



# Integrated electronic development

## Coherent electronic design backed by rigorous testing

- User, system and compliance requirements definition
- Alternative system architecture concepts
- Schematic design and component definition
- Performance simulation and development
- PCB layout, wiring design and bills of materials
- Software and firmware integration
- Prototyping and pre-compliance testing
- Manufacturing sourcing
- Management of compliance testing

### What we provide

Lucid's team has been involved in the development of analogue and digital electronic products for over 20 years.

Our design process is driven by users, creating design ideas that offer flexible, sustainable and reliable means of delivering competitive product, using as little power and as few resources as possible. At Lucid we make prototypes as early as possible and keep making them throughout a development, verifying and improving design with feedback from users.

Our sector experience ranges from high and low voltage medical treatments to lighting, point-of-sale promotional equipment and portable Bluetooth consumer communications devices.

### Seamless design integration

Our integrated electronic and mechanical design team makes developing truly integrated electronic products easier. As the whole team is familiar with the process, miniaturisation, thermal and fit-to-enclosure issues are reduced. We often collaborate with external software or specialist electronic teams, delivering the same integrated services.



### Manufacturing and compliance

As an ISO 13485 accredited medical device design business, Lucid's people constantly manage risk. We are familiar with the constraints of ATEX, High voltage, EMC and other compliance regimes.

Working with manufacturing and regulatory compliance partners world-wide, our engineers help create products at a competitive price, safely and delivering outstanding user experiences.