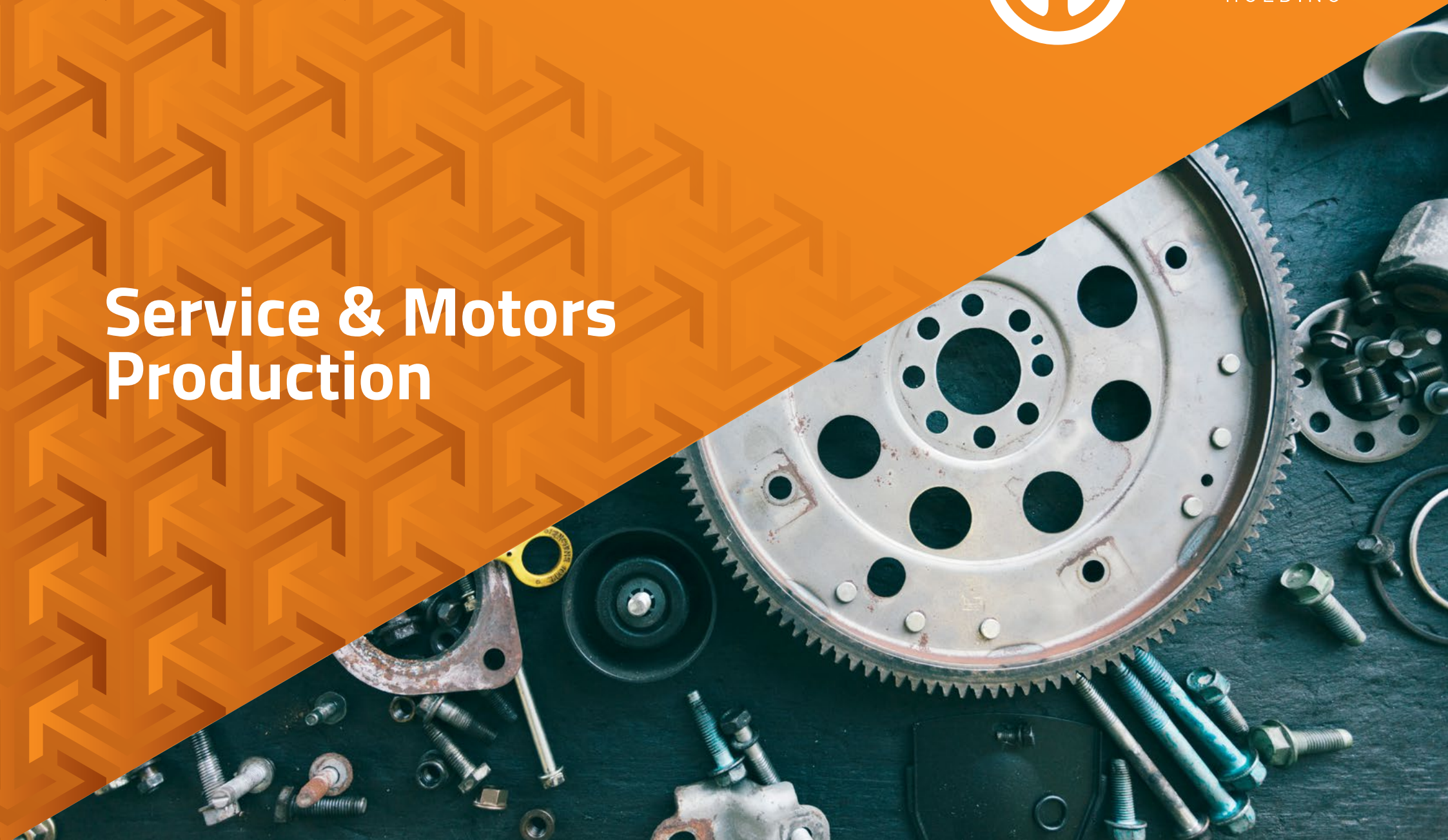
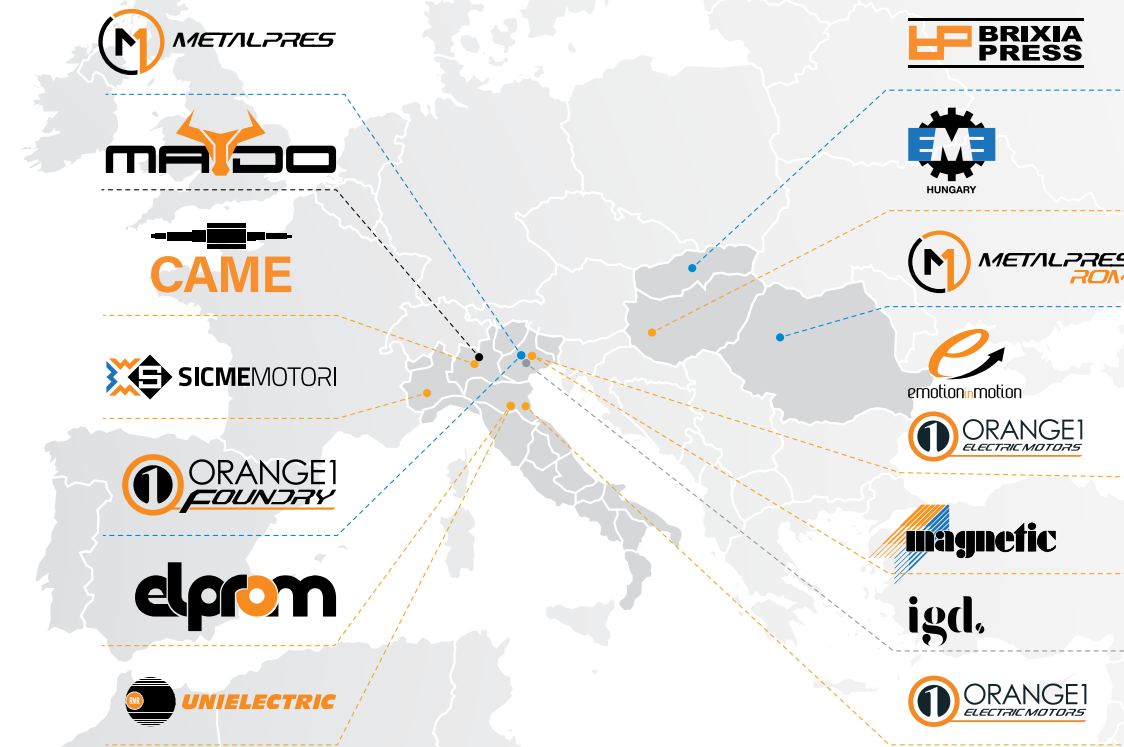




ORANGE1
HOLDING

Service & Motors Production





DIE CASTING

100 ml Turnover
4 Companies
720 Headcount

ELECTRIC MOTORS

125 ml Turnover
8 Companies
800 Headcount

TURNING PARTS

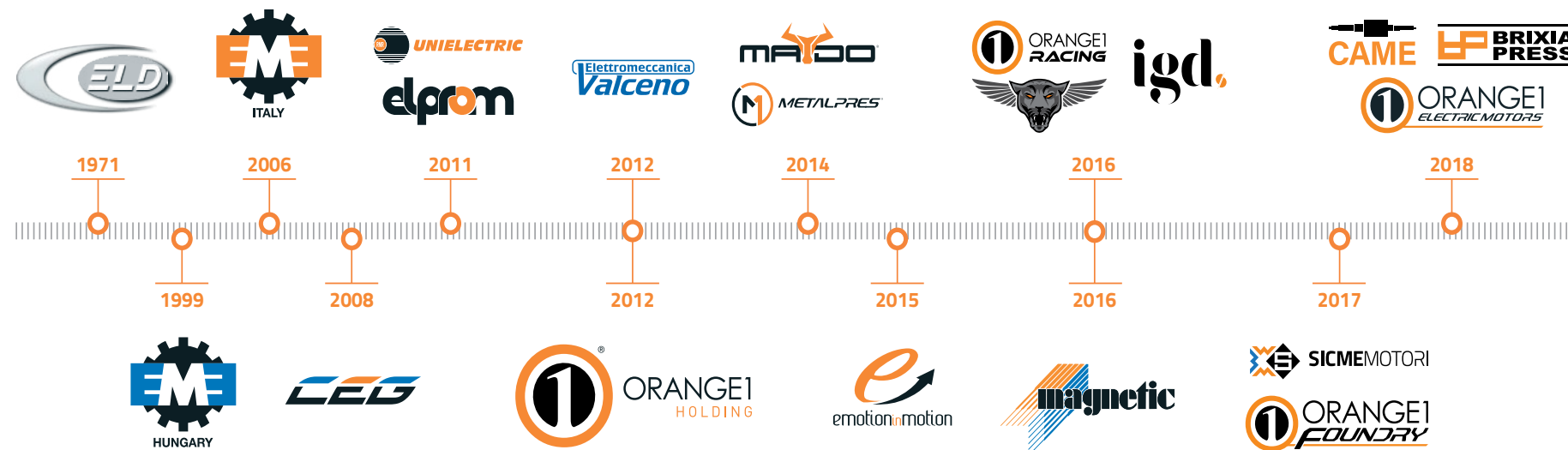
10 ml Turnover
2 Companies
80 Headcount



A dynamic, strong and ambitious Group

Orange1 Holding is an international renown Group, one of the most important European manufacturers of single-phase and three-phase asynchronous electric motors. It has an annual capacity of more than 1 million motors and 5 million electric stators with an annual turnover of approx 235 million euro and more than 1600 workers in 15 production facilities. 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





€ 235.000.000 TURNOVER
15 COMPANIES
1600 HEADCOUNT



Electric Motor Service

- 50 years experience in DC and AC motor
- Motor high quality 100% made in Italy, designed to operate in different applications
- environments, temperature variations, high relative humidity
- High experience of Service Team for solving applications problems

Custom Maintenance Programs

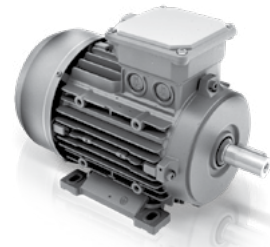
An efficient maintenance service can constitute an element fundamental also in the choice of a supplier. By analyzing the application and inspecting the motors with our proper equipment, we can plan the most economically advantageous type of maintenance. Restoration interventions can be performed immediately on inspection or planned according to the priorities dictated by the requirements. This allows a strategic reduction of plant downtimes and an optimization of production cycles, with immediate returns on intervention costs.

Main Areas of Applications

- | Mountain lift
- | Industry
- | Crane
- | Railways
- | Renewable Energy

IN HOUSE

MAINTENANCE & REPARATION MOTOR Program



Motor acceptance:

DC MOTOR | from 5kw to | 2400 kw
AC MOTOR | from 5kw to | 2400 kw | square stator
AC AND DC TRACTION MOTORS | from 5kw to | 2400 kw | square stator
AC MOTOR | from 5kw to | 2400 kw
UNEL MEC MOTOR AND AUXILIARY MOTOR for railways applications



Preliminary test and motor disassembly



Electric and mecchanical analisys on the motor parts



Washing mecchanical and electric parts



Component dryng in oven



Impregnation stator and rotor (DC)



Commutator turning and demica (DC) balancing rotor

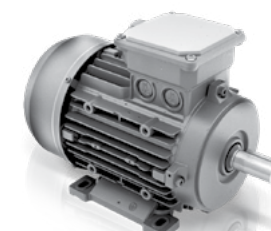


Assembly motor - testing on load - finally external paint

Final test report
and preparation for shipping

ON SITE

SERVICE MOTOR Preventive and preservation maintenance



Motor acceptance:

DC MOTOR
AC MOTOR
AC MOTOR UNEL MEC MOTOR



Preliminary electric test :
insulation test resistance ohm windings



Check of motor internal connection



Washing mecchanical and electric parts
with dielectric solvent



Dynamic test on the bearings and balancing



Dinamyc test on load



Commutator turning and demica (DC)



Commutation analisys (DC)

Final test report

MOTOR & SPARE PARTS SUPPLY

Motor acceptance:

DC MOTOR | from 5kw to | 2400 kw

AC MOTOR | from 5kw to | 2400 kw | square stator

AC MOTOR | from 5kw to | 2400 kw

UNEL MEC MOTOR AND AUXILIARY MOTOR for railways applications

TACHOGENERATOR



Spare Parts:

BRUSH

FILTER IN VILEDON AND STEEL COMPONENT

BRUSH HOLDERS

DC ROTOR REWINDING

AC AND DC STATOR REWINDING

Maintain and review before an emergency repair

The reliability of industrial electric motors is linked to the attention and method of a proper periodic maintenance. The average life of the rotating machine can vary significantly, depending on the application, use and other factors, among which the frequency and correctness of preventive maintenance is certainly the most relevant. To ensure efficiency and long life for an electric motor, it's essential that this is maintained regularly, and that the rotating parts, more subject to wear, are checked. Any discrepancies must be planned for their reparation, through partial substitutions, rewindings, recovery, to prevent further damage from occurring on the rest of the motor, or even on delicate and expensive electronic control parts. The periodic check of all the elements, however subject to inevitable wear, allows to avoid important and expensive maintenance. The operations that ORANGE1 SERVICE proposes are mainly the following:

▪ **cleaning** ▪ **control of fixing parts** ▪ **control of alignments** ▪ **verification of noise and working temperature** ▪ **verification of the air circulation** ▪ **vibration control** ▪ **control of electrical connections** ▪ **control of the winding resistances** ▪ **insulation control.**

Scheduled maintenance

ORANGE1 SERVICE offers personalized maintenance programs, agreed according to the production needs of the final customer, or according to the requirements of the assistance teams with the possibility of support from our specialized technicians at the customer site. On the basis of the type of electric motors owned and the stresses to which they are subjected, the scheduled maintenance is scheduled on the basis of the following reference scheme:

1. Inspection of the motor: a series of checks are performed to verify the status of the motor, through defined parameters: vibration, noise, temperature, stability, winding condition.
2. Analysis of the results: a very detailed report is compiled based on the measured data, compared with the nominal parameters, retrieved from the documentation of the manufacturers or from the original test reports in the case of motors produced by Orange1 Holding.
3. Report of the necessary interventions: when data distant from the permitted tolerance ranges are detected (with respect to the nominal data of the motor), an immediate or planned maintenance is proposed to avoid motor faults.
4. Report of the improvement: if the study of the data does not detect a risk of imminent failure, but foresees significant improvement margins in the functioning and performance of the engine, it is the responsibility of our staff to explain to the customer the scheduled maintenance process.
5. Proposed maintenance programs: our Service offers standard or customized maintenance programs to its customers.



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and join our passion for technology



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