

When your radio absolutely must work... You need a specialist... Choose the best.

When your wireless product absolutely has to work, Pinter Electronics Consultants is the only team for you. Our customers are companies who provide or develop technology but do not have the core competency to either manage technology projects or develop wireless technology. We handle assignments of all sizes, ranging from providing just the project plan and proof of concept to delivering the entire complete product development project.

We have been developing radios since cellular phones were the size of a brick. Wireless products... which we used to call radios... have come a long way in the last 20 years. Spectrum noise, signal integrity, EMC/ESD, PCB layout, parasitic capacitance, inductance and a host of other issues are not considered in typical digital or analog technology. They must be taken into account in radio and wireless product development. There is no need to invest in the learning curve or the equipment required to develop wireless products yourself... Get the best team to do the job for you.

Technical risks must be managed and overcome during the development of all technology projects, including those involving Wi-Fi and Bluetooth. Pinter Electronics Consultants has the training and experience in managing these risks. We use processes developed by the Project Management Institute to manage the risks, time and budget which ensure that a quality product, is delivered on budget and on time.

Project Management

- Requirements and specification development
- Proof of concept
- Technology project management
- Staffing solutions

Radio Frequency Development

- RF microwave system design
- PCB layout and PCB antenna design
- Bluetooth product development
- Wi-Fi (802.11) product development

Project Management

Product Development Management

“Pinter Electronics Consultants has been a huge asset to the development of our GPS tracking and logging devices. Expertise and a high level of commitment made it easy to streamline development work flows and achieve our milestones.

Pinter Electronics Consultants identified the development risks and established project procedures to reduce the impact of the risks during the project and kept the project on time and on budget.” Philipp Fuhrmann (Business Development Manager, Quino Solutions Inc.)

When you are facing tight deadlines, risk of cost over runs or have experienced previous failures developing electronic products, you need an experienced team to take control. As a member of the Project Management Institute, we pride ourselves in keeping up with the latest developments in project and program management.

Pinter Electronics Consultants can help you develop your next technology project by offering advice and leadership in:

1. Technology requirements development
2. Proof of concept studies
3. Developing milestones and work packages
4. Ongoing project management
5. Project closing and reviewing lessons learned

Radio Frequency Development

When you consider the costs, risks and the specialized high level technical skill required to build an RF engineering capability you need an effective solution. With more than a decade of experience designing and developing cellular, Wi-Fi, satellite systems and other custom radio products, we can be your RF engineering department.

Pinter Electronics Consultants can help you develop your wireless design by providing technical expertise in:

1. Radio frequency spectrum research
2. PCB antenna design
3. Wi-Fi (802.11) wireless product development
4. Bluetooth product development
5. Industrial radio technology

Wireless Design

“[Pinter Electronics Consultants provided] a comprehensive test plan and worked closely with the design team to solve multiple radio and antenna issues... Chris’s professional take charge leadership made the difference when he had to travel to Japan to help the radio module vender find an elusive problem and provide a solution that allowed the [Zune] product to launch on schedule.” Ron Newton (HW Design and Test Engineer, NWCS-Microsoft)

Our customers confirm... Yes... We are qualified.

"[Pinter Electronics Consultants] was hired to work on two projects - 2.4 GHz industrial radio prototype development and a 2.4 GHz RF link improvement. [They] delivered great results in both cases. Many thanks."

Wayne Butner (Project Manager, Veriteq Instruments)

"Having Chris [Pinter Electronics Consultants] as a part of our development and design team gave us the RF expertise required to successfully complete our project. I would highly recommend Chris to any company requiring RF design and implementation expertise." Joe Newton, Asct (Research Head Automation, Electronic and Renewable Energy, BCIT Technology Centre)

Capabilities

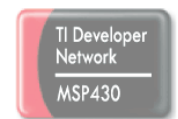
When you develop Wi-Fi, WiMAX, GSM and Bluetooth products you need a variety of test equipment and software. We develop products using state-of-the-art technology with OFDM, DSSS, FHSS and hybrids of these systems. Here is a list of some equipment we utilize to create the next generation of great technology.

Test Equipment

ETS Lindgren RF Shielding Faraday Cage (10 Hz to 10 GHz)
Agilent MXA Vector Signal Analyzer N9020A (20 Hz – 26.5 GHz)
HP 8753C Network Analyzer (300 kHz to 6 GHz)
HP 85047A S-Parameter Tests Set (300 kHz to 6 GHz)
HP 8350B Sweep Oscillator
HP 83592C RF Plug In (0.01 – 20.0 GHz)
Agilent HP E4421B Signal Generator (250 kHz to 3.0 GHz)
Agilent 346A Noise Source, (10 MHz to 18 GHz), nominal ENR 6 dB
Agilent 54642D 500 MHz Mixed Signal Oscilloscope
Tenma 72-5085 Universal Test Center (30 Hz to 1300 MHz)
Fluke 877 Digital Multi Meters

Software

SuperNEC Antenna Simulation
Inoveda PCB/Schematic
Protel Schematic/PCB
AutoCad
Solidworks
Matlab with Simulink



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