



Third Party Services

In addition to producing our own proprietary products, we are able to offer potential customers a number of additional services drawing on our extensive experience and history in our field. Here we outline the range of services we can provide to third parties, from simple consultation to a complete product design cycle.



■ **Design & Development**

We are able to offer a complete design and development service to third parties for technologies within our range of capabilities from initial concept through to finished product and manufacture. Alternatively we are just as happy to take on a small part of your own design, whether it be outside of your own specialty or simply to provide additional resources.

Complete electrical design, packaging and drafting including all PCBs and metalwork can be undertaken and a completed product and documentation supplied ready for shipping.

Our low overheads and efficient working arrangement mean we can usually offer a lower cost and faster time to market compared with larger organisations.

■ **Consultation**

Need some help? If you do not need full design and development but simply need additional input or advice, we offer a consultation service based on a simple hourly rate plus expenses. Drawing on our extensive experience we are able to provide solutions to your problems either remotely or through arranged visits.

Our consultation services cover electronic, RF & microwave, equipment and system integration and software solutions.

■ **Software Development**

We are able to undertake software development in our specialist areas of MMI (Man Machine Interface) including equipment control and display and custom database systems.

■ **Embedded Programming**

We can offer embedded programming solutions using PC/104 bus modules from single microprocessor boards for equipment integration to standalone processing cores complete with networking or remote communications, fixed or mobile power solutions and ruggedised enclosures. Simple microcontroller units may also be utilised for smaller applications.

■ **Equipment Integration**

We are able to provide equipment integration services ranging from equipment specification, interfacing requirements, installation and testing.

■ **System Integration**

Our experience with government and military contracts and project management means we can offer complete system integration services to our customers, from initial system planning to sourcing, installation and testing.

■ **Outsourcing**

Let us do the footwork! Through our experience and history we have developed a wide knowledge of our market and have forged close relationships with an extensive range of companies, consultants and organisations from which we can supply components, products or services in addition to our own. This means that we are often able to provide complete solutions to your problems quickly and competitively meeting all, not some, of your requirements. We pride ourselves in being able to offer complete turnkey solutions wherever required.

■ **Obsolescence**

Don't throw it away just yet! Often we are approached to offer a replacement for complete equipment due to obsolete components whereas it may be feasible and more economical to design out the obsolescence. With our low overheads and responsiveness we are in a prime position to take on such tasks and provide an affordable solution.

Capabilities

Here we outline our range of capabilities broadly classified by technology, and detail our design facilities.

■ Audio products or digital audio streaming

- Audio amplification and distribution products
- Audio digitisation, storage, replay and streaming in PC or embedded applications.

■ Data Handling and Distribution

- Data conversion, clock and data combination and recovery.
- Data distribution products to 155M.bit/s.

■ Video Handling and Distribution

- Video amplification and distribution products.
- Video image capture and processing.

■ Radio Frequency/Intermediate Frequency

- RF & IF frequency products.
- Amplification and distribution.
- Cable drivers (amplification, equalisation, matching).
- Frequency conversion (single or dual conversion).
- Digitisation and display.

■ Microwave

- Microwave frequency products.
- Amplification and distribution.
- Cable drivers (amplification, equalisation, matching).
- Frequency conversion (single or dual conversion).
- Microwave block upconverters or downconverters.
- Tuned preselector filters.
- Complete receiver front-ends.

■ Millimetric

- Millimetric block upconverters and downconverters.
- Receiver frequency extenders.

■ Fibre-Optic

- Audio links.
- Video links.
- RS232 serial links.
- IF & RF links.
- High dynamic range wideband IF links.
- Microwave links.

■ Professional Battery Charging

- Professional battery charging products for various chemistries.
- NiCd, NiMH and lead-acid.

■ Component Based PSU Design

- Modular switch mode power supply units to 250W.
- Power factor correction
- Low noise regulated outputs.

For further information or a quotation for your requirement, please e-mail or fax your enquiry stating quantities and details, or visit our Product Configurator at: <http://www.comss.co.uk/content/configurator.htm>

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