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## a leader in the field of electronic design and production

Established in 1992 and still managed by its founders, Triteq is a principle leader in the field of electronic design and production services, with a proven track record of producing winning products for a wide range of clients and industries.



## triteq

Triteq has over twelve years experience in product development within numerous industrial and consumer sectors and has built a solid reputation. This is proven by the fact that almost 35% of new business won is through customer referral.

Its resolute methodology and foresight has resulted in the company's evolution in its design, production and manufacturing facilities. The company's mission is "To be the leading European centre of design excellence and innovation in electronics".

## relationships

Triteq's clients cover a wide range of industry markets including Medical, Oil and Exploration, Telecommunications and Innovative for emerging entrepreneurs.

Triteq builds strong, long-term relationships with its clients and maintains industry leading standards of design, production and service excellence.

## innovation

Choosing the correct technology partner is fundamental to maintaining and growing any business investment.

Triteq assists businesses and entrepreneurs by providing complete innovative design solutions from concept to circuit design, software, prototype, tooling, project management and finished product.

# our mission: to be the leading European centre of design excellence and innovation in electronics

## technology

Triteq works with and enhances the very latest in electronic design solutions and ensures that its staff are compliant and expert in these and emerging technologies. It specialises in specific solutions to address its customer's requirements such as, control platforms, electro-mechanical design and telemetry technologies including GPS, GSM, GPRS and Bluetooth for communication, information, control and reporting.

## excellence

Triteq believes that its sustained growth and major investment in its staff, design and production facilities, client relationships and emerging, innovative technologies, prove its qualities of excellence within the electronic, design and production industry.

## quality

Triteq has full design house, production and medical 'clean room' secure test facilities, situated in its high-tech rural location in Stype, Berkshire.

Achieving ISO9001 registration for its design and production services, Triteq continues to adapt its quality management systems to comply with other industry control standards ensuring it is compliant and expert in its field.

## Triteq uses five key steps across the life of the project. Below you can follow the essential steps involved in taking a product from concept to production.

### stage one

#### initial briefing and design process

From the initial meeting, to understand your requirements, we start the design process by preparing budget costs and timescales for the project. This may involve research into the technology and feasibility for the design and additionally assessing approvals and certification that may be required for the final product. Our ISO9001 procedures are used to control each step of the development and with our extensive and strategic project management skills, we will work closely with you to deliver your product to market.

**triteq has the core skills and structure to deliver your project on time and within budget**

We will prepare a detailed specification identifying the key functions and components for the design. From this we provide a fixed-cost for the following stages of development. Always working with an eye on manufacturability of the final product, concept drawings will be prepared. We aim to achieve the most cost-effective methods of manufacture and monitor the fit of the electronics within the product enclosure, as this is essential for a successful design. Reviews are planned throughout the design allowing us to give you frequent updates on progress.

**triteq always design with the manufacture of the product in mind from the outset**

### stage two

#### concepts and costings

### stage three

#### circuit design and software development

Factors such as function, cost, volumes and production methods influence the circuit design. Triteq's designers are experienced in a range of electronic technologies and will select the most appropriate for your application. We check every component against obsolescence over the expected life of the product. Control of the design is maintained through layout of printed circuit boards and assembly of the prototypes by our in-house production staff. We also write the embedded software code for the product and carry out extensive testing of the complete prototype system to ensure it meets the specification.

**control of the design process through regular peer reviews ensures designs that work first time**

Using 3D solid modelling and rapid prototyping methods we are able to produce design samples that are representative of the final product. Testing and verification of the design along with user feedback is analysed allowing improvements to the function of the product to be made before a commitment to production tooling. Triteq are experienced in the development of safety critical systems and therefore safety, risk assessment and failure mode analysis can be carried out throughout the design process as required.

**rapid prototyping allows you to evaluate and use design samples before an investment is made in production tooling**

### stage four

#### proof of concept, rapid prototype and tooling

### stage five

#### production and implementation

Using Triteq's on-site production facility a pre-production batch of the product will be manufactured. The product designer is on hand to help resolve any assembly problems and to help optimise the production and test process. This ensures that the final product is delivered to you successfully. Our engineers can also assist with the formal test and approval process for the final product.

**our design, production and test facilities allow us to deliver a complete design and manufacturing solution for your product**