



CORPORATE PRESENTATION

OVERVIEW ABOUT OUR COMPANY

TABLE OF CONTENTS

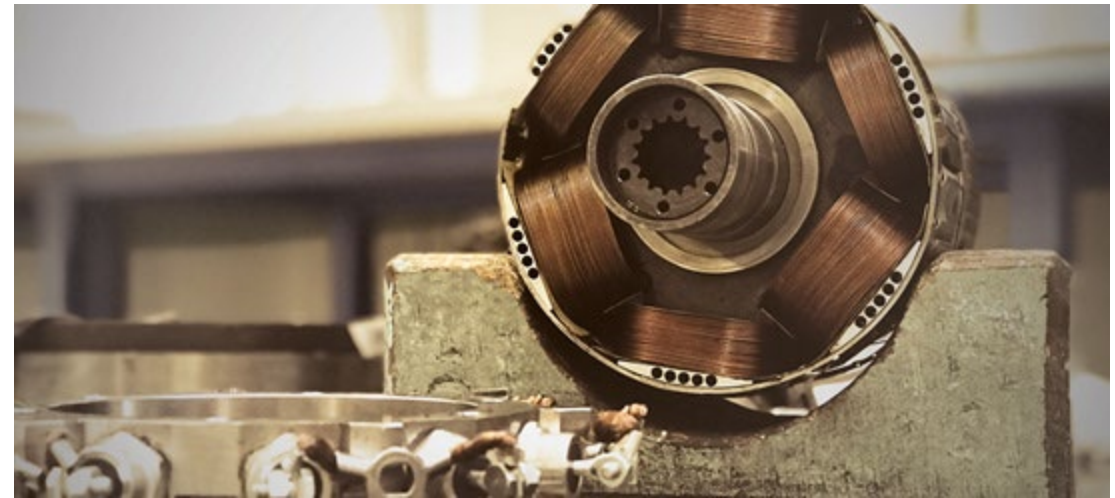
01_ ABOUT US

02_ PRODUCTS RANGE

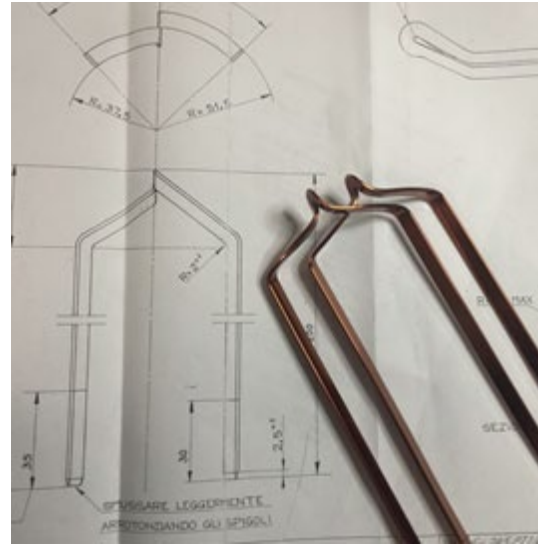
03_ PROGRAMS EQUIPPED

04_ OUR FACILITY

05_ QUALITY CERTIFICATIONS & APPROVALS



ABOUT US



We are a world-class supplier of electrical power systems for aerospace and defence, with a consolidated experience in design, development, integration, manufacture and support of electrical power systems.

Since 1919 we equip the most remarkable aircraft with our system solutions: the main aircraft manufacturers all over the world trusted us since our origins.

ORIGINS

ASE was born as Avio Division of Magneti Marelli; its origins date back to 1919. Through the years, we acquired significant expertise in designing and fabricating electrical systems for aerospace and defence application.

MISSION

Our mission is to provide reliable and innovative equipment for electrical generating systems for the aerospace and defence market, becoming the partner of choice to realize new projects and enhance the existing ones.

HEADQUARTER

Our production plant and headquarter is 15,000 sqm wide; it is located near Milan and Malpensa Airport, in the heart of Lombardy, one of the Four Motors of Europe. Our team is constituted by about 100 people, the true core of our know-how and innovation.



POWER GENERATION

Both AC and DC, fixed or variable frequency: limitless possibilities with full customization.

POWER DISTRIBUTION

With the integrated Control Unit, to manage and control the whole electrical network.

POWER CONVERSION

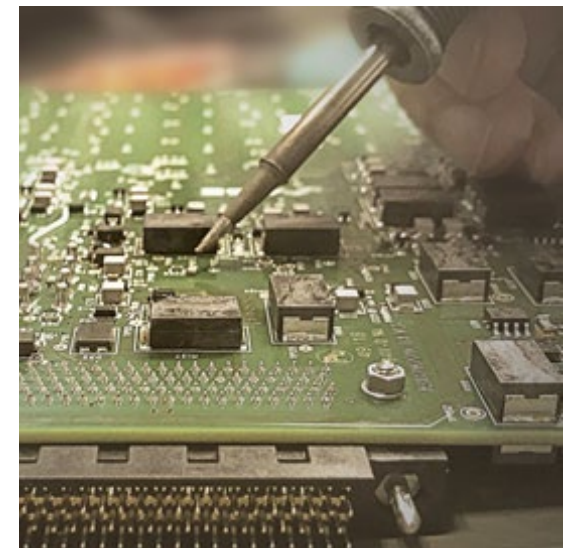
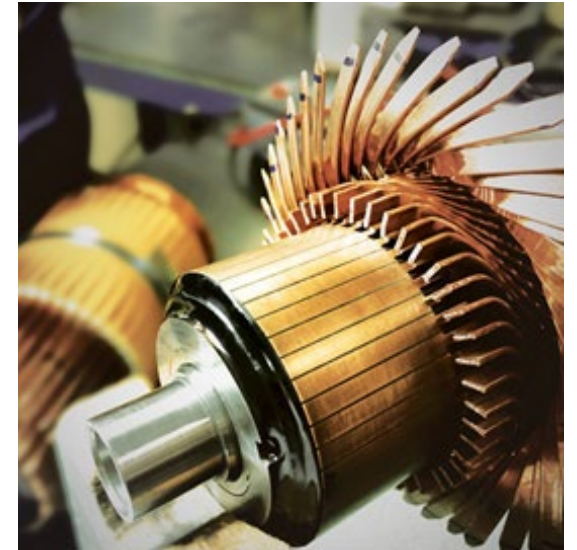
High performance TRU, ATRU, AC/DC, DC/AC and Frequency Converters.

POWER MANAGEMENT

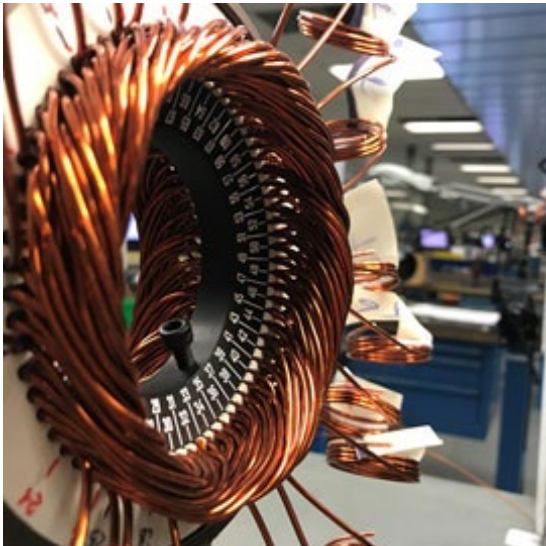
Analog and digital Generator Control Units, to fit any need.

SYSTEM INTEGRATION

We integrate different equipment into a unique system to get the best performances out of each unit.



PRODUCTS RANGE



Our Power Generation range is composed of a wide choice of AC Generators, DC Generators and Starter/Generators. Our Generators are currently on-board of several major aircraft programs, both fixed and rotary wing.

POWER GENERATION PRODUCT RANGE:

- 5 to 45 kVA AC Generators
- 6 to 12 kW 28 VDC Starter/Generators
- 9 to 12 kW 28 VDC Brushless Starter/Generators
- 20 kW 270 VDC Brushless generator



Power Management products range includes both digital Generator Control Units and analogue Generator Control Units.

All our GCUs are both analogue and digital, implementing real-time power-up and continuous built-in test for safe operation.

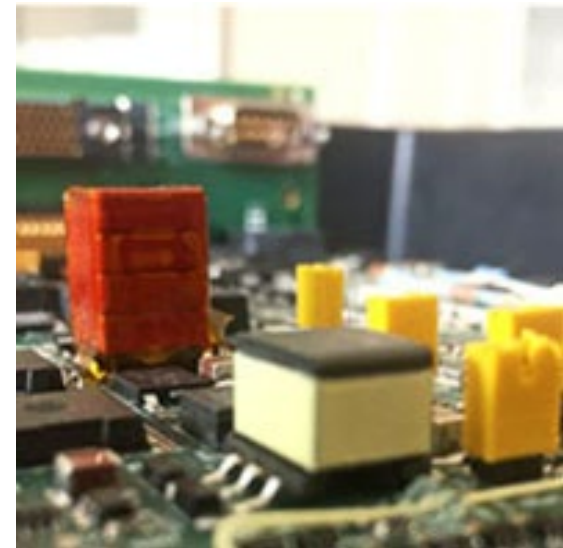
Our Power Distribution products range includes both Primary Distribution Boxes and Secondary Distribution Boxes and offers analogue and digital power management. Moreover, the Secondary Distribution Units can also use Solid State technologies.



Our Power Conversion range is composed of a wide choice of current transformers, transformer/rectifier units, frequency converters, power converters from AC to DC and vice versa and auto transformer rectifier units.

POWER CONVERSION PRODUCT RANGE:

- Transformer/rectifier units
- Frequency Converter
- AC/DC, DC/AC power converters
- Auto Transformer rectifier units



Through our System Integration service, our customers can achieve significant time and cost decreasing in their project advancement processes.

We can set up test rigs that incorporate all system equipment and perform integration tests to demonstrate the actual performance compared with system requirements.

The whole testing process can take place in the attendance of our customers. We deliver complete and ready-to-use electronic documentation about each test step and its result.



PROGRAMS EQUIPPED

FIXED WING PRODUCT RANGE

From nimble and fast trainers, though powerful fighters to majestic airliners and tactical airlifters, we furnish with our products a wide range of fixed-wing aircraft.

We're proud to work with some of the most relevant aircraft manufacturers all over the world, taking care of their projects with step-by-step assistance.



AN EXAMPLE OF COMPLETE SYSTEM

The M345 HET is equipped with our complete electrical generating system:
 9-12kW Brushless Starter/ Generator, GCU, PDU1, PDU2





– CH-53 GA

- AW101 // EH101
- AW129 // T129
- AW139
- AW149
- AW189
- AW159 Wild Cat
- AW609 Tilt Rotor

- ALH // Advanced Light Helicopter
- LCH // Light Combat Helicopter
- LUH // Light Utility Helicopter



ROTARY WING PRODUCT RANGE

A broad range of rotary-wing aircraft, from 1,3 to 15 tons, is currently equipped with our units, from the single machine integrated into an existing system to the entire electrical system.

PLATFORMS EQUIPPED

Every product can be provided both to civil and defence rotary-wing aircraft, fully satisfying every requirement; each unit can be customized to fit any need.

All our units can be quickly modified and upgraded if necessary, thanks to our pre and post-sale customer service.



UNMANNED AERIAL VEHICLES

Both civilian and defence unmanned aerial vehicles industries are quickly evolving, becoming more demanding and challenging.

We are flexible and competitive: we always offer innovative answers to our customers, relentlessly researching into new materials and configurations.

With our reliability, we've been chosen as a developing and supplying partner for the most prestigious international UAV projects.

UAV PLATFORMS EQUIPPED:

- nEUROn
- Heron TP
- Undisclosed UAV project under development



GROUND VEHICLES PRODUCT RANGE

Backed by many years of experience, we are the best choice for equipping armoured vehicles with advanced and reliable solutions: we design, supply and overhaul the equipment of the main defence vehicles since decades.

Besides the electrical generators, our component range for ground vehicles is completed by hydraulic brake systems, fuel systems, smoke extractor fans, engine monitors and bilge pumps.

Our products are currently installed on various vehicles used in peace missions all over the world.

 IVECO
DEFENCE VEHICLES

B1 Centauro
VBM
VCC80

C1 Ariete
Puma
LMV



OUR FACILITY



OUR FACILITY

Our 15.000 sqm headquarter and manufacturing plant is located near Malpensa Airport, in in the heart of the productive zone of Milan; the covered area in our plant is 12.000 sqm wide.

ECO FRIENDLY

We're committed to creating a cleaner planet: our plant is asbestos-free.

CLEAN ENERGY

Moreover, we want to be powered by clean energy: we demonstrate our commitment to protecting our planet with the use of a 400kW photovoltaic system, giving us electricity from clean sources.

QUALITY CERTIFICATIONS & APPROVALS

We can proudly confirm our compliance with many certifications and approvals.

Our Quality Management System regularly checks that all our activities (design, development, manufacturing and MRO) are compliant to the most stringent requirements of both civilian and defence market.

	UNI EN 9100:2018	UNI EN ISO 9001:2015	EASA Part 21 POA
EASA Part 21 APDOA	Maintenance Organization EASA PART 145	Repair station TCCA - unlimited	APDOA
FAA 14 CFR	JOSCAR	MOD AER (EP) P.145	Nadcap NDT-PT Liquid Penetrant Testing (merit Gold)