

Services and Corporate Vision



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Power Supply Design

- We offer ground-up design – starting with client specs and supporting with our experience to ensure a design that best meets the needs of the application
- Our focus is on DC-DC and AC-DC converters with constant voltage or constant current outputs
- Per client needs we can provide a schematic and BOM, but we can also:
 - Design the PCB
 - Build and deliver functional prototypes along with a design report



Power Supply Review

- We can review schematics for connection errors and BOMs for component value errors
- We can review PCB layouts for best EMC performance, and/or for best thermal performance
- We can perform functional testing of client's PCBs in our lab. Typical reports include:
 - Efficiency
 - Input and output ripple voltages and currents
 - Startup and shutdown behavior
 - Elimination of undesired behavior



Pre-Manufactured Power Supply Testing

- More and more applications use off-the-shelf power supplies designed and manufactured overseas with pricing that seems too good to be true
- These supplies carry all the correct markings (CE, UL, TUV, etc.)
 - But in many cases don't actually meet the safety and/or EMC specifications
 - Such supplies often do not meet their stated lifetimes
- We can dissect, analyze, and provide detailed reports on performance, temperature, efficiency, lifetime



Technical Training

- We can develop and present technical training in a seminar format or one-on-one
- We can present in English or Spanish
 - Written material can be in English or Spanish
- Common topics:
 - Introduction to switching power supplies
 - PCB layout for EMC
 - Focus on switching regulator topologies
 - Selecting external components for switchers



Technical Editing

- With eleven years of experience writing datasheets and application notes in the semiconductor industry and writing articles for technical publications, we´re well equipped to edit and refine the language and content of your technical documents
- As native English speakers, we can identify and correct cultural and contextual errors
- Examples
 - Papers and articles for IEEE or other industry journals
 - Product datasheets
 - Application notes



ESD-Protected Lab



Testing Station



Soldering and hot air reflow

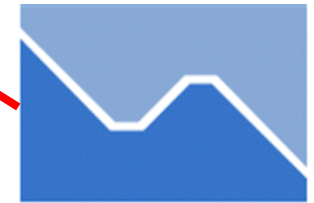
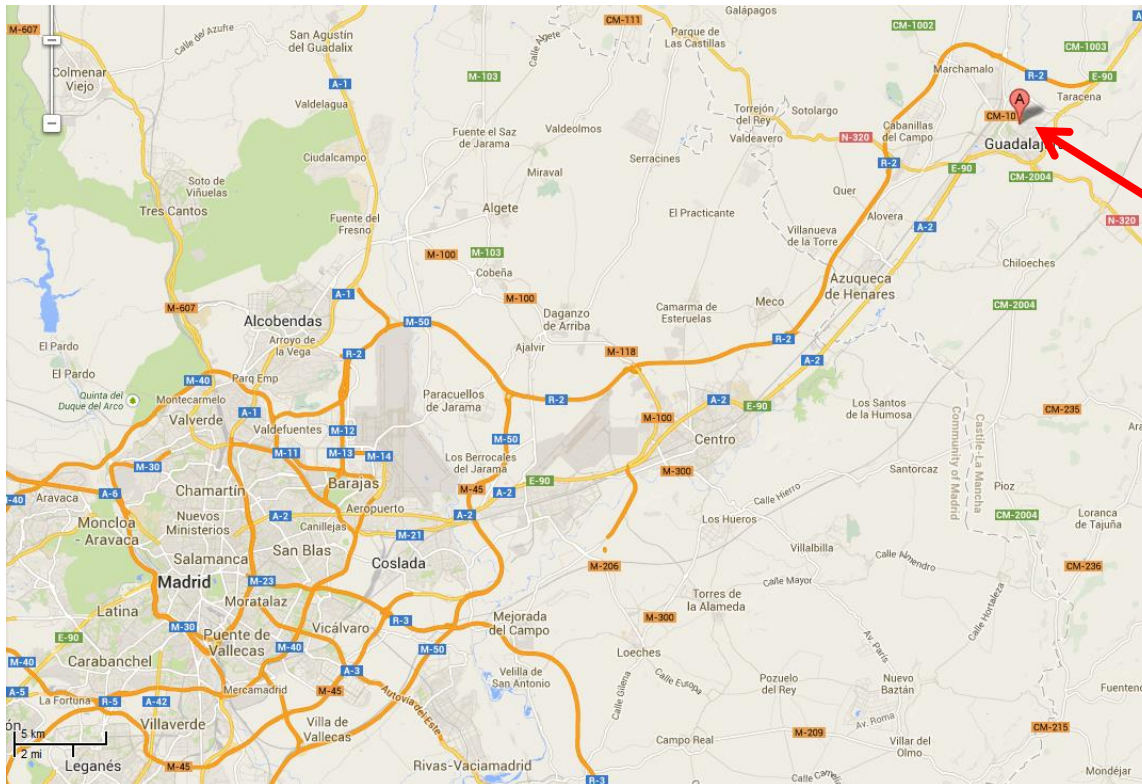


Network analyzer and LCR meter

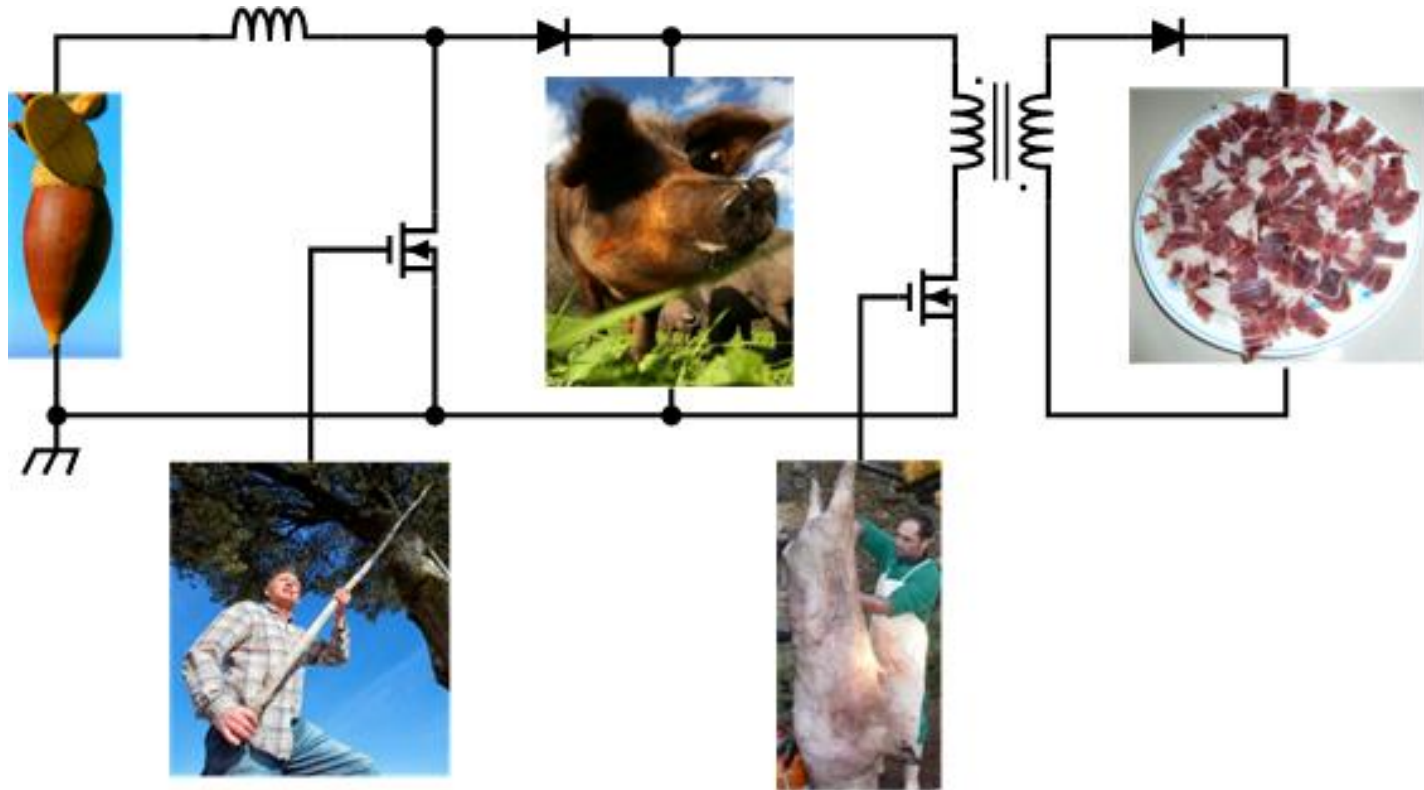


Location: Guadalajara, Spain

- Just 50 km from the center of Madrid
- Easy access to Madrid-Barajas airport for supporting Europe and beyond



A Sense of Humor and a Love of Power



We love power electronics almost as much as we love Spanish *jamón*!





The initials “PID” and our logo represent a “Proportional Integral Derivative” compensation for a power supply control loop.