



Infineon Preferred Design House

Mectronik s.r.l.
via dell'Artigianato ,5
37053 – Cerea (VR) – Italy

Contacts

Marco Cortecchia
marco@mectronik.com
+39-347-2406324

Mectronik srl

We are a small and dynamic company , located in North-Est of Italy .

After singular experiences in automotive field , Marco Cortecchia (software developer) and Claudio Gonella (hardware designer and system integrator) , founded the company in 2002 .

We born for Software development projects and system integration for motorsport applications, later in 2004 We developed our first hardware , an Engine Control Unit .

From 2006 We started our experience with Infineon products , using 8 / 16 / 32 bit automotive MCU and smart chips , both for our how products and on project for customers .

Experiences

During past Years , our main activity consisted in the design, production, development and technical support for engine control units intended for use on high-performance engines . Our systems are know for the hi level of flexibility , performance and reliability.

On recent Years , We expanded and increased our experience about alternative fuels , certification for safety (SIL/ASIL) and emerging standards (RTOS , protocols) .

From 2008 We designed and produced ECUs (both Hardware/Firmware/Software) for alternative fuels projects .

From 2010 We got good experience on small engines management systems , focusing on performance and problems related to battery-less systems .

Classic Support

Infineon AURIX and related products :

- 1st level customer support to ensure the successful developments of application with Infineon products / solutions
- Technical interface and support to the customer
- Drive the design in at the customer
- Trainings for design teams @customer
- 24hrs response time to the customer

Premium Support packages

Hardware :

- Design of mixed analog and digital circuits for automotive applications and critical environments .
- Problem analysis
- Components search and choice
- Schematics and PCD design for mixed Analog and Digital circuits
- Prototyping
- Support for certification about Safety and Standards
- Low and middle size production management

Software / Firmware relating to :

- Low Level Drivers for standard and custom RTOS
- MCU abstraction layer for Infineon Family
- Network protocols for calibration and diagnosis
- Porting and Design of RTOS to custom hardware
- Model Based Design and integration for custom hardware
- Calibration , Diagnostic and Analysis tools for PC and mobile devices
- Hi level applications , relative to automotive
- Support for certification about Safety and Standards
- Hi level automotive firmware
- Hi performance applications (motordports)