

Quality, Precision, On time.

Bercella srl

Company Overview

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Bercella is an Italian company founded in 1996 aimed to design and manufacture structures for advanced applications

We are mainly active in Aviation, Defense, Space and Automotive









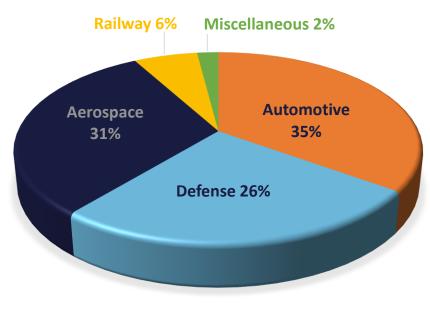


3 plants located in Parma, Italy, and more than 60 employees for a variety of technologies:

Engineering, Composites, Machining, Painting, Assembly



TURNOVER 2015





A growing annual turnover with more than 25 valued customers from 8 different countries







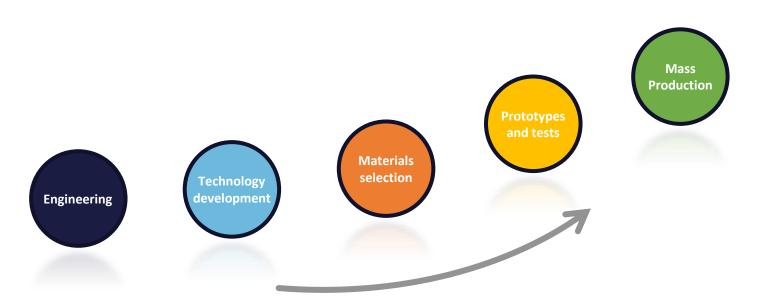


UNI EN ISO9001:2008

EN 9100:2009

EASA PART 21 (In progress)





Project Management: from design to manufacturing

Over the last years, we have successfully managed many multi-million projects with tens of suppliers in various fields of activity.

We supply a 360° service from early design to mass production





Engineering Services

We apply a winning multidisciplinary approach to complex projects combining experienced CAD capabilities with the most advanced knowledge of FEM and CFD analysis

A complete support: from design to finished components

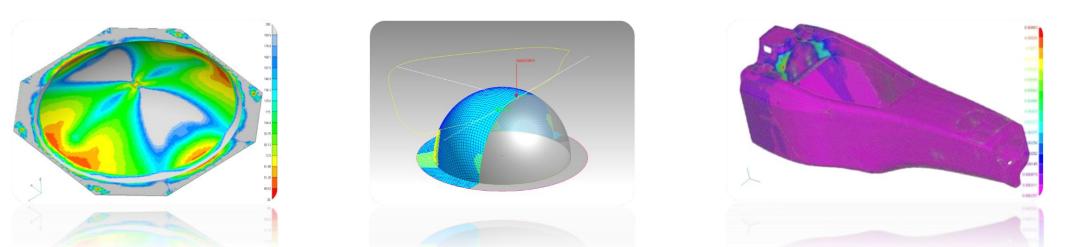




Engineering Services: CAD Modeling

Our 15 years of success in components and tools design is based on solid and surface CAD modeling and on the most advanced software as CATIA V5 CPD, Solid Works and Cimatron





Engineering Services: FEM Simulations

Enter the new millennium with a complete suite of Simulation Software and Tools to investigate the performance of your components through FEM, CFD, Electromagnetic and other numerical analysis









Engineering Services: Material Testing Laboratory

We evaluate and select the correct material only after performing mechanical, chemical and physical investigations at our Laboratory

Besides, we use our lab to test incoming materials as well as prototypes or real components



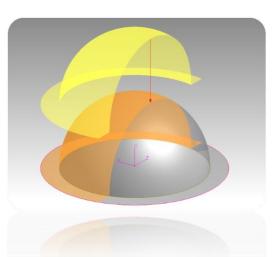


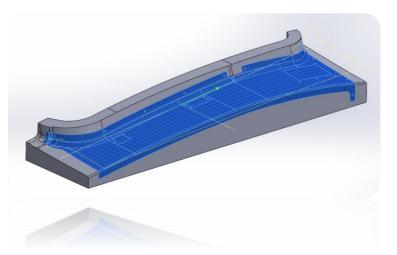
Engineering Services: Technology development

Every project needs a specific production process

That's why we develop tailored solutions for all the pieces we design or produce







Engineering Services: Process Simulations

Forget about time consuming trials that waste time and money!

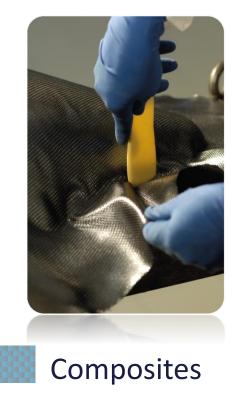
We use many technologies to simulate the production cycles of your components





Take advantage from a trusted supplier for a vertically-integrated production: we will manage the subcontractors, so you can focus on your business





Our main activity is related to composites structures and components

Plenty of technologies to serve as many applications

We are specialized in Prepreg/Autoclave, and we also have experience with other techniques such as Filament Winding, Infusion, RTM and Compression Molding









Composites: Facilities

We manage the whole manufacturing process in house thanks to our large autoclaves and CNCs!

All the plies and the parts are machined via CNC to ensure the best precision and repeatability





We rely on NDI techniques like Radiography, Tap Test, Thermography, Ultrasounds and Tomography to guarantee the quality of the structures we produce







One of the latest technology we have developed, focused on the production of massive components for Defense application, is Filament Winding

We're able to wind components up to 8.000mm long and 1.650mm wide









Thought to be one of the most important technologies of the near future, Press moulding enables us to enter mass production markets such as Automotive and Commercial Aviation





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Machining

We machine in house many materials as: Aluminum, Epoxy boards, CFRP, GFRP, Steel and Mild steel

For special materials or operations we have close partnerships with verified suppliers





Plastics: ABS, Epoxy, Nylon, Glass reinforced Nylon, Carbon reinforced NylonMetals: Aluminum, Titanium, Stainless steel, Cobalt chrome, Inconel





Aerospace and Defense more than any other require for special coatings to be applied before delivery, namely Painting, Flam Sprays, Aesthetic Film Foiling, Kapton, Tedlar, and many more













AgustaWestland

A Finmeccanica Company

RHEINMETALL DEFENCE



CATERHAM

1ACOBUCCI**HF**



2)

Selex FS

K 7.1

A Finmeccanica Company

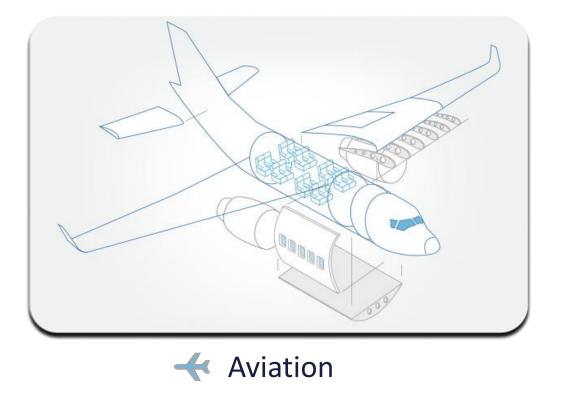
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CGS



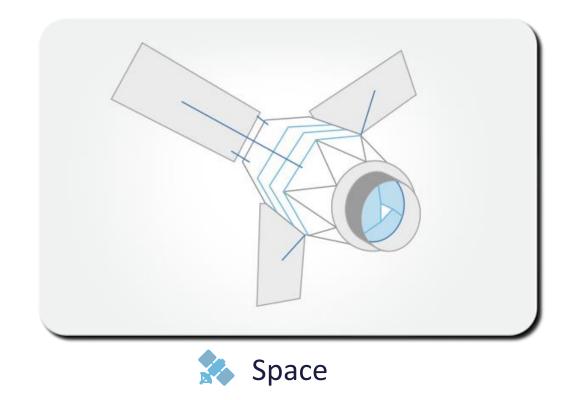
20 years providing excellence in our applications





We design and produce structures, interiors, and engine parts for some of the most prestigious Aviation companies

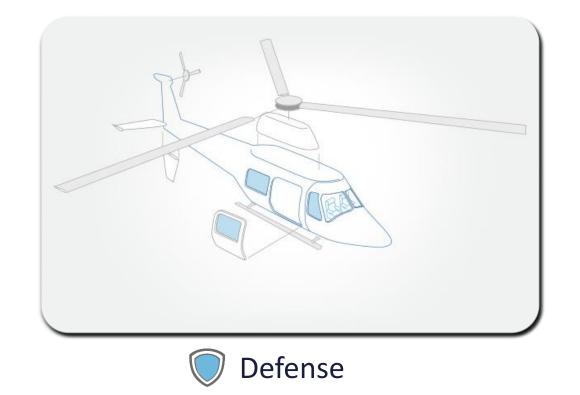




Space is probably the segment with the fastest growing rate.

We've been proudly involved in major ESA programs such as: AGILE, ROSETTA and EOMARS 2020 for the supply of Solar Panels and Drillboxes

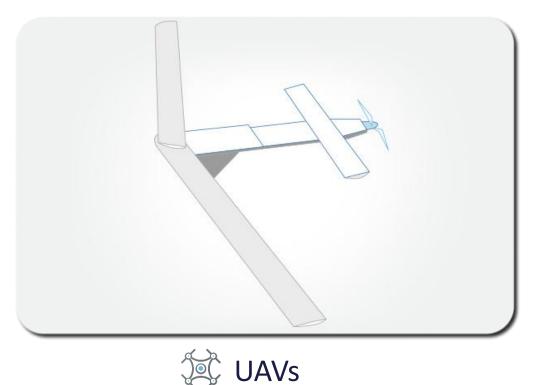




Air, ground, sea, subsea: harsh environments don't scare us!

We supply structures for Helicopters, Airplanes, UAVs, Ships, Missiles and Torpedoes

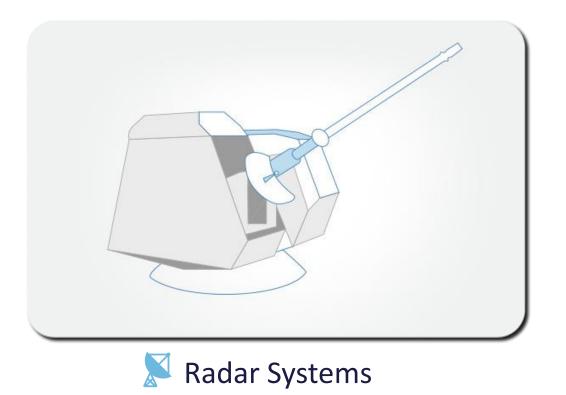




For the last 5 years, UAVs have represented a constantly growing market

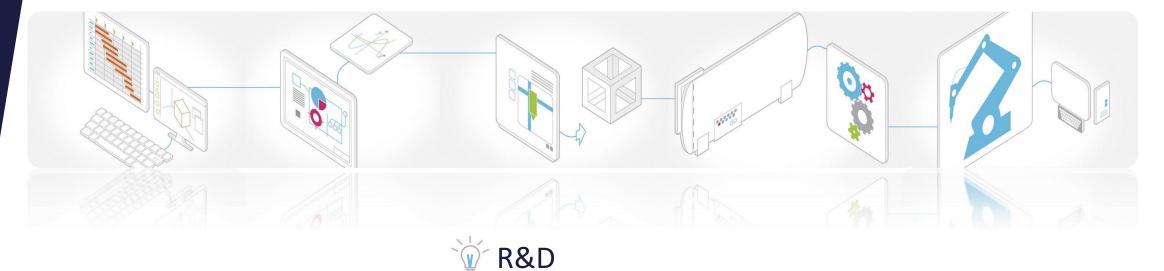
We contribute to programs for unmanned airplanes, helicopters/multicopters, ground vehicles and submarines





We actively design and manufacture Radar components such as Radomes, Antennas, Reflectors and Shelters for Defense and Civil purposes

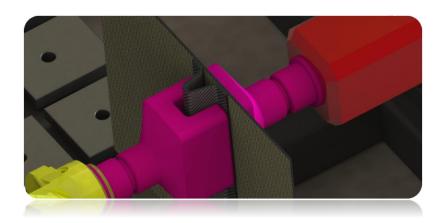




Our innovation has been rewarded through one European Calls for Proposals and Tenders and some other local ones







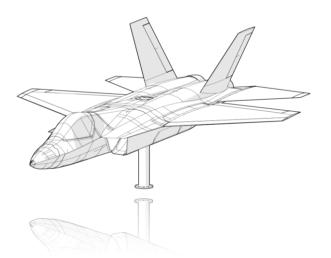


We want to stay at the top of composites technology that's why we're continuously investing in Automated Layup, Thermoplastic Welding, Inspection onthe fly, Out-of-autoclave, and other important innovative researches











We want to continue our growth in Aviation, Space and Defense

Our deep knowledge of composites industrialization is the key to achieve lower costs and higher quality

BERCELLA

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