

Innovation · Industrial Design · Mechanical Engineering · Electronics · Software · Optics · Manufacturing Processes · Supply Chain



## PortaPack™ Ventilator Battery Back-up

ResMed had a problem: they knew they could sell more of their core product, but they needed an accessory to do so.

The company is at the forefront of treating sleep-disordered breathing that affects up to 20% of the adult population. The business case was clear for a back-up battery for this fast-growing market, but how could they divert resource from launching new core products?

CDP filled the gap, using our regulatory knowledge and product realisation skills to go from 'Opportunity to Operation.' We designed and prototyped the battery back-up system from scratch, sourcing components from around the world and arranging manufacture.

### Skills deployed

- Complete product design
- Project and supplier management
- Certification to Medical Devices Directive
- Prototyping and testing

### Technical Highlights

- High capacity, high current Li-ion batteries and charger
- Hot-pluggable, multiple batteries
- Fast (4 week) production injection mould tools from within Europe at Far East competitive prices

ResMed now has a vital accessory in their portfolio, achieving it without disturbing their existing developments.

'We love the battery and can't wait to work with it. We showed it to a physician that is a large customer of ours and he was also very excited.'

*Clinical Sales Representative*

[www.resmed.com](http://www.resmed.com)



### For more information:

Phone: +44(0)1223 264428

Email: [info@cambridge-design.co.uk](mailto:info@cambridge-design.co.uk)

Website: [www.cambridge-design.co.uk](http://www.cambridge-design.co.uk)