believing that this is the only way to create projects that can make a real contribution to the community. The Foundation's logo incorporates part of the name of the family business, Orange1 Holding, which has grown a lot over the years, allowing us to generate more than 1,000 job opportunities. We came up with the idea of creating a logo that encapsulates the essence of our identity and the profound meaning of the project that we started with passion and that we wish to continue with the support of all those who share our same values and objectives.
Our foundation is driven by passion and determination to improve the quality of life, with the aim of empowering young people to live a better future. Our values are the key to realising our mission.

ORANGE1 BASKET BASSANO - THE FUTURE OF BASKETBALL IS HERE

Our club has always been the point of reference for basketball in the entire Veneto region and Italy. Orange1 Basket Bassano is a project and a training path born in 2004 for young people all over the world who have the tenacity and characteristics to become professionals through basketball. Thanks to it, their goal is to reach a first-level human and academic development. Our mission is to continue to grow and expand, offering a quality future to young people. This is why over the years the Club has opened up to people and players from all over Italy and around the world. Being part of the Orange1 Basket Bassano family means becoming citizens of the world. The multiculturalism, the attention to detail, and the cultivation of dreams, make our soil prolific for the growth of young athletes.

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