

BUILD
YOUR
IDEAS





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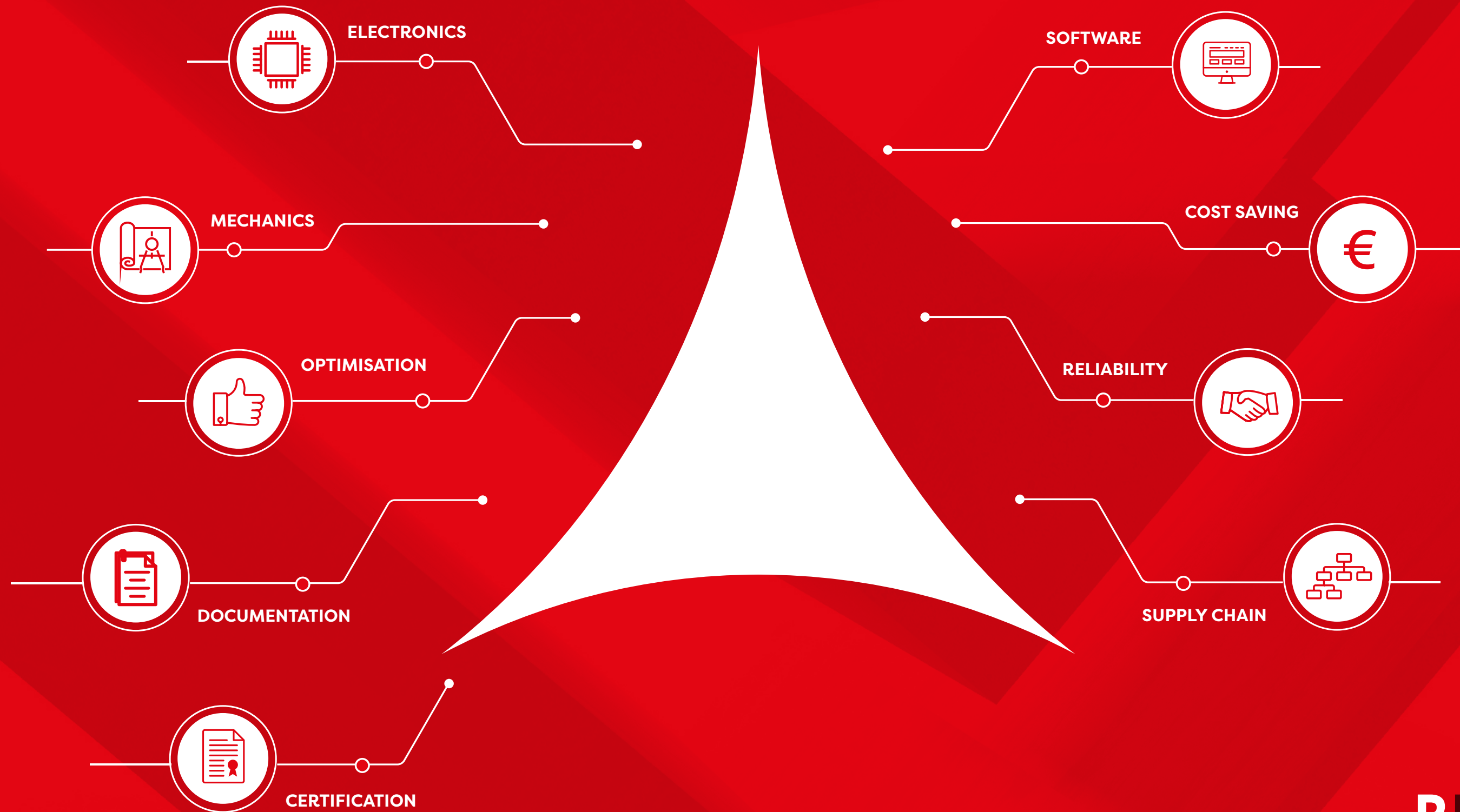
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YOUR TECHNOLOGY HUB

Professionals at the service of your business



WE BUILD YOUR IDEAS

WE MAKE REAL WHAT IS ONLY IMAGINED

We are a consultancy and design company. We are the partner that you would like to have at your side when a project seems to be too complex to be completed or when you have a business idea to develop but you don't have the necessary resources to put it into production. We are able to understand your needs and find the best solution with the most appropriate professional team.



WE LISTEN TO YOUR **IDEA**, WE UNDERSTAND YOUR NEEDS AND WE WORK ALONGSIDE YOU TO DEFINE THE BEST SOLUTION



WE SELECT AND COORDINATE A TEAM OF COMPANIES AND PROFESSIONALS WITH THE NECESSARY EXPERTISE TO DEVELOP THE **PROJECT**



THANKS TO OUR NETWORK OF SELECTED COMPANIES WE ARE ABLE TO DEVELOP THE **PROTOTYPE** OF YOUR IDEA



WE ACCOMPANY YOU IN THE INDUSTRIALISATION OF THE PROTOTYPE TO ARRIVE AT AN OPTIMISED **PRODUCT** IN TERMS OF COSTS AND PERFORMANCE

From conception to production, a unique partner that stands out for its ability to integrate different areas of expertise and manage your project in an efficient and effective way.

WHY WORK WITH US

Because you have an innovative project to develop and you need reliable suppliers.



Because you want a professional and transparent management of the team and project.



Because together we can find the best solution.



WORKING WITH US MEANS:

A SINGLE INTERLOCUTOR FOR ALL PHASES OF THE PROJECT



COMPLIANCE WITH THE AGREED BUDGET



THE BEST PROFESSIONALS AT YOUR SERVICE



NO UNPRODUCTIVE COST REGARDING THE PROJECT





Excellence as the main feature of proposed and developed technical solutions.


WHAT WE DO

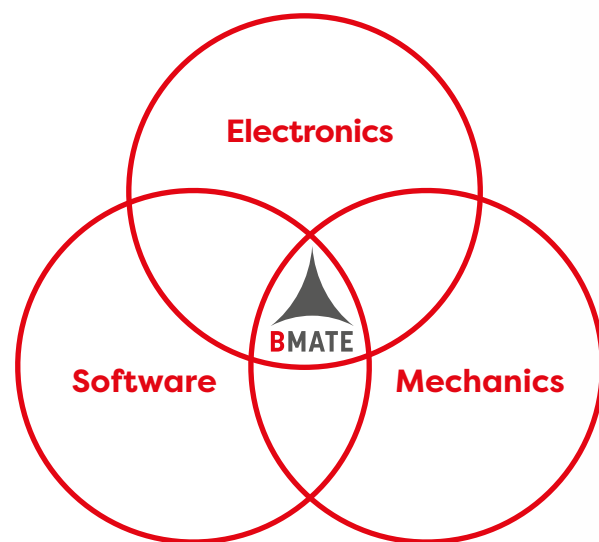
“TURNKEY” PROJECTS

From theory to practice: we're focused on operating aspects in order to develop the promised innovation in concrete terms. We operate in a geographical area rich in know-how and this allows us to be constantly updated on new technologies and on the skill centres that are able to master the technology, setting up a multi-disciplinary team that can work vertically on a project.

 **We manage every phase, integrating electronic, software and mechanical design.**

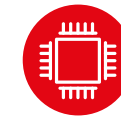
 **We combine innovation and technological consultancy thanks to solid, practical experience.**

 **We select the most appropriate partners to meet high quality standards.**



Experience, expertise, professionalism and a wide network of partners able to give a concrete response to your innovation needs.

Electronics Design



Electronics is the beating heart of every device. We can design the necessary electronics, whatever your type of product. Alongside a team of professionals working with us, we develop solutions dedicated to your application.

We work with you to define the best system architecture for the application; we identify its fundamental components and develop them.

| Microcontrollers | 16/32 | ARM Cortex | DSP | Zigbee | Bluetooth | motion control | GUI | RS232 | Can Bus | RS485 | TCP/IP | WiFi | SubGhz | Gateway | Data Logger

Software Development



We use and interact with a device thanks to the functions made available by software: if electronics is the beating heart of a device, the software is the brain.

Our team of professionals are expert in a wide range of technological areas and are able to propose the right mix of technologies for your application.

The design of the software takes account that it is part of a wider system, in which data production and exchange are, in some cases, as important as the functions themselves.

| Web | sql | no sql | mobile | desktop | cryptography | cloud | python | html | QT | javascript | linux | C/C++ | blockchain

Mechanical Design



The mechanical design is the skeleton of every product and has a crucial bearing on its effectiveness. Integrating mechanical skills and materials with electronics and software design is fundamental for the success of a product.

We work on the design of complete machines, components or complex assemblies. We finalise our design with the development of working drawings, choosing the most appropriate construction technology in terms of costs and performance. We use multiple 3D CAD to adapt to the requirements of your project.

| Automation | kinematics | plastic moulding | additive manufacturing | automotive components | transmissions | fluid dynamics | metal-working | 3D modelling | reverse engineering | surface modeling | product design

INDUSTRIALIZATION

FROM THE PROJECT... TO THE PRODUCT

Industrialisation is a crucial phase for achieving the economic success of an idea. The objectives to achieve in order to turn your prototype into a product are:

- Reduction of production and maintenance costs
- Performance optimisation
- Achievement of the desired level of reliability
- Environmental sustainability/End-of-life management
- Ergonomic design.

We help you in this phase, fully managing the entire process. The network of our partners and affiliates is able to analyse every aspect of the prototype and deliver to you an engineered product from all points of view. Every complex product in which electronics, mechanics and software are connected and inter-functional is managed on the basis of these principles:

- **Simplification:** only necessary components and functions
- **Standardisation:** optimisation of inventory codes
- **Integration:** obtain the best functional result
- **Rationalisation:** maximum efficiency in the use of resources.



Cost Saving



Savings on costs for putting a project into production, whatever it is, is a fundamental condition for the profit of the project. We help you to avoid launching production with a costly cycle, including unnecessary phases or phases performed in an inefficient manner. Our value is being able to accompany you in the industrialisation process in order to deliver effective savings.

We analyse every production phase and every significant component, suggesting all the necessary project modifications to obtain a production process able to generate more profit.

Optimisation



We are able to work on finished projects to analyse all the phases and identify possibilities for optimisation. Once the design or the process has been examined and fully understood, it is broken down into its main phases; these, in turn, are analysed to identify possible optimisation strategies.

With a top-down approach, every component, sensor or processing phase are examined in detail to establish whether they are essential or improvable.

We will deliver you a finished project which is more competitive in production and easier to maintain.

Reliability

The reliability of an industrial product is decisive!



A key factor for standing out from competitors is the soundness of the product. **Reaching a high level of reliability is a process that starts from far off, directly from the conception of the idea and its initial design phases.** We take these aspects into consideration right from the start of our work and we seek to improve reliability also for projects and products not designed by us. The breadth of our know-how allows us to deal with the design of advanced diagnostics and predictive maintenance systems, integrating **cutting-edge technologies in any industrial sector to make every product truly 4.0.**

Industrialisation as a basis for success.

ALWAYS AT YOUR SIDE

We work with you also after the design phase and we accompany you in the life-cycle of the product with a series of services, including: obtaining certifications and quality marks for the products, the definition and organisation of the supply chain and the production of technical documentation.

Supply Chain



We coordinate and manage in the best possible way every production process for your idea. Efficiency, effectiveness and time-to-market are the principles characterising and guiding all our actions.

Thanks to our experience in various sectors, we can suggest advantageous selected suppliers in terms of quality and/or cost, for the production or for the purchase of components, both to drawings and commercially marketed. We operate autonomously but, when requested, we are able to flank you for single aspects or we can take on the role of coordinator of supply chain in addition or replacing specific company figures. We coordinate and manage relations inside and outside the company, so as to ensure a rapid and optimised process in all its aspects.

Documentation



Documentation, manuals, certifications and approvals are taken care of in every detail.

The documentation of a project is an added value not to be undervalued. The operator's and technical manuals are often the first contact the user has with a product; the quality of these documents forms part of the overall quality of the product itself.

We manage the documentation during the entire evolution of the project, with professionalism and expertise, remaining always aligned with the latest technological developments to guarantee you a technical-specialist documentation of quality.

- Technical manual
- Operator's manual
- Interactive manuals
- Exploded assembly drawings
- 3D videos with installation and maintenance instructions.

CERTIFICATION



We accompany you in the certification and approval process.

We deal with all the certification phases, from research on all the more recent (national and international) directives and standards applicable to the product, to adjustment of the product, to tests to check compliance with the standards at certified bodies or selected laboratories.

Our activities

- Risk analysis
- Product certification
- Quality marks and Global Market Access
- Preparation of documentation and technical file

We manage relations with the entities responsible for issuing certifications and the performance of tests.

We work with your internal resources for everything that concerns the certification processes.

European Community Directives

- Machines Directive (2006/42/EC)
- EMC Directive (2014/30/EU)
- Low Voltage Directive (2014/35/EU)
- Electro-medical Directive (new EU Regulation 2017/745)

CE | UL-CSA (United States and Canada) | TUV | CCC (China) | SASO (Saudi Arabia) | EAC (Russia) | RCM (Australia) | India's CRS

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