

# Custom manufacturing & design services

*From ebm-papst UK*

**ebm****papst**

engineering a better life





# Comprehensive manufacturing *and design services*

We offer a specialised 'one-stop' outsourcing solution, enabling you to transfer specific production processes directly to us.



At ebm-papst UK, we go beyond fans and motors. With 60+ years of engineering expertise, we streamline production, cut costs, and enhance efficiency. Our one-stop outsourcing solution covers everything from design to final assembly, letting you focus on core business operations.

### Your One-Stop Solution

Our in-house capabilities include sheet metal fabrication, cable assembly, connectorization, box-build, and testing. Skilled Engineers ensure precise assembly and certification to the highest standards.

### Why Partner with Us?

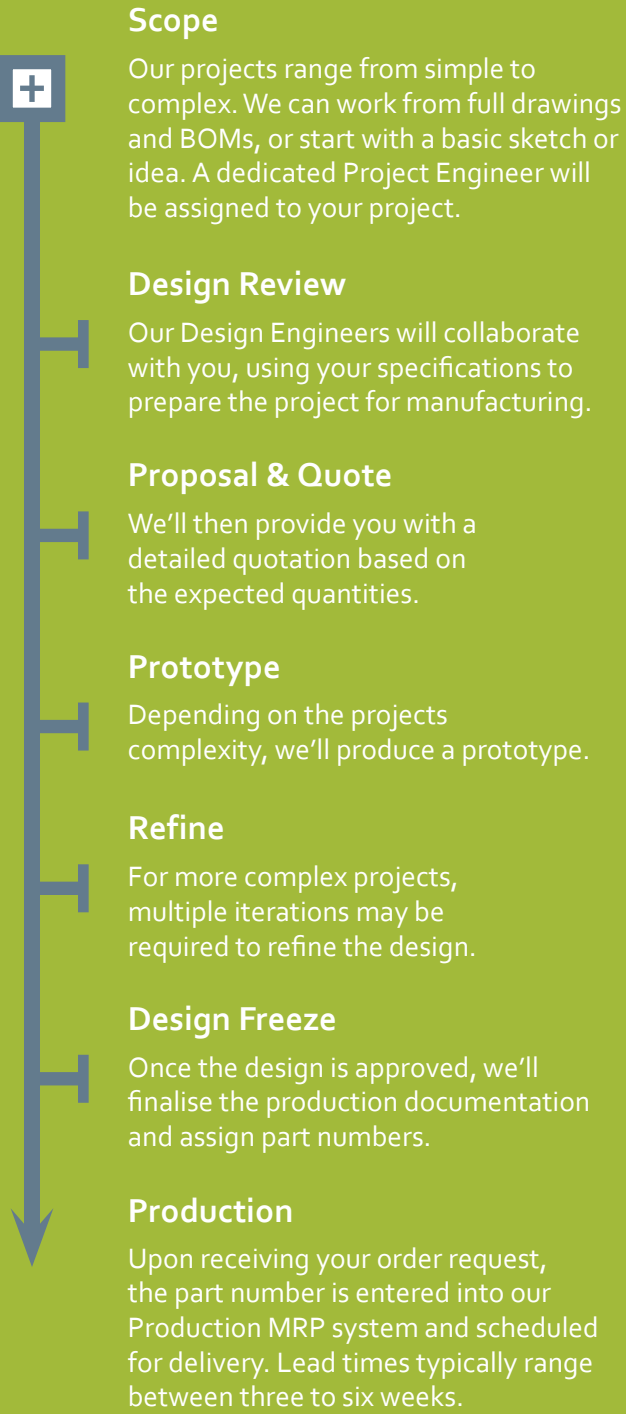
Leverage our expertise and global reach to create intelligent, energy-efficient solutions. Let's simplify and optimise your manufacturing process.

*"We take immense pride in offering an exceptional contract manufacturing and design service, tailored to your unique needs. With decades of experience, our team of skilled mechanical and electrical Engineers leads the way in innovation, ensuring quality and excellence across all projects."*

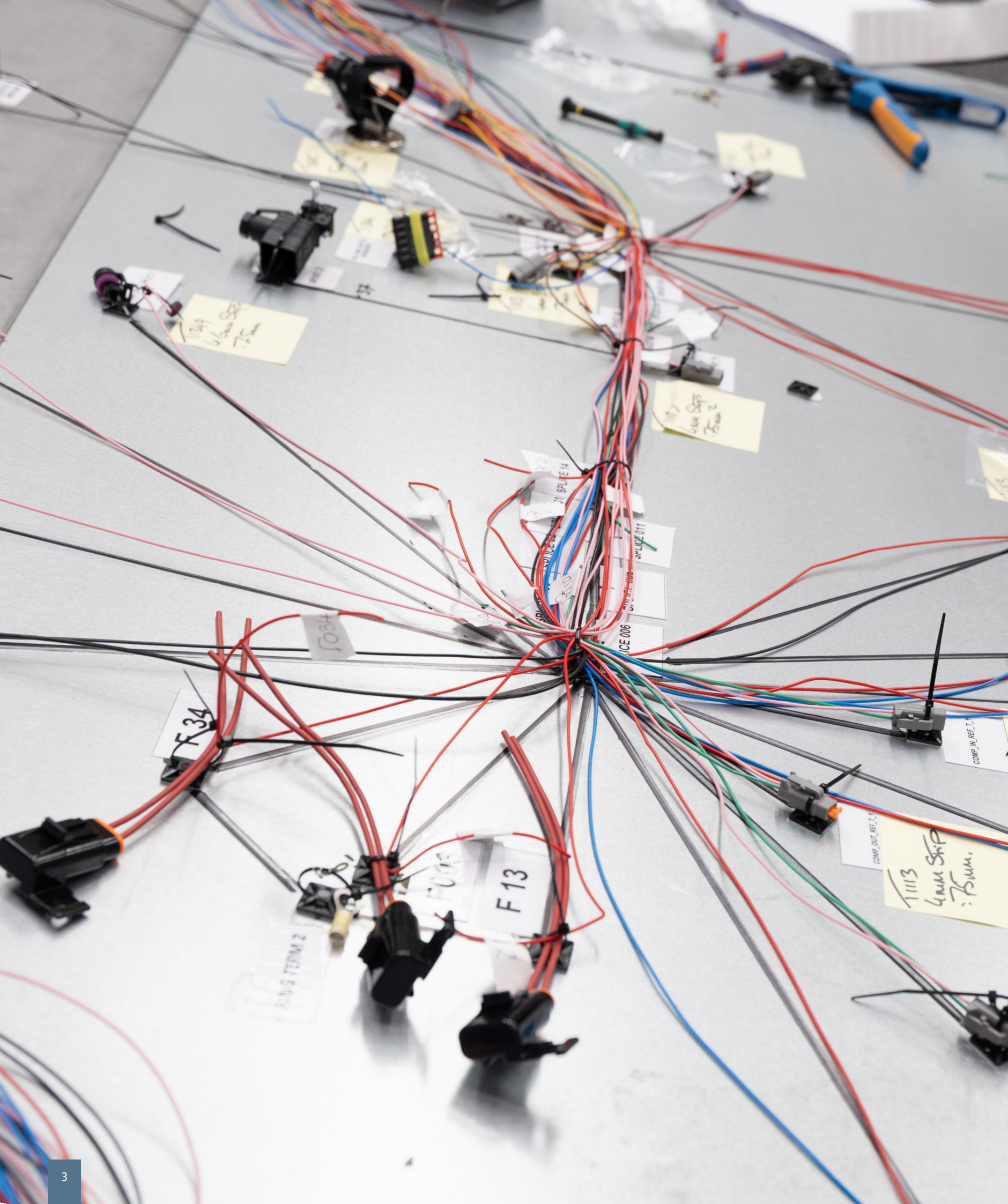
*Whether it's HVAC, Telecoms & Electronics, Transport, or the Science & Medical sectors, our expertise guarantees that every project meets the highest standards."*

*Jamie Slowgrove,  
Managing Director*

# Your production programme







# Simplify, enhance and improve *your manufacturing capabilities.*

## Simplify

**Reduce Suppliers:** a single supplier simplifies procurement, reducing management efforts for a seamless operation.

**Enhance Lead time:** Our sub-contract manufacturing eliminates stock issues, ensuring components arrive on time, improving product flow and reducing delays.

**Reduce Inventory:** Receive finished products instead of components saving space and cutting assembly costs.

## Enhance

**Expert Assembly:** We provide precise electrical and mechanical assembly, ensuring top-quality results.

**Flexible Workforce:** Scale production to meet demand while keeping in-house teams focused on core activities.

## Improve

**Cost Visibility:** We consolidate expenses for a clearer understanding of total production costs.

**Simplify Cash Flow:** One supplier, one invoice - streamlining financial management.

**Supplier Management:** We handle supplier relationships, giving you a single point of contact.



# Smart manufacturing

## *Precision, performance, progress*

### Precision

**Optimised Product Performance:** Our labs and CFD simulations enhance efficiency, reduce noise and lower power consumption.

**Rapid Prototyping:** In-house 3D modelling and fabrication bring ideas to life quickly.

### Performance

**Tube Bending:** to up 63.5mm with 185° angles in steel, stainless steel, and aluminium.

**Folding and Punching:** High precision fabrication for complex projects.

**Welding:** MiG, TiG, MMA, spot welding, and brazing for durable joins.

**Cable Harnessing:** Automated cutting and crimping for high-efficiency wiring solutions.

**Bespoke Testing:** Dielectric and earth bond testing for safety and compliance.

### Progress

**Electronics Design:** Custom firmware and hardware for advanced solutions.

**Control Interfaces:** 0-10V/PWM & Modbus compatible controllers.

**IoT Integration:** Cloud connectivity for real-time monitoring & proactive maintenance.

Would you like  
to know more?





# Our proven track record.

## Challenge

A customer needed a reliable mobile floodlight unit but was juggling parts from five suppliers. This led to higher costs, longer lead times, and unnecessary complexity.

## Solution

ebm-papst UK provided a complete sub-assembly - featuring a controller and pressure sensor - designed, built, and tested under one roof. This plug-and-play approach streamlined procurement and boosted efficiency.

## ESG Impact

By consolidating production, the customer reduced transport and packaging, while ebm-papst UK's energy-efficient components lowered the overall carbon footprint.

## Key Takeaways

- Supply chain simplified from five suppliers to one;
- 30% savings in component and labour costs;
- Faster lead times;
- Quality assured through ebm-papst UK testing and warranty.

## Challenge

A medical customer required two fans wired together with correct connectors, all meeting strict compliance standards. Sourcing and assembling parts from multiple vendors caused high costs, extended lead times, and potential errors.

## Solution

Collaborating from the start, ebm-papst UK reviewed initial drawings, created a compliant sample, and refined the customer's design for easier assembly. This single-source approach delivered a fully tested, warranted product that meets medical regulations.

## ESG Impact

By reducing supplier numbers and in-house rework, the process minimised waste and resource use - an important step towards greener medical operations.

## Key Takeaways

- Correct crimp specification and full medical compliance;
- Streamlined design and reduced assembly time;
- Robust, warranted solution.

## Challenge

A leading spectrometry company struggled with high costs and quality issues from multiple suppliers for their cooling systems. They needed a dependable, end-to-end partner who could simplify production and ensure top performance.

## Solution

ebm-papst UK created a fully assembled, tested fan mounted in a custom metal enclosure - punched, bent, welded, and painted via specialist partners. Once painted parts returned, the fan was installed and thoroughly tested.

## ESG Impact

Producing most components under one roof cut down on transport emissions and enabled an energy-efficient fan, meeting both performance needs and sustainability goals.

## Key Takeaways

- One-stop solution replaced multiple vendors;
- Reduced lead times and labour costs;
- Fully tested for reliability;
- Lower environmental impact through consolidated production.



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

**ebm**papst

engineering a better life

**ebm papst UK**  
Chelmsford Business Park,  
CM2 5EZ, United Kingdom  
+44 (0) 1245 456530  
[info@uk.ebmpapst.com](mailto:info@uk.ebmpapst.com)

