PR JECT
SERVICE

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INNOVATION

**From an idea
to an innovative set-to-market product
that lasts**

ELECTRONIC RESEARCH, DESIGN AND PRODUCTION

The team at service of your idea

We develop our customer's ideas to create innovative set-to-market products built to last.

Project Service was set up in 1982 with this aim. Over the years the business grew as new members joined the team and we collaborated with businesses we work with to become real partners as they grew alongside us.

We are open to new changes in order to continue satisfying the growing needs of our customers.

Claudio Marini

Arianna Marini

Ivan Marini

Our partners

Mad Engineering is a trusted partner in the development and creation of firmware applications for real-time embedded systems based on ARM architecture.
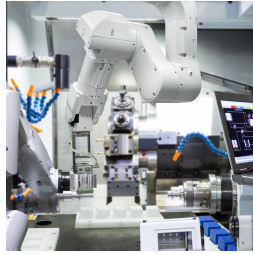
ELIOS was created out of the desire to transfer cutting edge technologies into multi-disciplinary areas, where technological progress, optimisation and reliability are reflected in ever-increasingly challenging specifications for conventional technologies.
In collaboration with Project Service srl, they develop industrial applications equipped with advanced man-machine interfaces.
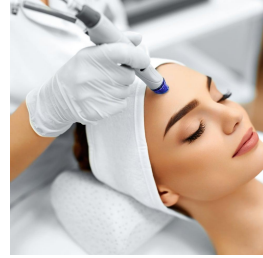
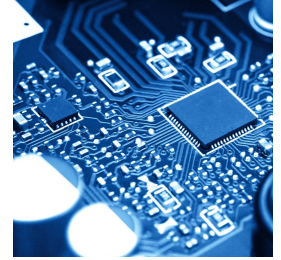# Our products are at use in many sectors

ENVIRONMENTAL   INDUSTRIAL   MEDICAL   COSMETICS   AERONAUTICS   OTHER

How we work in 5 steps

1	2	3	4	5
PRODUCT CONCEPTION	HARDWARE DESIGN	FIRMWARE & SOFTWARE DESIGN	PROTOTYPE & PRODUCTION	AFTER SALES SUPPORT

We create electronic **set-to-market** products and handle the project's domain from conception to market operation.

Trust us with your project. We offer a guaranteed lifetime of at least **10 years**.

How we work: product conception

The product conception stage is a process that must consider several different aspects: market research, feasibility and adoption of the most modern technologies.

We support you during this stage in the following ways:
- We assess your requirements
- We carry out the design
- We carry out the design
- We set out the design specifications
- We identify time-scales and costs.

We take part in the biggest trade fairs every year. This is where we gather information on new products available on the international marketplace. We are able to offer you different options that consider:
- Quality
- Price
- Lifetime
- The ability to update the product

We aim to be certain that the product we wish to develop won't be surpassed in the near future. This is why it is important to identify the right components that will guarantee scalability from the outset.

We guarantee a product lifetime of at least 10 years.

1

PRODUCT CONCEPTION

How we work: hardware design

We develop customized solutions that guarantee product performance in line with initial specifications.

Our board design services include:

2

HARDWARE DESIGN

- The design of electrical layouts using dedicated professional software packages (e.g. Altium)
- The design of Digital, Analogue and Power boards
- The design and Streamlining of PCBs
- Hardware Testing & Debugging
- The mechanical integration of Hardware
- Operating tests and design validation
- The redaction of Project documentation
- Traceability and life-cycle (Subversion)

How we work: firmware and software design

The development of firmware and software requires the ability to interpret the needs of the end user. Our basic structures are designed to offer the best user experience. This aspect gives the designed products their distinctive character and contributes to their market success.

The development of firmware in C/C++ language on Cortex-M architectures: Microchips, ST, NXP etc.

- The development of firmware in VHDL language on Altera and Xilinx platforms
- Operating System Support: Linux Embedded & FreeRTOS
- Software development (text-based and graphic languages: C, C++, C#, .Net, VisualBasic)
- Integration, coding & debugging activities for hardware, firmware and software
- Operating tests and design validation
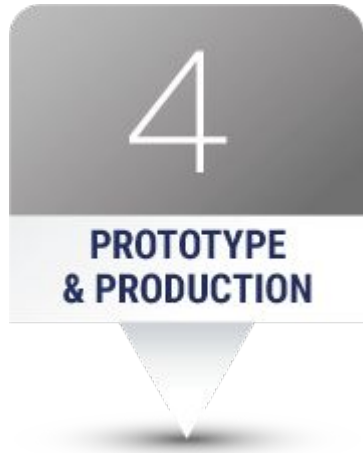- Traceability and life-cycle (Subversion)
- Type and qualification testing

3

FIRMWARE & SOFTWARE DESIGN

How we work: prototype and production

Once we have arrived at a prototype creation stage, we'll establish the optimum number of samples required to assess the level of industrialization and engineering of the finished product.

In this phase, the effectiveness of the dialogue between us and the customer is key to the success and reliability of the product. We provide the customer with the tools required to measure performance and functionality.

In summary, the prototyping and production phase includes:

- Prototyping / Sampling and pre-series production
- Product engineering and industrialisation
- The creation of testing and functional validation apparatus
- Duration tests, process/product FMEA

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PROTOTYPE & PRODUCTION

How we work: after sales support

The speed of technological product's evolution surprises us every year. We take part in the main trade fairs worldwide and we keep ourselves up to date with trade magazines and portals. Updating is an integral part of our work. Our customers appreciate our ability to develop products and maintain their operation over time. Our work doesn't end with the production stage.

During the product's life cycle, we carry out activities such as:

- Re-engineering or redesign of electronic boards
- Protection against obsolescence and monitoring of components at risk of obsolescence
- Repair and fault analysis services
- Evolutionary Product Maintenance
- On the rare occasions that a supplier decides to issue an EOL (End of Life) for a critical component, we inform our customers and propose new procurement options.

We support our customers even in this delicate phase in order to guarantee market presence.

5

AFTER SALES SUPPORT

Our products

OBJECTIVE: SET-TO-MARKET PRODUCT

The vision of the product becomes an immediate and accessible reality:
we will partner you in the development of the application from the hardware design phase.

We concentrate on the development of cutting-edge technologies for rapidly growing markets.

We provide our customers with the evaluation tools required to test the developed products. The availability of these tools allows you to optimise time-scales and focus on new applications.

We guarantee lifetimes of at least **10 years** for the products we make.

We create electronic **set-to-market** products and handle
the project's domain from conception to market operation.

Trust us with your project.

We offer a guaranteed lifetime of at least **10 years**.

PROJECT SERVICE

Tel. +39 035 4520100

info@projectservice.it

Via Paderno 31/C, 24068 – Seriate (BG) – Italy