

LIFE CYCLE SERVICE SOLUTIONS

MANUFACTURING

PROTOTYPING

Fast prototyping
Improvements suggestions
Materials management

DEVELOPMENT SUPPORT

Test concept design
Realization of Manufacturing
Test equipment

PRODUCT CARE

Reengineering
Redesign to cost
Obsolescence management

REPAIR AND MAINTENANCE

Failure troubleshooting
Guarantee on repairs made
Renovation

MB Elettronica represents a solid bridge between product development and producible products.
We also provide services of Fast Prototyping and After Sales.



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SOLUTIONS AND SERVICES FOR YOUR ELECTRONICS

Development Support

RESEARCH AND DEVELOPMENT

The company is committed to be in line with the challenges coming from the market and has invested in resources for engineering R&D.

The development team consists of a group of engineers who have gained a long experience in the electronics aimed at Security, Broadcasting, Railway and Industrial Sectors.



The main products designed also under specifications of the customers, are:

- Switching power supply modules, with output power up to hundreds of watts.
- Microprocessor based controllers (CPU, I/O, MMI, communication)
- Control and interface boards with microprocessor in EU1, EU2 standard
- Data communication bus cards according to the standard: CAN, RS485, RS232, Ethernet, USB
- Passenger Information Systems (LED displays, TFT monitors, audio amplifiers)
- Video surveillance system and back office analysis SW



Many of the devices designed by MB Elettronica are installed on highway surveillance System, telecommunication nodes, broadcasting, railway coaches, also high speed trains, underground vehicles. Thanks to the close connection between development and manufacturing facilities of MB, the customer can take big advantages in terms of quick responses to its problems and a very high level of flexibility.



AFTER MARKET ACTIVITIES

In After Market applications, MB can provide its Customers with:

- Re-engineering and re-design of electronic boards
- Obsolescence protection management (monitoring of components' obsolescence)
- Service on field and troubleshooting

ORIGINAL BOARD



REDESIGN



The activity is carried out on electronic boards designed and manufactured several years ago and now required as spare parts. The activity includes

1. Review of available documentation
2. Analysis of obsolescence
3. Analysis of compliance with current regulations
4. Interchangeability analysis of obsolete components.
5. Redesign and design and manufacturing documentation update

At the end if the previous checks reveals the presence of components that do not comply with current standards, or their obsolescence, the customer is contacted to discuss about possible solution.

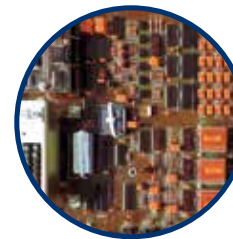
The activity continues in the following ways:

- The preceding points are satisfied, MB Elettronica can produce the board,
- In all other cases, MB Elettronica can re-design the item no longer reproducible as agreed upon with the customer.

SOME SCREENSHOTS



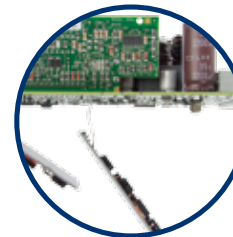
ORIGINAL BOARD



REDESIGN



ORIGINAL BOARD



REDESIGN

