

Services: Product Design

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Practical Control's product design team have undertaken over 150 projects.

We engage with small and medium enterprises (SMEs), multi-nationals and entrepreneurs. We can provide full end-to-end product development or a specific part of the product design lifecycle. We have experience in the following areas of product design:-

- Requirements Capture and Specification
- Concept Design (hand illustrated and CAD)
- Prototype CAD and rapid prototyping
- Electronics Design
- Electrical Design
- Firmware (Embedded Software) Design
- PC Software Design
- EMC testing and CE (European) or UL(USA) compliance
- Prototype Manufacture
- Manufacture

Practical Control's Research and development team can be involved at any point in the product design lifecycle , for example:-

New Product Design: Early stage

We can provide ground up design of a new product development from your specification or assist with the specification process.

New Product Design: already partially developed

It is often the case that an existing development route has hit problems perhaps due to over stretched resource, resource needs to be diverted to other areas of the business, or an initial choice of current partner has simply not worked out.

Product re-design / Cost Reduction

We can evaluate and re-design an existing product with upto-date technology blocks and design for manufacture (DFM) considerations. This could be to cost reduce an existing product or bring in new technologies such as USB, Ethernet, Wireless.

We are familiar with industrial, consumer and healthcare products and can work with the following technologies:-

- Ultrasonics
- Wireless technologies
- Signal Processing
- Media; audio and video

- USB devices
- IP/Ethernet enabled devices
- Low power handheld devices