

COMPANY PROFILE

"Our mission is to make innovative battery-operated elevating platforms and elevators that save energy and sustain the environment."

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OUR STORY

Franco Antonelli



In 2001, Franco Antonelli, after 40 years of industry experience, launched an ambitious project: to produce a high-quality, energysaving elevator that was both safe and technologically innovative. An elevator that would slash energy consumption and would generate part of the energy needed to operate it. Today, that project is an internationally successful business: A.R.E. – Ascensori a Risparmio Energetico (Energy-Saving Elevators).

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A.R.E. - Ascensori Risparmio Energetico
(Energy-Saving Elevators)



PROPRIETARY TECHNOLOGY

Today, A.R.E. (Energy-Saving Elevators) is managed by Filippo Antonelli, the son of the founder, Franco Antonelli. At A.R.E., we design and produce electric elevating platforms and elevators, which differ from the rest of the industry by being battery-operated and having low energy requirements. Our electric elevating platforms and elevators consume less than 150 and 500 Watts, respectively, which makes them market leaders in energy efficiency and environmental sustainability.



Filippo Antonelli
C.E.O.



Corporate statements

OUR MISSION

“Our Mission is to make innovative battery-operated elevating platforms and elevators that save energy and sustain the environment”

OUR VALUES

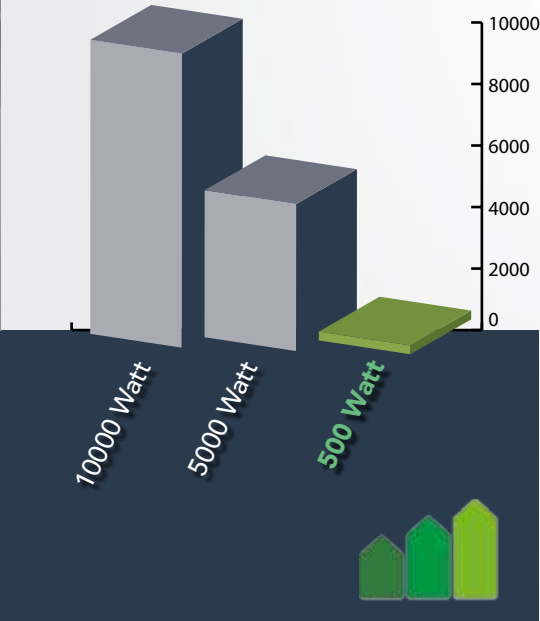
- Our values are:
- Integrity**
we are true to our word;
 - Safety**
we make safe products safely;
 - Innovation**
we transform our industry for the benefit of our clients;
 - Environmental Sustainability**
we create products that improve the environment.

OUR VISION

“Our Vision is to help cut global energy consumption by providing elevators that require only 6% of the energy currently needed by efficient electric elevators.”
We wish to improve the environment by replacing traditional hydraulic elevators and the more efficient electric lifts, which consume 10 Kilowatts and 5 Kilowatts respectively, with elevators that consume only 500 Watts. Our elevators may consume even less because they regenerate part of the energy they need.



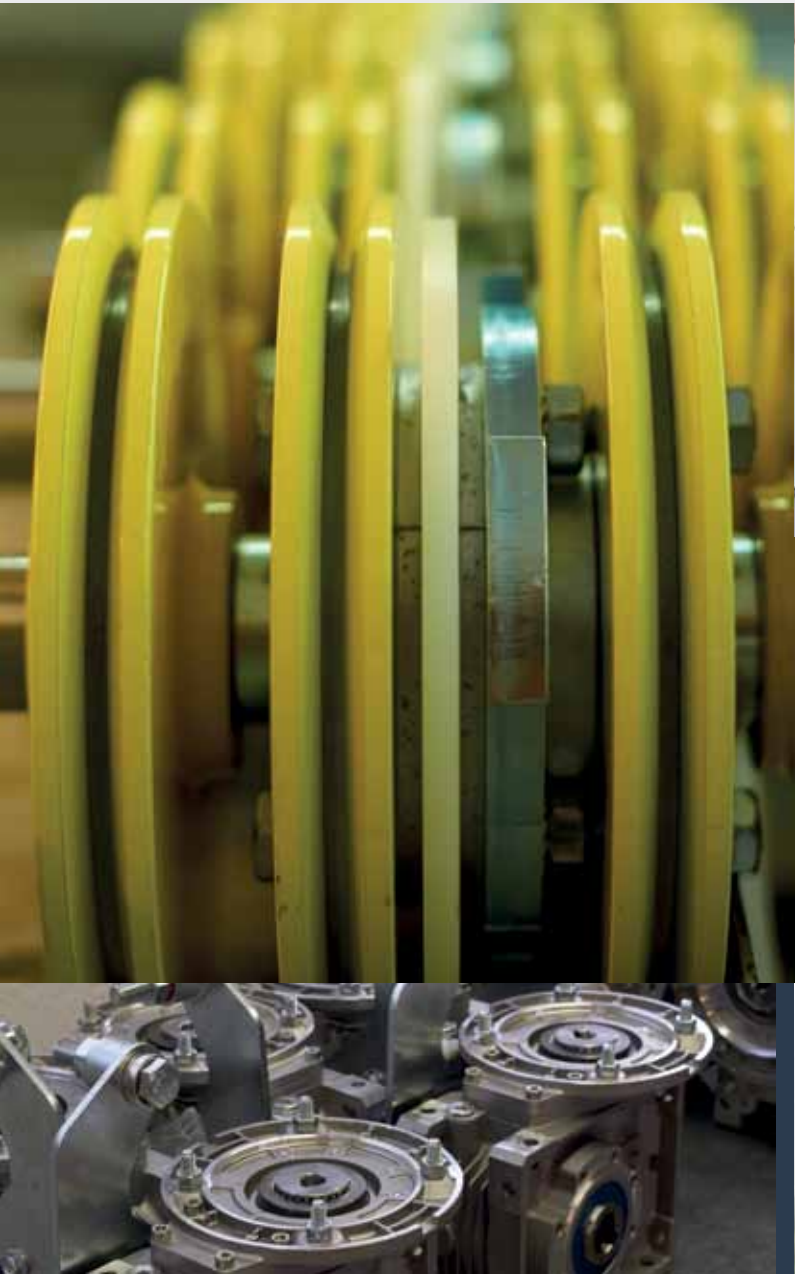
“We don’t just make elevation systems; we create solutions for people who consider energy saving and eco-sustainability decisive factors when choosing what to install in their home and work environment.”





RESEARCH & DEVELOPMENT

We invest in business and academic research to continually improve batteries and their energy efficiency. We also identify, evaluate, and test the very latest generation solutions employed in other industries to develop products that keep us ahead of the curve.



OUR STANDARD *is Custom-Made Project*

We have a wide variety of clients: architects, engineers, construction companies, surveyors, internal designers, and through these, we also reach end-users. Each elevator we make is a custom-made project developed to satisfy their specific installation requests.



OUR NETWORK

Sales

Unlike most of our competitors, A.R.E. (Energy-Saving Elevators) focusses exclusively on designing and making elevating platforms and elevators, enabling dealers to manage all sales-related activities to end-users and stakeholders (for example, construction companies and apartment block admini-

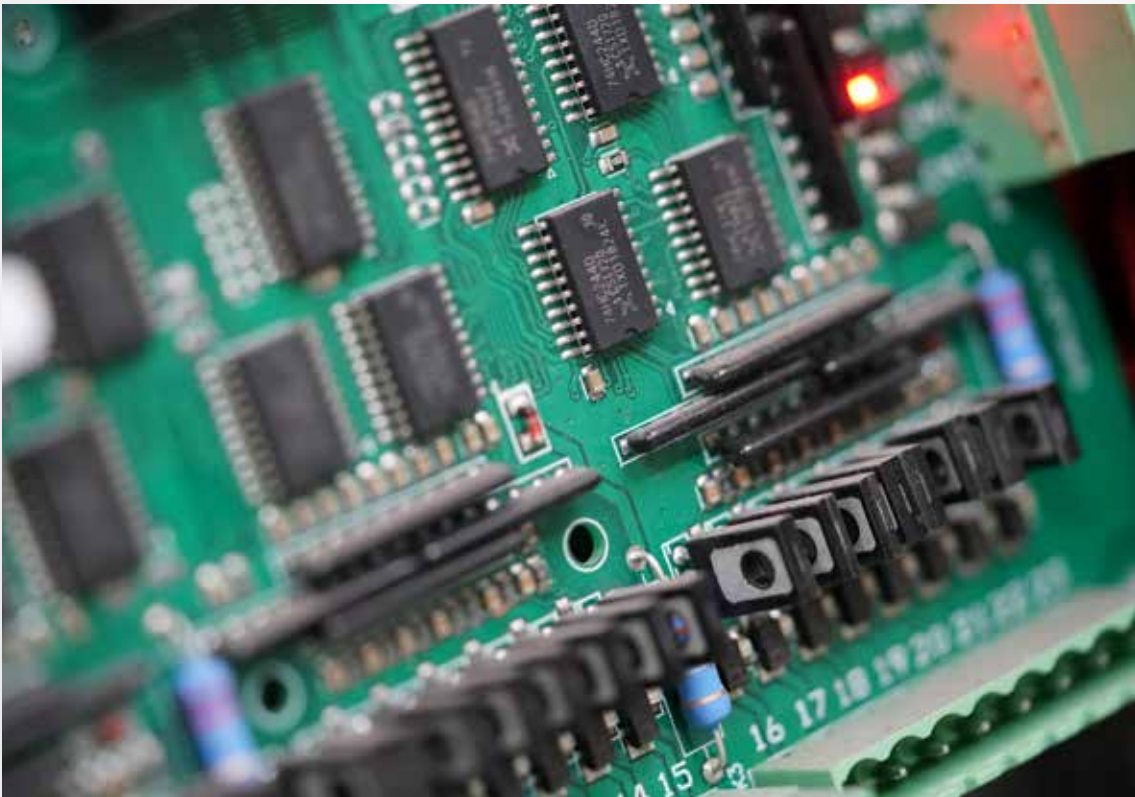
nistrators). This means we both do what we do best. We have a capillary distribution of qualified dealers in every Italian region and a growing number of international business partners. They enable us to compete with the industry's largest European producers and multinationals.



OUR PRODUCTION

Facilities

All our products are exclusively designed and developed internally by highly specialised engineers and technicians. We develop and test internally all electric and electronic components that are at the core of our proprietary technology. Also, we perform the quality control of all mechanical parts in-house to ensure that each one satisfies client requirements. We ensure the highest production standards by having some components made to order exclusively for us by highly qualified business partners.



OUR STRENGTHS

The A.R.E.'s key strengths



1. PATENTS AND ENERGY EFFICIENCY.

A Our products use an innovative traction system, patented ARE-H2E®, based on the use of a DC motor. Our technology allows our elevating platforms to consume less than 0.15kW and our elevators to consume less than 0.5kW.


2. ANTI BLACKOUT SYSTEM.

ABS Since our products use batteries, they can be used even in the event of a temporary power failure of the electricity grid (blackout).


3. NO NEED FOR AN ELEVATOR MACHINE ROOM.

MRL Our elevators don't need to house hydraulic units and control panels. We install the motor unit in the lif shaft, and we integrate the control panel into a landing door.


4. RIDE COMFORT AND NOISE REDUCTION.

 Soft departures and arrivals, as well as stop precision and noise reduction, are the hallmarks of all our products. We design and manufactures all our products to give you maximum comfort of use.


5. MAXIMUM SAFETY.

 All our elevators, irrespective of where they are installed, have a speed limit mechanism that prevents the uncontrolled movement of the cabin. This speed limit mechanism guarantees the highest possible level of safety present on the market today.


6. ECOLOGICAL AND CLEAN.

 Our products respect the environment because they do not use any oil of any type, not even as a lubricant for sliding guides.

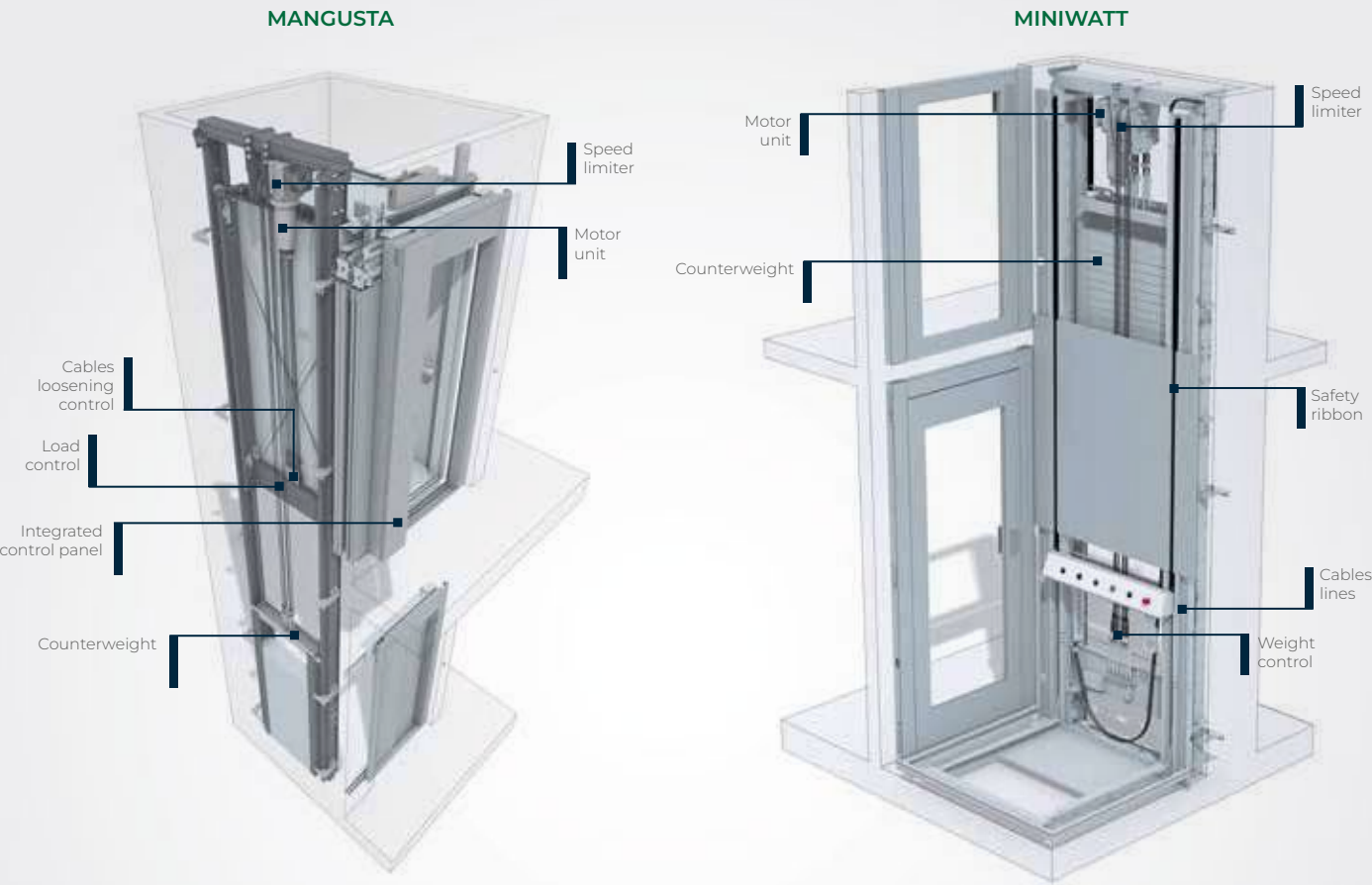
7. NO NEED FOR ADDITIONAL ENERGY.

 Because our elevating platforms and elevators use 134 Watts and 500 Watts, respectively, you can use them without worrying about switching off other domestic appliances. Furthermore, there is no need to increase the power of the electricity supply contract as the standard power of private dwellings or the stair-case light in condominiums or office is sufficient.

8. ENERGY RECOVERY SYSTEM.

 When our elevating platforms and elevators are operating empty, or at full capacity, our technology uses the engine as a built-in dynamo to generate electricity. This system enables them to recover the energy developed and store it in their batteries, which leads to lower electricity bills and reduced pollution.

ENDLESS versatility



MANGUSTA

Cabin operation
Maneuver by Plan

Info:

Head height
Cabin height
Doors height
Pit

No doors in the Cabin

Manual
Automatic

This version provides for the manoeuvre cabin both manual (defined by norm "to hold")

2.200mm
2.000mm
2.000mm
150mm

With bus doors in cabin

Manual
Automatic

Cabin doors, opening and closing to manually or automatic version, the doors of the bellows are controlled by electronic operator and the movement is controlled by an electronic mobile rib. The bi-fold door offers the possibility of automatic operation in the cabin even in confined spaces.

2.300mm
2.000mm
2.000mm
150mm

Automatic doors

Manual
Automatic

Plan automatic doors with sliding doors opening by electronic operator offering programming keypad, available in various versions. In this version the Mangusta is fully automatic.

2.450mm
2.100mm
2.000mm
150mm

Features

Load:
Capacity:
Maximum Speed:
Insertions per hour:
Travel:
Headroom:
Pit:
Lift power supply:
Committed power:
Maximum inrush current:

Load:
Capacity:
Maximum Speed:
Insertions per hour:
Travel:
Headroom:
Pit:
Lift power supply:
Committed power:
Maximum inrush current:

MANGUSTA (UE)

up to 400Kg
up to 5 people
0,15 m/sec.
45
24.000mm
2.600mm
150mm
Battery
0,134 KW
0,7A

MINIWATT

up to 400Kg
up to 5 people
0,15 m/sec.
45
24.000mm
2.000mm
150mm
Battery
0,134 KW
0,7A

MANGUSTA (extra UE)

up to 400Kg
up to 5 people
0,30 m/sec.
45
24.000mm
2.600mm
150mm
Battery
0,235 KW
2A



OUR BUSINESS ETHICS

Since Franco Antonelli first imagined that an elevator could run on batteries, we have remained faithful to our initial vision: to offer innovative and safe products

that save energy and respect the environment. We believe our proprietary technology, which allows our elevators to regenerate part of the energy they consume, is the way to ensure the energy efficiency and environmental sustainability of elevators in the 21st century.



"Our customers choose us for the affinity with our corporate philosophy and we will always be proud to demonstrate, every day, that their choice of A.R.E.'s products is the right one."

Rosario Rosone
Sales Director

