Proudly designed & manufactured in Manchester, UK

DarlingtonEMS

Innovation-led electronics design & manufacture



From Concept to Production. All Under One Roof in Manchester, UK.

One partner. Complete electronics capability.



Darlington EMS brings product development, electronics design, software, prototyping and manufacture together within one experienced UK team.

From an initial concept or technical challenge through to production and ongoing product evolution, we provide the expertise and capability to support the complete product lifecycle.

Product development & engineering.

Our experienced design team works closely with customers to turn ideas, requirements and technical challenges into production-ready solutions. You don't need to arrive with a finished specification — we can define the right approach and provide the hardware and software expertise to bring your product to life.

With design and manufacture working together, performance, reliability, cost and manufacturability are considered from the outset.

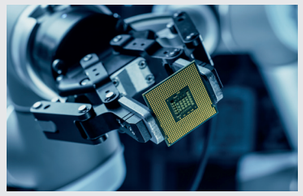
- **Electronics & PCB**

  In-house PCB design & layout | Analogue & digital electronics | Circuit design | Prototyping
- **Software & connectivity**

  App design | Software programming across multiple devices | Remote monitoring | GPS | GSM
- **Sensing & control**

  Humidity, pressure, temperature, infrared & microwave sensing | Human detection | Security access systems

Manufactured in-house. Built for reliability.



Our Manchester facility provides a seamless transition from prototype to repeat production, backed by advanced equipment, experienced people and rigorous quality processes.

- **PCB assembly**

  SMT & through-hole assembly | AOI | Functional testing
- **Wiring harnesses**

  Complex looms | Cable assemblies | Heavy-duty cables | In-house testing
- **Panel build**

  Bespoke control & power panels | Prototype to repeat production
- **Testing & validation**

  Integrated inspection | Electrical & functional testing

One facility. Greater control.



Keeping design, development and manufacture together in Manchester means fewer handovers, greater control and better protection of your IP - with direct access to our team for faster decisions and responsive problem-solving.

Protect your IP | Accelerate development | Respond quickly to change | Reduce supply-chain risk | Maintain quality & traceability

A UK electronics partner you can rely on.

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Proven across demanding applications and industries.



Our electronics expertise supports customers across a wide range of industry sectors where reliability, performance and responsive technical support matter.

Automotive | HVAC | LED Lighting | Renewable Energy | Motor Control | Industrial Controls | Audio

Telematics | Power Distribution | Marine | White Goods | Defence | Robotics | Medical

From challenge to working solution

We solve technical problems, develop new products and support customers through manufacture and ongoing product evolution.



Pumptrace - Smart water monitoring

Developed by DEMS, this app-based water ingress monitoring system combines electronics, sensing, software and remote monitoring in one integrated solution.



Emergency One - Emergency Vehicles

DEMS interpreted complex drawings, produced prototypes and delivered production-ready wiring harnesses for front-line fire engines.



Street Crane - Integrated manufacturing

Wiring harness production evolved into sub-assemblies and fully assembled, tested panels — improving throughput, consistency and manufacturing efficiency.

Expertise behind every solution

Our experienced engineering and manufacturing teams combine technical knowledge with practical problem-solving.

You work directly with people who understand your product — from development and design through to manufacture, testing and ongoing support.

Experienced people | Direct communication | Practical problem-solving | Long-term partnership

Visit darlingtonems.co.uk to discover more.

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Have a product idea, technical challenge, or manufacturing requirement?

Talk to us.

You don't need to have all the answers... that's where our experience can help.

Expert design, engineering and manufacture - backed by advanced technology, rigorous quality standards and continued investment.

- ISO 9001 accredited
- Modern, purpose-built manufacturing facility
- Continued investment in advanced technology
- Experienced, stable technical team

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