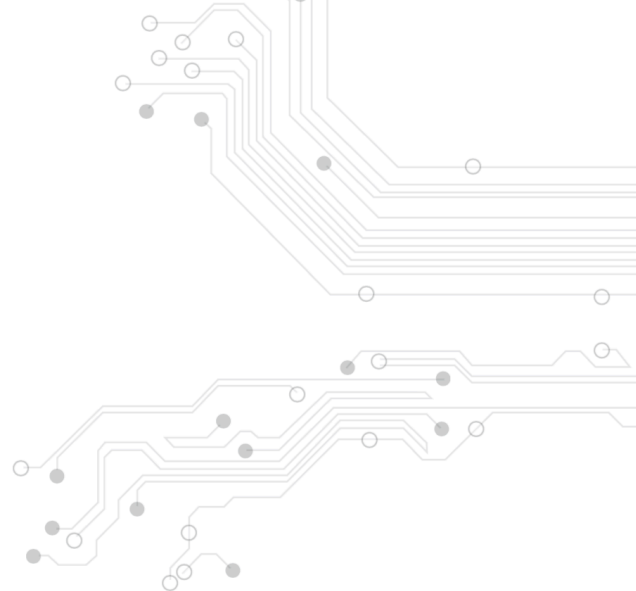




*Complete Electronics Solutions*





## *Your partner for automotive electronics solutions*

### *Complete Electronics Solutions*

Nortek has been designing and manufacturing specialist electronics products for more than 30 years.

We develop and supply the highest quality electronics solutions supported by our long lasting relationships with world leading innovative supply partners.

From the briefest of specifications, and using the very latest technology, our in-house electronics and software design engineers can turn your concept into a working and fully tested product, ready for fitting into a vehicle.

Once the prototype is approved we can supply both small and large production runs from our comprehensive modern production facility, with the option to schedule or call off your production requirements.



### *Main Products & Services*

We offer a wide range of products and services including:

- **Voice Alert Systems**
- **Lamp Monitoring Modules**
- **Dual Automatic Lighting Controls**
- **Variable Timer Modules**
- **CANbus Interface & Monitoring**
- **Body Control Modules**
- **Auxiliary Fuse & Relay Boards**
- **GPRS Digital Clocks**
- **Dual In-Cab Dash Cameras**
- **LED Lighting**
- **Wiring Looms**
- **Sub-Contract Assembly (CEM)**
- **Hardware & Software Design**
- **Induction Loop Systems**

### *Applications & Markets*

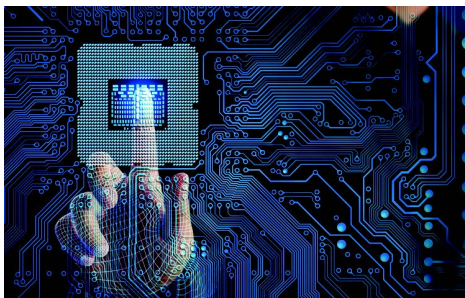
All of our products are designed and produced in house at our UK manufacturing facility and supplied to industry leading companies operating within the following industry sectors:

- **Bus and Coach**
- **Light and Heavy Goods Vehicles**
- **Refuse Collection Vehicles**
- **Fire Trucks**
- **Road Sweepers**
- **Specialist Vehicles**
- **Vehicle Conversion**

### *Contract Electronics Manufacturing*

Our experienced engineering and production departments have worked closely with various customers across a wide spectrum of industry types to manufacture PCB's and box builds to their designs.





## Custom Solutions and Quality Management

### Custom Solutions

We develop and manufacture bespoke electronics solutions for incorporating into OEM equipment. The scope of the design manages thermal, electrical and mechanical constraints with a view to producing the most economical, reliable and efficient 'component' for the application.

At Nortek Electronics, we have a highly knowledgeable and experienced design, procurement and manufacturing team with a very customer centric focus.

Our ambition is to deliver first class, quality products, on-time and within budget, and this is where we excel.

Whether you are looking for a complete product design and development from our in-house engineers, or if you simply require a CEM partner to support your PCB assembly and box build requirement, we are confident that we can both meet and exceed your high expectations.

### Quality Management Systems

We are committed to quality management and industry recognised standards and are proud to have the following certification:



Certificate Number 12063-QMS-001

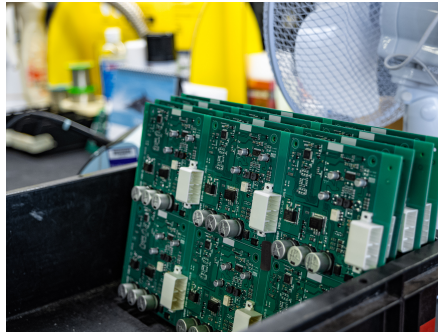
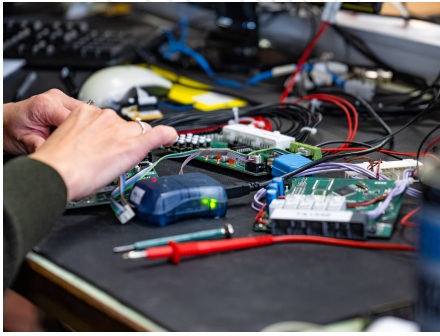
### Resource Savings

- Supplier Selection
- Quality Control
- Purchasing Effort
- Goods-In Inspection
- Testing
- Inventory Levels
- Direct Labour
- Stock Management
- Invoices Payable

### Core Competencies

- Worldwide Supply Partners
- Global Logistics Capabilities
- Quality Management Accreditation
- Multiple Sector Experience
- Customer Focused Approach
- Value Added Services
- Flexible Design Approach
- Small & Large Volume Demand Support





## Design and Manufacture



### Custom Vehicle Electronics

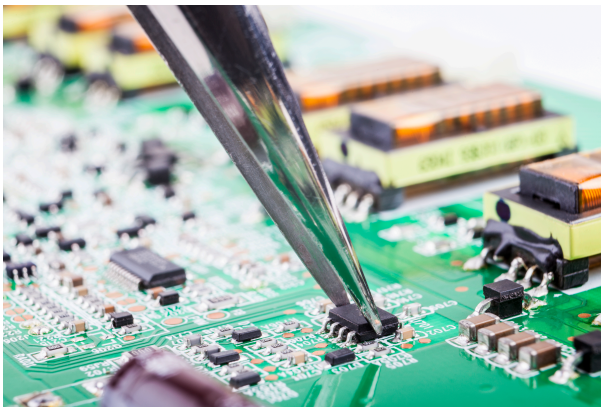
Nortek has designed and manufactured products for reading vehicle system status from CAN bus signals, vehicle annunciators, lamp fault check systems.

Typically, we have handled requirements which fall outside of the major manufacturers coverage, and often don't get addressed by them.

Our expertise covers electronic design, software design and creation, and electronics manufacturing. All of our products are manufactured in the UK.

To list a few other products which we designed and manufactured, and are able to demonstrate:

- **AVAS system required for vehicle operation in London by TfL. Their current system of sound alerting, rising in tempo with vehicle speed is provided by ourselves. The passenger vehicle induction loop systems for hearing aid users (again TfL), so that our annunciators can also be heard by those with hearing based disabilities.**
- **Automatic light control in passenger vehicles via analogue twilight sensor.**
- **Automatic engine cut out operation either on timeout, or in the case of fire.**
- **Fire suppression system annunciators, which provide the interface between the vehicle operator and the fire suppression system.**
- **Logic controllers as replacements for PLCs for passenger vehicle combinational logic control, for end users who were late adopters of CAN systems.**
- **Geo fencing, using vehicle position from GPS to modify vehicle operations.**
- **Passenger clocks for coaches which use GPS to always show the correct time, and auto adjust for location and daylight saving times.**





*We support our customers by providing products and services of exceptional value which help them gain a competitive advantage in their markets'*



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