



EV SUPPLY CHAIN DIRECTORY



► Foreword

The automotive world is undergoing a transformation – and the UK’s supply chain is poised to play a pivotal role.

Britain already has a world leading market ambition, to end the sale of non zero-emission cars and vans in 2035, and we can – and must – match that with a manufacturing ambition to build finished vehicles and components for the electrified age.

The scale of the prize is monumental. UK Automotive turns over £67 billion a year, and Britain’s automotive manufacturing industry is one of the most diverse in the world, producing everything from cars and vans, to buses, trucks, high performance sports cars and luxury vehicles. Underpinning that production is a vast, skilled supply chain that is eagerly embracing the zero emission transition and is primed and ready to go with the right investment, backed by Britain’s low carbon energy mix and outstanding reputation for R&D. The UK is truly a workshop for the world and ready to build the components and vehicles needed for a net zero world.

Britain is very well placed to capitalise in this space - with a number of excellent assets, a thriving ecosystem, and a rich heritage. At SMMT, we’re here to support. We want to help companies looking to establish themselves in this new world and parts supply landscape.

SMMT works tirelessly to support the sector and engages with government to ensure the automotive sector can deliver on its full potential – calling for support and a more internationally competitive landscape, with a playing field that is more level, to allow the UK’s excellent companies involved in the design, development and manufacture of EV components, to thrive and grow.

SMMT will be there to support. Critical to success in this space will be the UK’s vehicle ecosystem. Through collaboration and partnerships, businesses can work together to maximise the collective opportunity. They can grow together by working together to provide better products and solutions. This is a competitive advantage the UK industry can absolutely develop independent of external factors. And SMMT can be the place this happens.

This directory provides an excellent snapshot of where this community and ecosystem currently is. We plan to build on this, pulling together even more companies from across the landscape to collaborate and explore avenues and opportunities.

And we welcome you to be a part of it.

Yours sincerely,

Yung Tran

Director of Member Services and Business Development
SMMT



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► Welcome to **our** EV Supply Chain Directory

Transition and opportunity

The industrial transition associated with vehicle electrification is gathering pace. With it will come a significant opportunity for component manufacturers and the underlying supply chain as a new landscape is established.

A whole new set of vehicle product types are being designed, developed and manufactured in a wide variety of forms and powertrains, from small passenger cars to large commercial vehicles, to deliver against a vast array of future electrified applications.

Each will need its own set of specialised electric vehicle specific components ranging from cells and battery packs to E-motors and transmissions, inverters, and control systems through to fuel cells stacks and hydrogen storage. Each in turn represents an opportunity for the UK supply base to design, develop and manufacture the next generation of high value electric vehicle componentry for a new global market.

The UK is well placed to capitalise and be a part of the foundation of these supply chains. It has a rich heritage in automotive research and development, engineering and design and a world leading supportive infrastructure across both the academic space and government backed institutions such as the Advanced Propulsion Centre, Faraday Institution and the Catapult networks.

The UK also has an existing and competitive manufacturing companies in many of the newer EV technology areas that are investing here in the UK, creating jobs, generating value and supplying high value products into UK finished vehicles as well as exporting overseas.

The EV Supply Chain Directory

This EV Directory provides a snapshot of the UK's capability across the new technology areas which will be critical for the vehicle electrification transition. It is a showcase of what the UK is already doing in terms of EV component design, development and manufacture.

The purpose of this is to demonstrate the UK's breadth of capability in this new technology space. It will also act as a guide for companies looking to source partners or components in the future.

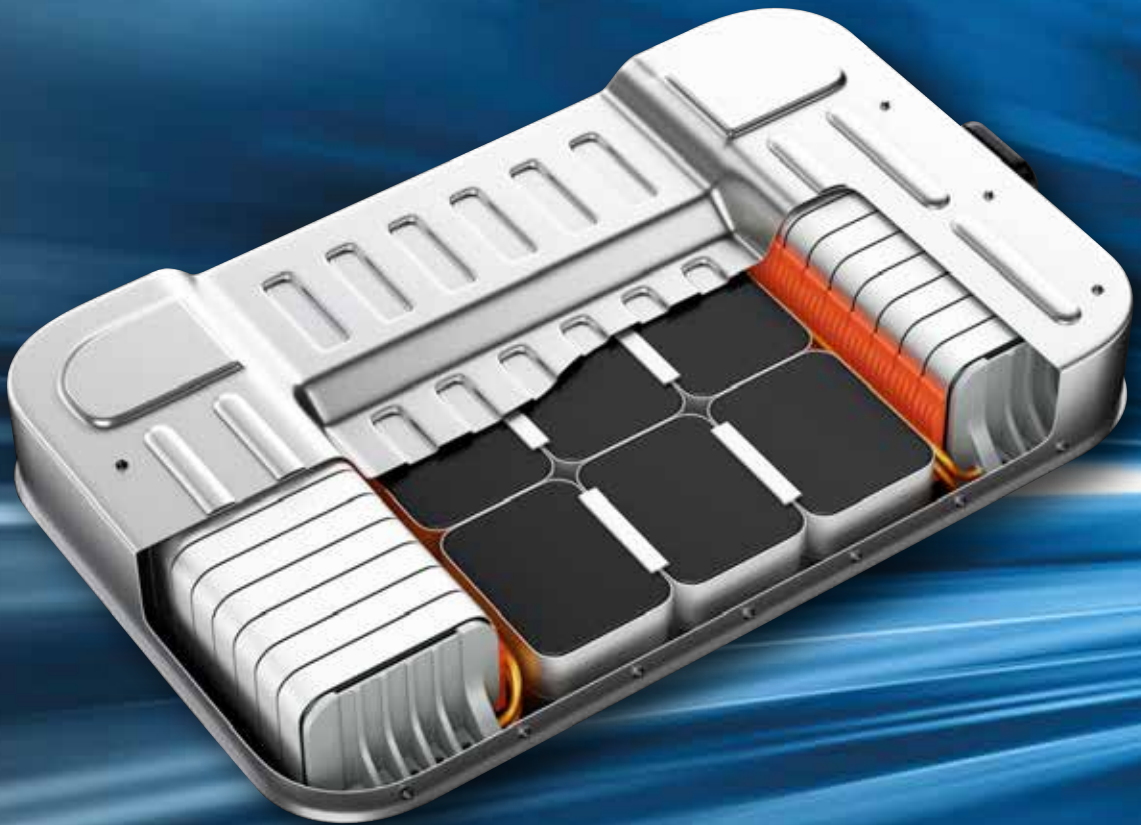
It is meant to be a living document as industry continues to invest here in the UK and companies emerge with new and improved capabilities. If you would like to be included moving forward, please email memberservices@smtt.co.uk. SMTT will aim to move this publication to an online format later in 2023 to ensure it is as 'live' a resource as possible.

Broader EV Supply Chain support

SMTT supports UK companies in playing their part and becoming part of the foundations across the design, development and manufacture of the next gen of these high value products and their associated supply chains.

This Directory forms part of a wide programme of activity aimed at supporting and promoting UK companies involved in the design, development and manufacture of EV specific components. If you would like to find out more about this, please email memberservices@smtt.co.uk

▶ Battery systems




▶ Battery components


Adhesives

Hylomar



Cale Lane
Wigan, WN21JT

 +44 (0)1942 617 001

 info@hylomar.co.uk

 www.hylomar.com

The HYLOMAR logo, consisting of the word "HYLOMAR" in a bold, blue, sans-serif font with a registered trademark symbol (®) to the right. The logo is centered within a white rectangular box with a thin grey border.

Company profile

Hylomar Limited manufactures a wide range of high-performance sealants and adhesives used by leading automotive OEM's. Hylomar non setting sealants seal against many types of fluids and stop joint corrosion whilst allowing for easy disassembly of parts for service or recycling. IATF 16949 / ISO9001 certified.


Principal product


Non setting jointing compound for sealing electric vehicle battery packs and electric motors

Powdertech Surface Science



27 Murdock Road
Bicester, OX26 4PP

 +44 (0)1869 248 218

 sales@powdertech.co.uk

 www.powdertech.co.uk



Company profile

We are the UK's leading outsourced provider of TiZr aluminium passivation services for adhesively bonded or welded assemblies. 20 years of proven track record for prototype through to full production volumes with in-house XRF, Instron and testing equipment.


Principal product


Passivation and cleaning of aluminium components

Tantec



40A Crossgate Road, Park Farm Industrial Estate
Redditch, Worcestershire B98 7SN

 +44 (0)1527 304 004

 info@tantec-uk.com

 www.tantec-uk.com



Company profile

Plasma and Corona Treatment is used to prime a surface for adhesion – often used for leather or foam bonding to PP and PC/ABS interior trim, or for treatment before painting or coating. Systems are low power and automated, no expensive and dangerous chemicals or manual abrasion.

Principal product

Plasma and Corona surface treatment systems to improve adhesion

Battery casings

Jenks and Cattell Engineering



Neachells Lane, Wednesfield
Wolverhampton, WV11 3PU

+44 (0)1902 305 530

sales@jcel.co.uk

www.jcel.co.uk



Company profile

Jenks and Cattell offer metal stamping, laser cut fabrication and welded assembly sheet metal manufacturing services. Primarily serving Automotive and Off-Highway industries. Processing Mild Steel, Stainless Steel, Brass, Copper and specialising in Aluminium.

Principal product

Metal pressings, laser fabrications, welded assemblies

London Electric Cars

Arch 128, Black Prince Road
London, SE11 4UX

+44 (0)7966 806 727

info@londonelectriccars.com

www.londonelectriccars.com



Company profile

We are an engineered based start-up converting cars into fully electric. We use products from main manufacturers as well as develop our own line of electronic controllers for EV's. We design and build battery packs and integrating controls.


Principal product

EV Conversions

Sanko Gosei



15-17 Seddon Place, Stanley Industrial Estate, Skelmersdale, WN8 8EB

 +44 (0)1695 455 400

 Jonathan.Tandy@sanko.co.uk

 www.sanko-gosei.co.uk



Company profile


Sanko Gosei is a company who develop and manufactures injection moulding solutions from R&D, Component Design, Toolmaking, Painting and Production. Being part of a worldwide group stretching from Asia to Americas working in partnership with customers. Machine range up to 3500t supporting Co-injection, High Gloss and MuCell.

Principal product

Plastic injection moulding and toolmaking

Graham Engineering Ltd

Whitwalls Industrial Estate, Edward Street, Nelson, Lancashire, BB9 8SY

 +44 (0)1282 695 121

 www.graham-eng.co.uk




Principal product

Battery casings and any other fabricated and welded component in carbon, stainless steels and exotic steels

Grainger & Worrall

Building 7, Stanmore Industrial Estate Bridgnorth, WV15 5HP

 +44 (0)1746 768 250

 www.gwcast.com




Principal product

Castings

Sarginsons Industries Ltd

Torrington Avenue Coventry, CV4 9AG

 +44 (0)2476 466 291

 www.sarginsons.com



Principal product


Castings


Battery cover

LineCross



Station Road, South Luffenham
Rutland, LE15 8NG

 +44 (0)1780 722 327

 sholwell@linex.uk.com

 www.linecross.co.uk



Company profile

Linecross operates from 2 manufacturing sites in the Midlands, employing 290 people with a turnover of £ 36 million. Our major markets are niche volume Automotive, Commercial Vehicles, Off Road and Construction and Leisure Vehicles. Our focus is to bring lightweight solutions in a wide variety of application areas.


Principal product

Plastic components and assemblies

Sanko Gosei



15-17 Seddon Place, Stanley Industrial
Estate, Skelmersdale, WN8 8EB

 +44 (0)1695 455 400

 Jonathan.Tandy@sanko.co.uk

 www.sanko-gosei.co.uk



Company profile

Sanko Gosei is a company who develop and manufactures injection moulding solutions from R&D, Component Design, Toolmaking, Painting and Production. Being part of a worldwide group stretching from Asia to Americas working in partnership with customers. Machine range up to 3500t supporting Co-injection, High Gloss and MuCell.


Principal product

Plastic injection moulding and toolmaking

Battery management systems

Altertek

Belbins Business Park
Unit 8, Westlink
Romsey, SO51 7AA

 +44 (0)330 333 5034

 www.altertek.com


ALTERTEK
BATTERY TECHNOLOGY SPECIALISTS

Principal product

Battery pack design and assembly

Breathe Battery Technologies

Office 7, 35-37 Ludgate Hill
London, EC4M 7JN

 +44 (0)2045 295 647

 www.breathe.technology


B REATHE™
BATTERY TECHNOLOGIES

Principal product

Battery enhancement software

BrillPower

23 Park End Street
Oxford, OX1 1HU

 +44 (0)20 3319 2175

 www.brillpower.com


 **BrillPower**
REVOLUTIONIZING ENERGY STORAGE

Principal product

BMS

Eatron Technologies

Warwick Technology Park
11A Innovation Centre
Warwick, CV34 6UW

 +44 (0)1926 623 039

 www.eatron.com


 **eatron**
TECHNOLOGIES

Principal product

Automotive software

Potenza

Unit A, Charter Avenue Industrial
Estate, Carriers Close
Coventry, CV4 8AW

 +44 (0)2476 083 029

 www.ptech.co




Principal product

Design, build and integration of EV technologies

Ricardo

Shoreham Technical Centre
Shoreham-by-Sea
West Sussex, BN43 5FG

 +44 (0)2476 466 291

 www.ricardo.com




Principal product


Engineering and environmental consultancy services

Busbars

HV Wooding

Range Road Ind Estate, Range Road
Hythe, Kent, CT21 6HG

 +44 (0)1303 264 471

 sales@hvwooding.co.uk

 www.hvwooding.co.uk

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Company profile

H V Wooding are experts in the production of high-performance components for the Hybrid & Electric vehicle market, including the manufacture of bespoke Busbars for battery and drivetrain applications and Motor laminations and Core packs.


Principal product


Manufacture of metal components

Jenks and Cattell Engineering



Neachells Lane, Wednesfield
Wolverhampton, WV11 3PU

 +44 (0)1902 305 530

 sales@jcel.co.uk

 www.jcel.co.uk



Company profile

Jenks and Cattell offer metal stamping, laser cut fabrication and welded assembly sheet metal manufacturing services. Primarily serving Automotive and Off-Highway industries. Processing Mild Steel, Stainless Steel, Brass, Copper and specialising in Aluminium.


Principal product


Metal pressings, laser fabrications, welded assemblies

Sertec Corporation Ltd



Wincaster House, Gorsey Lane
Coleshill, West Mid B46 1JU

 +44 (0)7980 928 476

 Carol.henderson@sertec.co.uk

 www.sertec.co.uk



Company profile

Sertec has over 60 years of experience, specialising in the manufacture of lightweight body structures and electric vehicle components. Our people, manufacturing process, technical expertise & R&D capability provide innovative solutions to deliver value & reliability for our customers.

Principal product

Stamped metal parts

Cell carrier

WHS Plastics

Water Orton Lane, Minworth
Sutton Coldfield, B76 9BG



+44 (0)121 748 7777



www.whs-plastics.com

Principal product

Plastic injection moulding and toolmaking

Copper connectors

Dawson Shanahan Ltd



Henfaes Lane, Welshpool
Powys, Wales SY21 7BE



+44 (0)1938 551 700



Jeff.kiernan@dawson-shanahan.co.uk



www.dawson-shanahan.co.uk

Company profile

75 Years in precision Engineering, Specialise in Cold Forming and CNC machining, Test, Assembly. Tier 1 automotive supplier exporting over 80% of sales. Started in EV mobility in 2014 developing and making High Power Copper connectors for Commercial vehicles today sold over 10,000 to the EV sector. Quality Accreditations, ISO14001 ISO 9001 IATF 16949.


Principal product

Copper Connectors/Terminals for EV mobility

Dielectric fluids

3M

Cain Road, Bracknell
Berkshire, RG12 8HT

 +44 (0)8705 360 036

 www.3m.co.uk

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3M Science.
Applied to Life.™

Company profile


To help make you make your xEV battery designs successful, 3M employs the science of temperature control. Thermal insulation helps block temperature extremes, helping moderate operating temperatures in harsh environments. Our dielectric fluids help manage and regulate heat transfer in batteries designed for direct contact cooling.

Principal product

Chemicals technology applications

Croda

Cowick Hall, Snaith, Goole
East Yorkshire, DN14 9AA

 +44 (0)1405 860 551

 www.croda.com


CRODA

Principal product

Chemicals development and
manufacture

MiVolt

M&I Materials Ltd, Hibernia Way
Trafford Park Manchester, M32 0ZD

 +44 (0)161 864 5464

 www.mivoltcooling.com

MIVOLT®
IMMERSION COOLING LIQUIDS


Principal product


Metal salts manufacture

EV battery sealing

Ramsay Rubber

Vulcan Road, Bilston
West Midlands, WV14 7HT

 +44 (0)1902 407 164

 enquiries@ramsayrubber.com

 www.ramsayrubber.com



Company profile

Ramsay are a UK leading manufacturer, providing high performance custom lightweight sealing, thermal, NVH and acoustic application solutions to OEMs across industry and the world. Our objective is to provide our customers with quality products in accordance with IATF16949, ISO14001 and ISO9001 standards to deliver a guaranteed service.

Principal product


EV battery airflow ducts


Insulators

Evans Shims & Gaskets



Units E & F, Fording bridge Business Park Ashford
Road, Fordingbridge, Hampshire, SP6 1BD

 +44 (0)1202 825 764

 sales@evanssg.co.uk

 www.evanssg.co.uk



Company profile

We produce insulators and thermal interface components for use within EV powertrain, power electronics and battery systems.

Principal product


Insulators


Module casings

Sertec Corporation Ltd



Wincaster House, Gorsey Lane
Coleshill, West Mid B46 1JU

 +44 (0)7980 928 476

 Carol.henderson@sertec.co.uk

 www.sertec.co.uk



Company profile

Sertec has over 60 years of experience, specialising in the manufacture of lightweight body structures and electric vehicle components. Our people, manufacturing process, technical expertise & R&D capability provide innovative solutions to deliver value & reliability for our customers.

Principal product


Stamped metal parts


Structural pack components

Jenks and Cattell Engineering



Neachells Lane, Wednesfield
Wolverhampton, WV11 3PU

 +44 (0)1902 305 530

 sales@jcel.co.uk

 www.jcel.co.uk



Company profile

Jenks and Cattell offer metal stamping, laser cut fabrication and welded assembly sheet metal manufacturing services. Primarily serving Automotive and Off-Highway industries. Processing Mild Steel, Stainless Steel, Brass, Copper and specialising in Aluminium.


Principal product


Metal pressings, laser fabrications, welded assemblies

Sertec Corporation Ltd



Wincaster House, Gorse Lane
Coleshill, West Mid B46 1JU

 +44 (0)7980 928 476

 Carol.henderson@sertec.co.uk

 www.sertec.co.uk



Company profile

Sertec has over 60 years of experience, specialising in the manufacture of lightweight body structures and electric vehicle components. Our people, manufacturing process, technical expertise & R&D capability provide innovative solutions to deliver value & reliability for our customers.

Principal product


Stamped metal parts

Structural steels

Tata Steel



Llanwern House, Llanwern Works
Newport, NP19 4QZ

 +44 (0)2476 155 524

 automotiveuk@tatasteel.com

 www.tatasteel.com



Company profile

Tata Steel is one of the few steel suppliers that offers advanced steel solutions for electric motors, energy storage and conversion systems, crash-management components and outer panels. This integrated product offering, supported with in-depth application knowledge and engineering services, makes Tata Steel the preferred partner in your electrification journey.

Principal product


Electrical steels

▶ Battery development

Battery pack development

Danecca

Unit 1142, Silverstone Park
Buckingham Road, Silverstone
Towcester, NN12 8FU

 +44 (0)1327 222 840

 www.danecca.com




Danecca

Principal product

Battery development and
manufacture

Exide

Mansell House
Aspinall Close
Bolton, BL6 6QQ

 +44 (0)845 606 4111

 www.exidegroup.com




Principal product

Battery development and manufacture

TAE Power Solutions

3900 Parkside, Solihull Parkway,
Birmingham Business Park, West
Midlands, United Kingdom, B37 7YG

 +44 (0)3303 203 040

 www.power-solutions.tae.com




Principal product

Electric powertrain technologies

Turntide Technologies

Turntide Drives Eighth Avenue
Team Valley Trading Estate
Gateshead, NE11 0QA

 +44 (0)191 497 9007

 www.turntide.com




Principal product

Battery design, integration and manufacture

Vantage Power

Unit 7 Ockham Drive
Greenford, London
England, UB6 0FD

 +44 (0)3303 203 040

 www.vantage-power.com



Principal product


Design & manufacture of hybrid and electric systems


Battery system design

Lunaz Applied Technology



1503 Silverstone Technology Park
Silverstone, Northamptonshire, NN12 8FU

 +44 (0)1327 222 811

 info@lunaz.design

 www.lunaz.design



Company profile


Lunaz Applied Technology (LAT) upcycle conventionally powered vehicles with an electrified powertrain. Key products include an electrified refuse truck, which includes a bespoke battery system and electrified powertrain developed by LAT.

Principal product

Upcycled Electric Vehicle production

Altertek

Belbins Business Park
Unit 8, Westlink
Romsey, SO51 7AA

 +44 (0)330 333 5035

 www.altertek.com

Principal product

BMS, pack design and pack assembly

Balance Batteries

1 Wyman Chase
Oxley Park, Milton Keynes
England, MK4 4JT


 www.balancebatteries.com

Principal product

Battery development

Enix Power Solutions

Unit 2 Focus Park
Ashbourne Way
Solihull, B90 4QU

 +44 (0)121 506 8610

 www.enix-power-solutions.com



ENIX
POWER SOLUTIONS

Principal product

Battery development and
manufacture

FutureMotiv

The American Barns
Banbury Road, Lighthorne
Warwickshire, CV35 0AE

 www.rle-futuremotiv.com




 futuremotiv

Principal product

EV powertrain engineering services

Rockfort Engineering

Unit 1A, 20B Wildmere Road
Banbury, OX16 3JU

 +44 (0)1295 983 999

 www.rockfortengineering.com



ROCKFORT
ENGINEERING

Principal product


Electrical engineering solutions

▶ Battery pack assembly

Battery pack assembly

Hyperbat

131 Beresford Avenue
Coventry, CV6 5LZ

 contact@hyperbat.com

 www.hyperbat.com

SMMT
MEMBER 



Company profile

Hyperbat is a joint venture between WAE Technologies and Unipart Manufacturing Group that was formed with a mission to manufacture innovative high-voltage battery solutions, optimised for high-performance and specialist applications. Hyperbat is the UK's leading manufacturer of high-performance electric vehicle battery packs and aims to become the UK leader in high-voltage battery systems, supporting UK plc by growing the UK battery technology supply chain. Hyperbat's UK battery manufacturing plans to bridge the gap between low-volume prototype build and high-volume hybrid and electric vehicle production.


Principal product

Battery development and manufacture

Swindon Powertrain



Swindon Powertrain, Crampton Road
Swindon, SN3 3JJ

 +44 (0)1793 531 321

 www.swindonpowertrain.com



Company profile

For over 50 years, Swindon Powertrain has delivered a wide spectrum of activities, from concept design and development through to the manufacturing of bespoke powertrains and components. Today the company designs, simulates, manufactures and tests internal combustion engines, electric powertrains, battery systems and associated components.


Principal product

Powertrain development and manufacture

Unipart Manufacturing Group



Unipart House, Garsington Road
Cowley, Oxford, OX4 2PG

 +44 (0)1865 778 966

 www.unipart.com



Company profile


Unipart Manufacturing Group (UMG) is a global specialist in manufacturing, supply chain and consultancy and part of the Unipart Group. UMG consults and delivers a unique and tailored solution to manufacturing, engineering and supply chain problems. With a proud heritage in the automotive industry, we have established ourselves, expanding into wider sectors while continuing to deliver engineering excellence for our customers.

Principal product

Manufacturing & logistics

Aceleron

Leask House Hanbury Road
Stoke Prior, Bromsgrove
England, B60 4JZ

 +44 (0)121 201 2933


 www.aceleronenergy.com



Principal product
Battery manufacture

Altertek

Belbins Business Park
Unit 8, Westlink
Romsey, SO51 7AA

 +44 (0)330 333 5036


 www.altertek.com



Principal product
Battery development and
manufacture

Danecca

Unit 1142, Silverstone Park
Buckingham Road, Silverstone
Towcester, NN12 8FU

 +44 (0)1327 222 840

 www.danecca.com



Principal product
Battery development and
manufacture

Envision AESC

Washington Road
Sunderland
Tyne & Wear, SR5 3NS


 www.envision-aesc.com



Principal product
Cell development and
manufacture

Exide

Mansell House
Aspinall Close
Bolton, BL6 6QQ

 +44 (0)845 606 4111


 www.exidegroup.com



Principal product
Battery development and
manufacture

LiNa

Unit 8, Sharpes Mill White Cross
Business Park, South Road
Lancaster, LA1 4XQ

 +44 (0)1524 748 099

 www.lina.energy


The logo for LiNa Energy features a green circle with a white plus sign inside, followed by the text "LiNa Energy" in a dark green, sans-serif font.

Principal product

Cell development and manufacture

Turntide Technologies

Turntide Drives Eighth Avenue
Team Valley Trading Estate
Gateshead, NE11 0QA

 +44 (0)191 497 9007

 www.turntide.com


The logo for Turntide Technologies consists of a blue geometric icon resembling a snowflake or a stylized 'T' made of interconnected lines, followed by the word "TURNTIDE" in a bold, blue, sans-serif font with a registered trademark symbol.

Principal product

Battery development and
manufacture

WAE

Grove, Wantage
Oxfordshire, OX12 0DQ

 +44 (0)1235 777 919

 www.wae.com

The logo for WAE features the letters "WAE" in a large, bold, blue, sans-serif font. Below it, the text "A Fortescue Company" is written in a smaller, blue, sans-serif font.

Principal product

Design Engineering consultancy

Decorative blue arrows pointing right, located at the bottom of the page.

Complete battery packs

BEDEO

BD Auto and Energy Limited
36 Dover Street, London, W1S 4NH



+44 (0)1252 741 800



www.bedeo.tech



Principal product

Vehicle electrification

▶ Battery testing

Battery abuse testing

Horiba Mira

Watling Street
Nuneaton, CV10 0TU



+44 (0)24 7635 5000



www.horiba-mira.com



Company profile


Horiba Mira's comprehensive range of circuits and facilities enable customers to carry out a wide range of activities in a controlled and secure environment, irrespective of vehicle type – motorcycles, cars, commercial, off-highway and military vehicles. Horiba Mira offers range of solutions, including extensive support services, to assist achievement of the levels of quality required for development programmes.

Principal product

Engineering, testing and development

HSE

HSE Science and Research Centre
Harpur Hill, Buxton SK17 9JN

 +44 (0)203 028 2000

 www.hse.gov.uk




Principal product

Workplace health and safety regulation and enforcement

UL Solutions

UL Unit 1 - 3, Horizon Wade Road
Kingsland Business Park
Basingstoke, RG24 8AH

 +44 (0)1256 312 100

 www.ul.com



Principal product


Safety related testing, inspection and certification


Battery test equipment

Thyssenkrupp System Engineering



Unit 5, The Felbridge Centre, East Grinstead
West Sussex, RH19 1XP

 +44 (0)7946 911 591

 adrian.tooms@thyssenkrupp.com

 www.thyssenkrupp.com



Company profile

Thyssenkrupp System engineering provide turn-key solutions for automated assembly and test systems, equipment and services in the area of EV drive and battery assembly with a major focus on transformation towards electro-mobility.

Principal product


Automated assembly and test equipment for EV battery and powertrain


Cells, module and pack testing

ACCU Technology UK



Sandford Gate, East Point Business Park
Oxford, OX4 6LB

 +44 (0)1865 306 645

 info@accu.eu

 www.accu.eu



Company profile


ACCU provides intelligent solutions for supply chain quality management and third-party logistics (3PL), delivering reliable and efficient services to both global and local clients. We expertly integrate proprietary intelligent quality platforms with warehousing and logistics for the automotive, consumer electronics, electromechanical and intelligent manufacturing industries.

Principal product

Quality, 3PL, Warehousing

Alphatech

Green House, Homefield Road (West)
Homefield Road Industrial Estate
Haverhill, Suffolk, CB9 8QP

 +44 (0)1440 714 709

 www.alphatech.co.uk




Principal product


Testing chamber supplier and test house

Autocraft Solutions Group



Syston Lane, Belton, Grantham
Lincolnshire, NG32 2LY

 +44 (0)1476 581 300

 info@AutocraftDS.com

 www.autocraftsg.com



Company profile

Autocraft Solutions Group is one of Europe's leading OEM partners for the manufacture and remanufacture of outsourced IC engines and EV batteries, and future sustainable propulsion solutions to a global market. Autocraft's unique selling point is helping customers outsource their non-core operations, by providing top OEM quality production, and saving investment and headaches involved with keeping these operations in-house.


Principal product

Manufacture and remanufacture of ICE and EV batteries

Horiba Mira



Watling Street
Nuneaton, CV10 0TU

 +44 (0)24 7635 5000

 www.horiba-mira.com



Company profile

Horiba Mira's comprehensive range of circuits and facilities enable customers to carry out a wide range of activities in a controlled and secure environment, irrespective of vehicle type – motorcycles, cars, commercial, off-highway and military vehicles. Horiba Mira offers range of solutions, including extensive support services, to assist achievement of the levels of quality required for development programmes.


Principal product


Engineering, testing and development

Mahle Powertrain



Costin House, St. James Mill Road
Northampton, NN5 5TZ

 +44 (0)1604 738 000

 powertrain@mahle.com

 www.mahle-powertrain.com



Company profile


MAHLE is a leading international development partner and supplier to the automotive industry as well as a pioneer and technology driver for the mobility of the future. We are committed to making transportation more efficient, more environmentally friendly, and more comfortable by optimizing the combustion engine, driving forward the use of alternative fuels, and laying the foundation for acceptance and worldwide introduction of e-mobility.

Principal product

Powertrain engineering and consultancy services

Ricardo

Shoreham-by-Sea
West Sussex, BN43 5FG

 +44 (0)1273 455 611

 www.ricardo.com




Principal product

Engineering and environmental consultancy services

SGS

859 London Rd, St. Clements Way
Grays, RM20 3LG

 +44 (0)1708 681 944

 www.sgs.com




Principal product

Testing, verification, inspection and certification

UKBIC

Rowley Road, Baginton
Coventry, CV8 3AL

 sales@ukbic.co.uk

 www.ukbic.co.uk

SMMT
MEMBER 



Company profile


The £130 million UK Battery Industrialisation Centre (UKBIC) is a pioneering concept in the race to develop battery technology for the transition to a greener future. The unique facility provides the missing link between battery technology, which has proved promising at laboratory or prototype scale, and successful mass production. Based in Coventry, the publicly-funded battery product development facility welcomes manufacturers, entrepreneurs, researchers and educators, and can be accessed by any organisation with existing or new battery technology – if that technology will bring green jobs and prosperity to the UK.

Principal product

Battery industrialisation

University of South Wales (CAPSE)

Aberdare, CF44 0ND

 +44 (0)3455 760 101

 www.southwales.ac.uk



Principal product

University

Electrode testing

Teraview

1 Enterprise, Cambridge Research Park,
Cambridge, CB25 9PD, UK

 www.teraview.com



Principal product

Design & manufacture of coating Thickness & Density measurement instruments for Car body and EV Battery electrodes (anode & cathode).


▶ Battery thermal management


Gap pad

Evans Shims & Gaskets



Units E & F, Fording bridge Business Park Ashford Road, Fordingbridge, Hampshire, SP6 1BD

 +44 (0)1202 825 764

 sales@evanssg.co.uk

 www.evanssg.co.uk



Company profile

We produce insulators and thermal interface components for use within EV powertrain, power electronics and battery systems. As a company we have intricate knowledge of the challenges faced within E machine development, both radial and axial flux. We have an in-depth knowledge of the thermal management requirements of modern-day power electronics and associated systems.

Principal product

Insulators

Pumps

Concentric AB

5 Brooklands, Redditch
Worcestershire, B98 9DW

 +44 (0)121 445 6545

 www.concentricab.com



Principal product


Durable high power pumps


Shielding and coatings

Zircotec



Innovation House, 39-41 Nuffield Way
Abingdon, Oxfordshire OX14 1RL

 +44 (0)1235 546 050

 enquiries@zircotec.com

 www.zircotec.com



Company profile

Zircotec offer Automotive OEMs Electric Vehicles solutions including RFI Shielding, Dielectric Coatings and flameproofing, enabling the use of composites for battery pack casings.

Principal product


Heat shielding and thermal management solutions


Thermal management systems

EMS-Chemie



Forest Lodge, Dunston Business Park,
Staffordshire, ST18 9AB

 +44 (0)1785 283 739

 gary.beach@uk.emsgrivory.com

 www.ems-group.com



Company profile


EMS-GRIVORY are an established global producer of polyamide compounds recognised by OEM's and Tier suppliers. We pride ourselves on delivering technical driven solutions for light-weighting, metal replacement, function integration and cost down without compromising on quality or performance. With the right design and material selection this can support sustainability targets.

Principal product

High Performance Polyamide Compounds for injection moulded coolant tubing, connectors, manifolds, pumps

Flint Engineering

Flint Engineering Ltd
The Paddocks, Five Ashes
Mayfield, East Sussex, TN20 6JL

 +44 (0)1825 830 003

 www.flintengineering.com




Principal product


Thermal management solutions

Ramsay Rubber



Vulcan Road, Bilston
West Midlands, WV14 7HT

 +44 (0)1902 407 165

 enquiries@ramsayrubber.com

 www.ramsayrubber.com



Company profile

Ramsay are a UK leading manufacturer, providing high performance custom lightweight sealing, thermal, NVH and acoustic application solutions to OEMs across industry and the world. Our objective is to provide our customers with quality products in accordance with IATF16949, ISO14001 and ISO9001 standards to deliver a guaranteed service.


Principal product


EV battery airflow ducts

Sanden International



Rosewood, Crockford Lane Chineham
Basingstoke Hampshire, RG24 8UT

 +44 (0)1495 241 500

 Sie-marketing@g-sanden.com

 www.sanden-europe.com



Company profile

Sanden is a Global Tier 1 supplier to the Passenger Car, Truck and Off Highway OEM's. Sanden produce fully electric compressors for mobile air conditioning systems as well as heat exchangers and electric coolant heaters. Sanden is also at the forefront of new Battery Thermal Management systems production and design.


Principal product


Thermal management solutions

Senior Flexonics



Unit 1 Oakwood Close, Pen-Y-Fan Industrial Estate
Crumlin, Newport, Gwent, NP11 3HY

 +44 (0)1495 241 500

 info@seniorflexonics.co.uk

 www.seniorflexonics.com



Company profile


Electric vehicle batteries are susceptible to fluctuating temperatures caused by both internal and external factors and can become damaged or degraded if exposed to temperatures outside their optimal range. Senior Flexonics battery thermal management plates are designed to maintain temperatures, ensuring that safety, performance, and battery life are optimised.

Principal product

Battery thermal management (plates and fluid)

Grayson Thermal Systems

Wharfdale House
257 Wharfdale Road, Tyseley
Birmingham B11 2DP

 +44 (0)121 700 5600

 www.graysonts.com




Principal product

Thermal management solutions

Marelli Automotive Systems Europe plc.

Llethri Road, Llanelli
Carmarthenshire, SA14 8HU

 +44 (0)1554 747 000

 www.marelli.com



Principal product

Battery system cooling solutions


▶ Cell components


Anode development

Echion



9 Cambridge South, West Way
Sawston Cambridge, CB22 3FG

 +44 (0)1223 421 831

 ali.white@consciouscomms.com

 www.echiontech.com



Company profile


Echion Technologies, develop and manufacture very high power, fast charge, long life, safe anodes. We are in commercial scale manufacture of the material and have various form factor cells produced and tested by a large number of global cell manufacturers.

Principal product

Nb-based anodes

Nexeon

136 Eastern Avenue
Milton Park, Abingdon
Oxfordshire, OX14 4SB

 +44 (0)1865 408 330

 www.nexeon.co.uk



Principal product

Si-based anodes

Nyobolt

The Bradfield Centre
184 Cambridge Science Park
Milton Road, Cambridge, CB4 0GA


 www.nyobolt.com



Principal product
Nb-based anodes

Sigma Lithium

D5 Culham Science Centre
Abingdon, Oxfordshire, OX14 3DB

 +44 (0)1865 408 330

 www.sigmalithium.com




Principal product
Li-based anodes

Binders and separator coatings

Solvay

Composite House, Sinclair Close
Heanor Gate Industrial Estate
Heanor, DE75 7SP

 +44 (0)1773 766 200

 www.solvay.com




Principal product
Materials, solutions and chemicals

Cell casings

H&T Industrial

Whitebirk Industrial Estate
Blackburn, BB1 5RF

 +44 (0)7384 259 453

 www.htindustrial.com



Principal product
Cylindrical Battery Cases
(battery cans)

Cell tab manufacture

Avocet Battery Materials

Unit B3, Manor Point
Holmes Chapel, Cheshire
CW4 8GL



+44 (0)1625 590 745



www.avocetbattery.com

Principal product
Cell tab manufacturer

Electrode development

Addionics

84 Wood Lane (Translation
and Innovation Hub, I-HUB)
London, W12 0BZ



www.addionics.com

Principal product
3D structured electrodes

In cell sensors

Dukosi

Exchange Crescent No.1
1-7 Conference Square
Edinburgh, EH3 8RA



+44 (0)131 445 7772



www.dukosi.com

Principal product
In cell sensors


► Cells


Cell development

AMTE Power



Bee House, 140 Eastern Avenue
Milton Park, Oxfordshire, OX14 4SB

 +44 (0)1235 854 006

 hello@amtepower.com

 www.amtepower.com



Company profile


AMTE Power is a leading battery cell manufacturer. Based on exciting new chemistries, products are designed to solve key challenges in power delivery, energy performance and safety for electric vehicles and renewable energy storage.

Principal product

Ultra High Power Lithium-ion battery cell, in a pouch format

Deregallera

Unit 2, De Clare Court
Pontywindy Industrial Estate
Caerphilly, CF83 3HU

 +44 (0)29 2084 9009

 www.deregallera.com




Principal product

Energy storage and electric drives development

Faradion

The Innovation Centre
217 Portobello
Sheffield, S1 4DP

 +44 (0)114 224 2421

 www.faradion.co.uk




Principal product

Na-ion cells and batteries

Ilika

Unit 10a, The Quadrangle
Premier Way
Romsey, SO51 9DL

 +44 (0)23 8011 1400

 www.ilika.com



Principal product

Solid state battery technology

Inobat

Unit 1, Warwick Innovation Centre
Gallows Hill, Warwick, CV34 6UW

 www.inobatauto.eu




Principal product

Cell development and manufacture

LiNa

Unit 8, Sharpes Mill White Cross
Business Park, South Road
Lancaster, LA1 4XQ

 +44 (0)1524 748 099

 www.lina.energy



Principal product


Na-ion cells


Cell manufacture

AMTE Power



Bee House, 140 Eastern Avenue
Milton Park, Oxfordshire, OX14 4SB

 +44 (0)1235 854 006

 hello@amtepower.com

 www.amtepower.com



Company profile

AMTE Power is a leading battery cell manufacturer. Based on exciting new chemistries, products are designed to solve key challenges in power delivery, energy performance and safety for electric vehicles and renewable energy storage.

Principal product

Ultra High Power Lithium-ion battery cell, in a pouch format

Envision AESC

Washington Road
Sunderland
Tyne & Wear, SR5 3NS

 www.envision-aesc.com



Principal product


Cell development and
manufacture

▶ Raw materials

Active electrode binders

Synthomer

45 Pall Mall
London, SW1Y 5JG

 +44 (0)1279 436 211

 www.synthomer.com




Principal product
Chemical binders

Additive manufactured components

Additive Analytics

Telford Innovation Campus
Shifnal Road, Priorslee, Telford
Shropshire, TF2 9NN

 +44 (0) 7586 505 536

 www.additiveanalytics.co.uk



Principal product
3D printing thermally and
electrically conductive materials

Adhesives

DuPont

4th Floor Kings Court
London Road
Stevenage, SG1 2NG

 www.dupont.com




Principal product
Chemicals development and
manufacture

Advanced chemicals for electronics

Epivalence

The Wilton Centre
Redcar and Cleveland
TS10 4RF

 +44 (0)1642 924 904

 www.epivalence.com



Principal product
Advanced chemicals for electronics

Aluminium

Advanced Energy Minerals

Unit 4f Ignite Project
The Innovation Centre, Warwick
Technology Park, Gallows Hill
Warwick, CV34 6UW

 www.aem-international.com



Principal product
Ultra pure aluminium

Anode materials

Phillips66

7th Floor, 200 Aldersgate Street
Barbican, London, EC1A 4HD

 www.phillips66.com



Principal product
Chemicals development and
manufacture

Binders

Ashland

Vale Industrial Estate
Kidderminster, DY11 7QU



www.ashland.com



Principal product
Chemical additives

Lubrizol

3000 Hillswood Drive
Hillswood Business Park
Chertsey, Surrey, KT16 ORS



+44 (0)1332 842 211



www.lubrizol.com

Principal product
Chemicals development and
manufacture

Cathode active material

BASF

2 Railway Road
Stockport, SK1 3GG



+44 (0)161 475 3000



www.basf.com

Principal product
Chemicals development and
manufacture

EV Metals Group

Oxford Battery Technology Centre
142A Park Drive, Milton Park Abingdon,
Oxfordshire, OX14 4SE



+44 (0)1235 399 100



www.evmgroup.com

Principal product
Battery materials and technology

Chemical manufacture

Oxkem

117 Loverock Road, Reading
Berkshire, RG30 1DZ



+44 (0)118 952 2929



www.oxkem.com



Principal product
Chemical manufacture

Graphene applications

Anaphite

Science Creates
St Philips Central
Albert Road, Bristol, BS2 0XJ



+44 (0)117 313 4705



www.anaphite.com



Principal product
Graphene enhanced cathode
active material

Applied Graphene Materials

The Wilton Centre
Redcar and Cleveland
TS10 4RF



+44 (0)1642 438 214



www.appliedgraphenematerials.com



Principal product
Graphene nanoplatelet dispersion
technology

DZP Technologies

Future Business Centre
Kings Hedges Road
Cambridge, CB4 2HY



+44 (0)1223 781 191



www.dzptechnologies.com



Principal product
Printed electronics

Integrated Graphene

Euro House
Stirling, FK8 2DJ



www.integratedgraphene.com



Principal product
3D graphene foam

Thomas Swan

Rotary Way
Consett, DH8 7ND



+44 (0)1207 505 131



www.thomas-swan.co.uk



Principal product
Chemicals development and
manufacture

High grade Cobalt and Nickel

ICoNiChem

ICoNiChem Widnes Ltd
Moss Bank Road, Widnes
Cheshire, WA8 0RU



+44 (0)151 424 9156



www.iconichem.com

Principal product
High grade Co and Ni

Ion-conductive ceramics

Ionotec

14 Berkeley Court
Manor Park, Runcorn
Cheshire WA7 1TQ



+44 (0)1928 579 668



www.ionotec.com


Principal product
Ion-conductive ceramics


Lithium mining

Cornish Lithium



Tremough Innovation Centre
Penryn, Cornwall, TR10 9TA

 +44 (0)20 7138 3204

 info@cornishlithium.com

 www.cornishlithium.com



Company profile


Cornish Lithium is a private British mineral exploration company focussed on the sustainable extraction of lithium and other battery metals in the historically significant mining district of Cornwall, UK.

Principal product

Lithium extraction – geothermal and hard rock

British Lithium

Unit 6, Victoria Business Park Roche,
PL26 8LX

 +44 (0)1726 339 345

 www.britishlithium.co.uk



Principal product

Mineral exploration and extraction

Leverton Lithium

13-15 Sherrington Way
Lister Road Industrial Estate
Basingstoke, RG22 4DQ

 +44 (0)1256 810 393

 www.levertonlithium.com




Principal product

Manufacturer of Li compounds

Green Lithium



107-111 Fleet Street, Ludgate House
London, EC4A 2AB

 info@greenlithium.co.uk

 www.greenlithium.co.uk



Company profile

Green Lithium will build the UK's first large-scale lithium refinery at PD Ports, in Teesside, UK. The creation of this substantial facility will begin to meet the urgent needs of the battery manufacturing and automotive sectors within the UK and the EU, as the global transition to electric vehicles (EVs) drives an increasing necessity for lithium processing capabilities on the continent.

Principal product

Refinery of battery grade LiOH

Weardale Lithium

Venture House
Aykley Heads Business Centre
Durham, DH1 5TS

 www.weardalelithium.co




Principal product

Mineral exploration and extraction

Nickel and Manganese

William Rowland

Unit 4, Enterprise Way
Tankersley, South Yorkshire
S75 3DZ

 +44 (0)114 276 9421

 www.william-rowland.com

Principal product

Metal and metal powder supplier

Testing and development

Lucideon

Queens Road, Penkhull
Stoke-on-Trent
Staffordshire, ST4 7LQ



+44 (0)1782 764 428



www.lucideon.com



Principal product

Materials development and testing consultancy

▶ Refurbish, re-use, recycle

Battery re-use

Powervault

Unit 9, Garrick Industrial Estate Irving Way, London, NW9 6AQ



+44 (0)203 653 1111



www.powervault.co.uk



Principal product

Homes energy storage

Battery recycling

ACCU Technology UK



Sandford Gate, East Point Business Park
Oxford, OX4 6LB



+44 (0)1865 306 645



info@accu.eu



www.accu.eu



Company profile

ACCU provides intelligent solutions for supply chain quality management and third-party logistics (3PL), delivering reliable and efficient services to both global and local clients. We expertly integrate proprietary intelligent quality platforms with warehousing and logistics for the automotive, consumer electronics, electromechanical and intelligent manufacturing industries.


Principal product


Quality, 3PL, Warehousing

CarTakeBack.com



Bankfield House, Regent Road
Liverpool, L20 8RQ

 +44 (0) 330 818 85 50

 info@CarTakeBack.com

 www.CarTakeBack.com



Company profile

Since 2005 CarTakeBack, through the largest scrap car recycling network in the UK have provided fully compliant end of life vehicle services to official vehicle manufacturer partners. From 2015 this service provision has grown beyond end of life ICE vehicles, EVs and HEVs to encompass their batteries and other components.


Principal product


Scrap Car & Waste EV/HEV Battery Services

Cellcycle



Unit A Tilson Road, Roundthorn Industrial
Estate, Manchester, M23 9GF

 +44 (0)161 637 5656

 info@cellcycle.co.uk

 www.cellcycle.co.uk



Company profile

Cellcycle is one of the UK's only full accredited battery recycling specialists, providing clients nationwide with a compliant, sustainable and complete battery recycling solution. We utilise state-of-the-art techniques to sustainably treat and recycle all types of Li-ion batteries, ranging from portable to industrial scale found in electric and hybrid vehicles.

Principal product

Sustainable Battery Recycling & Reuse

Ecobat Solutions



Crescent Works Industrial Park, Willenhall
Road, Darlaston West Midlands, WS10 8JR

 +44 (0)121 568 3200

 solutions.uk@ecobat.com

 www.ecobat.com/solutions



Company profile

Ecobat Solutions offers an integrated service for OEMs across Europe, comprising collection, diagnosis, discharge, re-engineering, re-use and recycling of many advanced battery chemistries, including end-of-life, damaged & defective and critical units. We work with manufacturers to maximise circularity and have processed over 3000 batteries in the last two years.


Principal product

Re-engineering and recycling of EV batteries

Johnson Matthey



Gate 6, Orchard Road, Royston
Hertfordshire SG8 5HE

 +44 (0)1763 253 000

 www.matthey.com



Company profile

As a global leader in sustainable technologies, Johnson Matthey applies cutting-edge science to create solutions with customers that make a real difference to the world around us. JM have been leaders in their field for more than 200 years, applying unrivalled scientific expertise to enable cleaner air, improved health and the more efficient use of the planet's natural resources.


Principal product


Chemicals development and manufacture

LiBatt Recycling



Lincoln Street, Wolverhampton
Staffordshire, WV10 0DX

 +44 (0)1845 597 321

 info@libattrecycling.com

 www.libattrecycling.com



Company profile

LiBatt is looking to become the UK's first industrial-scale Li-ion battery recycler by leveraging sustainable, next generation recycling technologies. The ambition is for LiBatt's operations to support the circular economy, increase efficiencies, and reduce the carbon footprint within the Li-ion battery industry.


Principal product

Battery recycling

Li-Cycle



1 Bartholomew Lane
London, EC2N 2AX

 customerservice@li-cycle.com

 www.li-cycle.com



Company profile

Li-Cycle's proprietary Spoke & Hub Technologies use a combination of safe mechanical size reduction and hydrometallurgical resource recovery specifically designed for lithium-ion battery recycling. Providing the support to ensure that the battery recycling experience is handled in a safe, sustainable, and economically viable manner.


Principal product


Battery recycling

Recyclus



18 Savile Row
London, W1S 3PW

 +44 (0)20 7193 6283

 info@recyclusgroup.com

 www.recyclusgroup.com



Company profile

Recyclus' Li-ion recycling process is industry leading, capable of safely dealing with the 5+ types of Li-ion battery chemistry, in any combination, at any one time - moving the industry towards 100% recyclable, zero-landfill solutions, in line with the COP26 agenda & the transition towards electric transport by providing end-of-life solutions and strategic support in the UK battery recycling market.


Principal product

Battery recycling

Valeo



Unit 53, Heming Road Washford
Redditch, Worcestershire, B98 0DZ

 +44 (0)1527 838 300

 www.valeo.com




Principal product

Mobility technology supplier

Axion Polymers

Tenax Road, Trafford Park
Manchester, M17 1JT

 +44 (0)161 871 8590


 www.axiongroup.co.uk



Principal product
Resource recovery

EMR

Sirius House, Delta Crescent
Warrington, WA5 7NS

 +44 (0)1925 715 400


 uk.emrgroup.com



Principal product
Vehicle and battery recycling

EV Recycling

EV Recycling Ltd.,
Unit 12 Llanelli Gate,
Dafen, Llanelli, SA14 8LQ

 +44 (0)1554 775 938


 www.evrecycling.co.uk



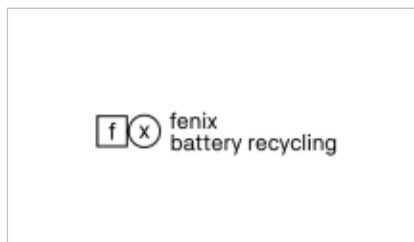
Principal product
Battery recycling

Fenix Battery Recycling

1 Byrehill Place
West Byrehill Industrial Estate
Kilwinning KA13 6LD

 +44 (0)121 820 6421


 www.fenixbatteryrecycling.com



Principal product
Battery recycling

Glencore

18 Hanover Square
London, W1S 1JY

 +41 41 709 2000


 www.glencore.com



Principal product
Natural resources

Lithium Battery Recycling Solutions

1 Covent Garden Close
Luton, Bedfordshire, LU4 8QB

 +44 (0)208 090 7300


 www.lithiumbatteryrecycling.co.uk



Principal product
Battery recycling

RS Bruce

March Street, Sheffield
South Yorkshire, S9 5DQ

 +44 (0)114 244 8050


 www.rsbruce.com



Principal product
Previous metal recovery

Solvay

Sinclair Close, Heanor
Derbyshire, DE75 7SP

 +44 (0)1773 766 200

 www.solvay.com



Principal product
Materials, solutions and chemicals

Veolia

210 Pentonville Road
London, N1 9JY

 www.veolia.co.uk




Principal product
Water, waste and energy
management


Battery refurbishment

Autocraft Solutions Group



Syston Lane, Belton, Grantham
Lincolnshire, NG32 2LY

 +44 (0)1476 581 300

 info@AutocraftDS.com

 www.autocraftsg.com



Company profile


Autocraft Solutions Group is one of Europe's leading OEM partners for the manufacture and remanufacture of outsourced IC engines and EV batteries, and future sustainable propulsion solutions to a global market. Autocraft's unique selling point is helping customers outsource their non-core operations, by providing top OEM quality production, and saving investment and headaches involved with keeping these operations in-house.

Principal product

Manufacture and remanufacture of ICE and EV batteries

Carwood

Herald Way, Binley, Coventry, West
Midlands, CV3 2RQ

 +44 (0)2476 449 533

 www.carwood.co.uk



Principal product

Component remanufacture

▶ **Electrified
powertrain**




▶ Electric drive unit


EDU assembly

Advanced Electric Machines



10-11 Teal Farm Way, Teal Farm Park
Washington, NE38 8BG

 +44 (0)191 4477010

 info@advancedelectricmachines.com

 www.advancedelectricmachines.com



Company profile

AEM is an internationally recognised designer and manufacturer of electric motors and powertrain systems, with customers all over the world.

We design and build world leading electric motor technologies delivering world record performance and 100% recyclability.


AEM deliver the most sustainable electric powertrain technologies in the world with market leading performance, removing rare earth materials with no compromise.

Principal product

Electric powertrain technologies

Equipmake Ltd

Unit 7 Snetterton Business Park
Snetterton, Norfolk, NR16 2JU

 +44 (0)1953 661 200

 www.equipmake.co.uk

Equipmake 

Principal product

Electric powertrain technologies

ePropelled



Innovation Center, Trade Street
Cardiff, CF10 5DT

+44 (0)7552 216 010

info@epropelled.com

www.epropelled.com



Company profile

ePropelled designs state of the art motors, generators, and power management systems. ePropelled technology helps reduce energy consumption and improve system efficiency at a lower cost in the aerospace, manned and unmanned aerial vehicles, electric vehicles, and pump motor markets.

Principal product

Electric powertrain technologies

Ford



Ford Plant, Speke Boulevard
Halewood, Merseyside, L24 9LE

+44 (0)1277 253 000

UKCRC1@ford.com

www.ford.co.uk



Company profile

Building on its commitment to grow an all-electric vehicle range, Ford is investing £380 million in its Halewood Plant, on Merseyside, to produce 420,000 electric power units a year from 2024. Halewood's edrive motor and gearbox will be fitted to Ford E-Transit Custom, E-Tourneo Custom, Transit Courier, Tourneo Courier, Puma and further Ford EVs.


Principal product

Vehicle manufacture

GKN Automotive



2100 The Crescent, Birmingham Business Park,
Birmingham, West Midlands, B37 7YE

 +44 (0)1527 533 600

 www.gknautomotive.com



Company profile


GKN Automotive is a global leader in eDrive technologies, the architects of an electrified future. Innovation, expertise and global footprint give the ability to drive a sustainable future, delivering eDrive technologies, competitively and at scale.

Principal product

Electric powertrain technologies

Helix

Merlewood Drive, Shenley Wood
Milton Keynes, MK5 6GR

 +44 (0)1908 278 600


 www.ehelix.com

Principal product

Electric powertrain technologies

Magtec (Magnetic Systems Technology Limited)

Units E01 & E02, Temple Close
Rotherham, S60 1FH

 +44 (0)114 244 8416

 www.magtec.co.uk

Principal product

Electric powertrain technologies

Saietta Group

Unit 1500A, Silverstone Park
Silverstone, Towcester
Northamptonshire, NN12 8FU



www.saietta.com



Principal product

Electric powertrain technologies

Turntide Technologies

Turntide Drives Eighth Avenue
Team Valley Trading Estate
Gateshead, NE11 0QA



+44 (0)191 497 9007



www.turntide.com



Principal product

Electric powertrain technologies

E-motors

Protean Electric



Unit 10B Coxbridge Business Park
Alton Road, Farnham, Surrey, GU10 5EH



+44 (0)1252 741 800



info@proteanelectric.com



www.proteanelectric.com



Company profile


Protean Electric is an automotive technology firm. We are over 150 talented people based in the UK and China. Our mission is to drive sustainable transport through innovation. Since 2008, we have focused on the development of ProteanDrive technology. Today we are the world leader of in-wheel motor technology.

Principal product

In-wheel e-motors

Deregallera

Unit 2, De Clare Court
Pontywindy Industrial Estate
Caerphilly, CF83 3HU

 +44 (0)29 2084 9009

 www.deregallera.com




Principal product

Electric drive and energy storage technology

Empel Systems

UNIT 6, 17-19 Avant Business Centre
Third Avenue, Denbigh West
Milton Keynes, MK1 1DR

 +44 (0)1908 419 015

 www.empelsystems.com




Principal product

e-Motors and power electronics

iNetic

Unit N & O, Hunting Gate
East Portway Industrial Estate
Andover, Hampshire, SP10 3SJ

 +44 (0)1264 334 095

 www.inetic.co.uk




Principal product

e-Motors

Printed Motor Works

PMW Dynamics
Newman Lane Alton
Hampshire GU34 2QW

 +44 (0)1420 594 140

 www.pmwdynamics.com




Principal product

e-Motors

YASA Limited

11-14 Oxford Industrial Park
Kidlington, Oxfordshire, OX5 1QU

 +44 (0)1865 952 100

 www.yasa.com



Principal product

e-Motors and controllers

▶ E-motor components

Bearings

JTEKT

Whitehall Avenue, Kingston
Milton Keynes MK10 0AX



Andrew.morgan@jtekt.eu



www.jtekt.eu



Company profile

Koyo is the bearing brand of JTEKT Corporation and supply all types of bearings into the Automotive sector. Many innovative features to reduce rotational losses mean Koyo is the bearing partner of choice for many European OEM's and EV motor manufacturers.


Principal product


Bearings

NSK Europe



Northern Road, Newark
Nottinghamshire, NG24 2JF

 +44 (0)7714 711641

 rowlands-d@nsk.com

 www.nsk.com

Company profile

NSK (Nippon Seikō Kabushiki-gaisha, Japan Precision Company), is an international manufacturer of bearings. The company produces automotive bearings, industrial machinery bearings, and precision machinery and parts, with manufacturing plants, research and development centres, testing laboratories, sales and customer service offices, and distribution centres throughout the world. The company currently has a global workforce of approximately 25,000 employees of which approximately 4,000 are employed in Europe. NSK has local production in the UK, with manufacturing plants at Peterlee, County Durham, and Newark, Nottinghamshire.

Principal product


Automotive and industrial bearings


Control software

Hofer Powertrain UK Limited



2 Titan Business Centre, Spartan Close
Warwick, CV34 6RR

 +44 (0)1926 674 500

 info@hofer-powertrain.co.uk

 www.hoferpowertrain.com



Company profile


As an established and independent partner of the mobility industry, Hofer Powertrain has been providing pioneering technologies and products to companies worldwide for over 40 years, accomplished by an experienced teams of experts specialised in the development, industrialisation, and production of powertrain systems.

Principal product

Full powertrain supplier

EMB Power

Unit 4, Ashlea Gardens, Alderley Road
Chelford, Cheshire, SK11 9AP

 +44 (0)1625 326 610

 www.emb-power.com



Principal product


Embedded controls, display solutions and EV architectures

Electrical steels

Tata Steel



Llanwern House, Llanwern Works
Newport, NP19 4QZ

 +44 (0)2476 155 524

 automotiveuk@tatasteelurope.com

 www.tatasteelurope.com



Company profile

Tata Steel is one of the few steel suppliers that offers advanced steel solutions for electric motors, energy storage and conversion systems, crash-management components and outer panels. This integrated product offering, supported with in-depth application knowledge and engineering services, makes Tata Steel the preferred partner in your electrification journey.


Principal product

Electrical steels

Housing

Grainger & Worrall

Building 7
Stanmore Industrial Estate
Bridgnorth, WV15 5HP

 +44 (0)1746 768 250

 www.gwcast.com



Principal product


Castings

Insulators

Evans Shims & Gaskets



Units E & F, Fording bridge Business Park Ashford Road, Fordingbridge, Hampshire, SP6 1BD

 +44 (0)1202 825 764

 sales@evanssg.co.uk

 www.evanssg.co.uk



Company profile

We produce insulators and thermal interface components for use within EV powertrain, power electronics and battery systems. As a company we have intricate knowledge of the challenges faced within E machine development, both radial and axial flux. We have an in-depth knowledge of the thermal management requirements of modern-day power electronics and associated systems.

Principal product


Insulators


Motor laminations and core packs

HV Wooding



Range Road Ind Estate, Range Road
Hythe, Kent, CT21 6HG

 +44 (0)1303 264 471

 sales@hvwooding.co.uk

 www.hvwooding.co.uk



Company profile

H V Wooding are experts in the production of high-performance components for the Hybrid & Electric vehicle market, including the manufacture of bespoke Busbars for battery and drivetrain applications and Motor laminations and Core packs.

Principal product

Manufacture of metal components


Rare earth magnets

Less Common Metals

Unit 2 Hooton Park
North Road, Ellesmere Port
Cheshire, CH65 1BL

Principal product

Manufacture and supply of rare earth metals

 +44 (0)151 356 3500

 www.lesscommonmetals.com

Sealants

Hylomar

Cale Lane, Wigan, WN21JT

+44 (0)1942 617 000

info@hylomar.co.uk

www.hylomar.co.uk



Company profile

Hylomar Limited manufactures a wide range of high-performance sealants and adhesives used by leading automotive OEMs. Hylomar non setting sealants seal against many types of fluids and stop joint corrosion whilst allowing for easy disassembly of parts for service or recycling. IATF 16949 / ISO9001 certified.

Principal product

Non setting jointing compound for sealing electric vehicle battery packs and electric motors.

Thermal resin

FAC Technology

53 Lydden Grove
London SW18 4LW

+44 (0)203 417 6766

www.factechnology.com



Principal product


Thermal interface materials


► Full powertrain

Powertrain assembly

ACCU Technology UK

Sandford Gate, East Point Business Park
Oxford, OX4 6LB

 +44 (0)1865 306 645

 info@accu.eu

 www.accu.eu

The logo features the word "ACCU" in a large, bold, red, italicized sans-serif font. Below it, the words "Total Quality Solutions" are written in a smaller, blue, sans-serif font.

Company profile

ACCU provides intelligent solutions for supply chain quality management and third-party logistics (3PL), delivering reliable and efficient services to both global and local clients. We expertly integrate proprietary intelligent quality platforms with warehousing and logistics for the automotive, consumer electronics, electromechanical and intelligent manufacturing industries.


Principal product


Quality, 3PL, Warehousing

Everrati Automotive



221 Camp Road, Heyford Park
Bicester, OX25 5HQ

 +44 (0)207 118 1890

 sales@everrati.com

 www.everrati.com



Company profile

Everrati™ passionately redefine the most iconic cars and make them relevant to the world today. Each car's past is preserved by a meticulous, concours-standard restoration whilst simultaneously receiving a meticulously engineered zero-emissions, full-electric powertrain that offers much improved levels of outright performance, refinement and of course sustainability.

Principal product


Premium electrified iconic cars

Meritor (now Cummins)



Cummins Ltd (CBS)
Mitcheldean, GL17 1AR



 +44 (0)1325 556 000

 www.cummins.com



Company profile

Meritor, Inc. is a leading global supplier of drivetrain, mobility, braking, aftermarket and electric powertrain solutions for commercial vehicle and industrial markets. With more than a 110-year legacy of providing innovative products that offer superior performance, efficiency and reliability, the company serves commercial truck, trailer, off-highway, defense, specialty and aftermarket customers around the world.

Principal product

Full powertrain supplier

Perkins Engine Company



Frank Perkins Way, Peterborough
Cambridgeshire PE1 5FQ



+44 (0)1733 583 000



www.perkins.com



Company profile

With a history stretching back 90 years, Perkins is one of the world's leading providers of diesel engines. Aiming to set standards of engineering excellence, providing the most comprehensive range of innovative and reliable power solutions, tailored to meet the precise requirements of customers.

Principal product

Full powertrain supplier

Prodrive

Chalker Way, Banbury
Oxfordshire, OX16 4XD



+44 (0)1295 273 355



www.prodrive.com



Principal product

Engineering solutions

ZF Automotive UK

Blythe Valley Business Park
Central Blvd, Shirley
Solihul, B90 8BG



www.zf.com



Principal product

Full powertrain supplier

Powertrain design and integration

Swindon Powertrain



Crampton Road, Swindon, SN3 3JJ



+44 (0)1793 531 321



www.swindonpowertrain.com

The Swindon Powertrain logo, featuring the word "SWINDON" in a large, bold, black sans-serif font with a red 'S', and the word "POWERTRAIN" in a smaller, black, spaced-out sans-serif font below it.

SWINDON
POWERTRAIN

Company profile

For over 50 years, Swindon Powertrain has delivered a wide spectrum of activities, from concept design and development through to the manufacturing of bespoke powertrains and components. Today the company designs, simulates, manufactures and tests internal combustion engines, electric powertrains, battery systems and associated components.

Principal product

Powertrain development and manufacture

Powertrain manufacture

Cummins



Cummins Ltd (CBS)
Mitcheldean, GL17 1AR



+44 (0)1325 556 000



www.cummins.com



Company profile

Cummins designs, manufactures, and distributes engines, filtration, and power generation products. Cummins also services engines and related equipment, including fuel systems, controls, air handling, filtration, emission control, electrical power generation systems, and trucks.

Principal product

Full powertrain supplier

► Hybrid transmissions

Hybrid transmissions assembly

Magnomatics Limited

Park House, Bernard Road
Sheffield, S2 5BQ



+44 (0)114 241 2570



www.magnomatics.com



Principal product

e-Motors and generators


► Powertrain design and development


E-Powertrain test equipment

Thyssenkrupp System Engineering



Unit 5, The Felbridge Centre, East Grinstead
West Sussex, RH19 1XP

 +44 (0)7946 911 591

 adrian.tooms@thyssenkrupp.com

 www.thyssenkrupp.com



Company profile

Thyssenkrupp System engineering provide turn-key solutions for automated assembly and test systems, equipment and services in the area of EV drive and battery assembly with a major focus on transformation towards electro-mobility.

Principal product


Automated assembly and test equipment for EV battery and powertrain


Powertrain design and integration

BGE Automotive



Five Fords Gate, Bridge Road, Wrexham
Industrial Estate, Wrexham, LL139PS

 +44 (0)1978 595 395

 Info@BGE-Automotive.co.uk

 www.BGE-Automotive.co.uk



Company profile

BGE Automotive specialise in automotive control system development. Our expertise is powertrain and chassis and EV control systems and we can support our customers from concept through to production. From software development, simulation and validation, functional safety and cyber-security to in vehicle calibration/application, we cover the entire range of OEM control system requirements.

Principal product

Automotive control system development

AVL Powertrain UK Limited

Langdale House, Sable Way
Southfields Business Park Basildon
Essex, SS15 6SR

 www.avl.com




Principal product

Powertrain design and development

Delta Cosworth

Unit 9, Silverstone Technology Park
Silverstone Circuit, Northants
NN12 8GX

 +44 (0)1327 858 200

 www.delta-cosworth.com




Principal product


Powertrain design and development

Continental Engineering Services



Lancaster Road, Fradley Business Park, Fradley,
Lichfield, Staffordshire, WS13 8RY

 +44 (0)7972 346 224

 richard.spalding@conti-engineering.com

 www.conti-engineering.com



Company profile

Early innovator of EV Technology & Systems Integration from its 1990s ZyteK roots to Continental's 2014 acquisition. Broad EV services & product capability. Design, simulation, prototyping, manufacturing capabilities in efficient, power-dense, lightweight motors, inverters, DC-DC and more. OEM, niche and motorsport markets. Consulting and troubleshooting third party EV product designs.


Principal product


Engineering solutions

Electra Commercial Vehicles Ltd



Unit D, Johnson Way, Shadsworth Business Park
Blackburn, BB1 2QJ

 +44 (0)1254 784 093

 enquiries@electracommercialvehicles.com

 www.electracommercialvehicles.com

Company profile

Electra creates fully electric commercial vehicles for a worldwide market and a cleaner future. Providing the ultimate clean vehicle technology combined with an OEM body to exact operations, supported by a high-quality maintenance package.


Principal product


Engineering solutions

Lunaz Applied Technology



1503 Silverstone Technology Park
Silverstone, Northamptonshire, NN12 8FU

 +44 (0)1327 222 811

 info@lunaz.design

 www.lunaz.design



Company profile

Lunaz Applied Technology (LAT) upcycle conventionally powered vehicles with an electrified powertrain. Key products include an electrified refuse truck, which includes a bespoke battery system and electrified powertrain developed by LAT.


Principal product


Upcycled Electric Vehicle production

RDM Group/Aurrigo



Unit 33 Bilton Industrial Estate Humber Avenue
Coventry, CV3 1JL

 +44 (0)24 7663 5818

 ask@aurrigo.com

 www.aurrigo.com



Company profile

Aurrigo automotive technology division which was established in 1993 develops and supplies a range of innovative design engineering support, product solutions, manufactured products and services to premium vehicle OEMs and global Tier 1 manufacturers.


Principal product

Engineering solutions

TAE Power Solutions



3900 Parkside, Solihull Parkway Birmingham
Business Park, West Midlands, B37 7YG

 +44 (0)3303 203 040

 www.power-solutions.tae.com



Company profile

TAE Technologies is on a mission to create a global energy revolution by developing clean, safe, carbon-free, commercial fusion power. The company's work represents the fastest, most practical, and economically competitive solution to bring abundant clean energy to the grid. It has filed over 1,800 patents globally with over 1,100 granted, \$1.2 billion in private capital raised, five generations of National Laboratory-scale devices built along with two more in development, and an experienced team of over 400 employees. TAE is based in California, and maintains international offices in the UK and Switzerland.


Principal product

Electric powertrain technologies

UTAC (Millbrook Proving Ground)



Millbrook, Bedford
MK45 2JQ

 +44 (0)1525 404 242

 www.millbrook.co.uk



Company profile


Millbrook provides vehicle test and validation services and systems to customers in the automotive, transport, tyre, petrochemical and defence industries. It is independent and impartial in everything it does.

Principal product

Vehicle validation, testing, homologation and certification

FEV UK Limited

C-Alps Coventry Innovation Village
Cheetah Road
Coventry, CV1 2TL

 +44 (0)2476 016 501


 www.fev.com



Principal product
Powertrain design and
development

Hypermotive Limited

3 Cosford Business Park
Central Park, Lutterworth
Leicestershire, LE17 4QU

 +44 (0)1455 377 310


 www.hyper-motive.com



Principal product
Powertrain integration

Performance Projects

Unit 2220 Silverstone Technology
Park, Silverstone Circuit Silverstone,
Northants, NN12 8GX


 +44 (0)1327 856 032

 www.performance-projects.com

Principal product
Powertrain design and
development

Rockfort Engineering

Unit 1A, 20B Wildmere Road
Banbury, OX16 3JU

 +44 (0)1295 983 998

 www.rockfortengineering.com



Principal product
Electrical engineering solutions

Romax

Ergo House, Mere Way
Ruddington Fields Business Park
Nottingham, NG11 6JS

 +44 (0)1142 225 566


 www.romaxtech.com



Principal product
Powertrain development solutions

Turntide Technologies

Turntide Drives Eighth Avenue
Team Valley Trading Estate
Gateshead, NE11 0QA

 +44 (0)191 497 9007

 www.turntide.com




Principal product

Powertrain design and development

Vantage Power

Unit 7 Ockham Drive
Greenford, London, UB6 0FD

 +44 (0)208 8130 850

 www.vantage-power.com



Principal product

Design & manufacture of hybrid and electric systems

► Raw materials

Rare earth metals processing

Pensana

Rex House, 4-12 Regent Street
4th Floor, London, SW1Y 4PE

 www.pensana.co.uk



Principal product

Rare earth metal processing


▶ Testing


Electrified powertrain testing

Mahle Powertrain



Costin House, St. James Mill Road
Northampton, NN5 5TZ

 +44 (0)1604 738 000

 powertrain@mahle.com

 www.mahle-powertrain.com



Company profile


MAHLE is a leading international development partner and supplier to the automotive industry as well as a pioneer and technology driver for the mobility of the future. We are committed to making transportation more efficient, more environmentally friendly, and more comfortable by optimizing the combustion engine, driving forward the use of alternative fuels, and laying the foundation for acceptance and worldwide introduction of e-mobility.

Principal product

Powertrain engineering and consultancy services

Ricardo

Shoreham-by-Sea
West Sussex, BN43 5FG

 +44 (0)1273 455 611

 www.ricardo.com



Principal product

Engineering solutions

Intertek



8 Tanners Drive, Blakelands, Milton Keynes
Buckinghamshire, MK14 5BN



+ 44 (0)1908 513 018



www.intertek.com

Company profile

Intertek is a leading global Total Quality Assurance provider for the automotive sector, with state-of-the-art EV test facilities across Europe. Our UK-based test centres combine the latest cutting-edge, high-speed test technologies with industry-leading expertise, delivering a 24/7 year-round operation to support our clients' transition to Net Zero.

Principal product

EDU, Drivetrain and Vehicle Testing

▶ Vehicle control systems

All powertrain components

BEDEO

BD Auto and Energy Limited,
36 Dover Street, London, W1S 4NH



+44 (0)1252 741 800



www.bedeo.tech

Principal product

Vehicle electrification

The background of the slide is a dark blue gradient with numerous bright, horizontal and diagonal light streaks that create a sense of motion and energy. The streaks are most prominent in the lower half of the image, where they appear as blurred, glowing lines. In the upper half, the streaks are more subtle and less frequent.

▶ Hydrogen


► Fuel cell


Fuel cell powertrain integration

Mahle Powertrain



Costin House, St. James Mill Road
Northampton, NN5 5TZ

 +44 (0)1604 738 000

 powertrain@mahle.com

 www.mahle-powertrain.com



Company profile

MAHLE is a leading international development partner and supplier to the automotive industry as well as a pioneer and technology driver for the mobility of the future. We are committed to making transportation more efficient, more environmentally friendly, and more comfortable by optimizing the combustion engine, driving forward the use of alternative fuels, and laying the foundation for acceptance and worldwide introduction of e-mobility.

Principal product

Powertrain design, testing and validation

Fuel cell systems

Cummins



Cummins Ltd (CBS)
Mitcheldean, GL17 1AR



+44 (0)1325 556 000



www.cummins.com



Company profile

Cummins designs, manufactures, and distributes engines, filtration, and power generation products. Cummins also services engines and related equipment, including fuel systems, controls, air handling, filtration, emission control, electrical power generation systems, and trucks.

Principal product

Full powertrain supplier

Intelligent Energy



Charnwood Building, Holywell Park, Ashby Road
Loughborough, Leicestershire, LE11 3GB



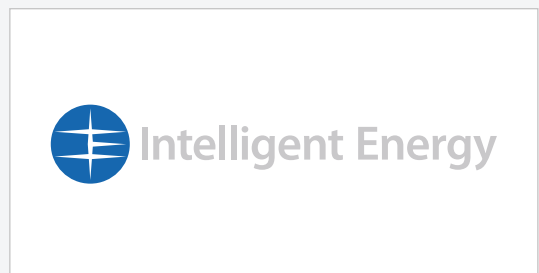
+44 (0)1509 271 271



sales@intelligent-energy.com



www.intelligent-energy.com



Company profile


Intelligent Energy have developed a range of fuel cell products based on patented fuel cell technology, providing power from sub-1kW to over 100kW for applications including automotive, aerospace, power generation, telecoms, marine, rail and materials handling.

Principal product

Fuel cell

Ballard Motive Systems

24 Ashwin Street
London, E8 3DL

 +44 (0)20 7503 1386

 www.ballardmotivesolutions.com



Principal product
Fuel cell systems

Bramble Energy

6 Satellite Business Village
Crawley, RH10 9NE


 www.brambleenergy.com



Principal product
Fuel cell

Fuel Cell Systems

Station Yard, Hungerford
Berkshire, RG17 0DY

 +44 (0)1488 507 050

 www.fuelcellsystems.co.uk



Principal product
Fuel cell systems

Proton Motor

57 St James's Street
London, SW1A 1LD

 +49 (0)89 / 127 62 65-0


 www.proton-motor.de



Principal product
Fuel cell systems

ULEMCo

Unit 7F Topham Drive, Aintree Retail
and Business Park, Liverpool, L9 5AL

 +44 (0)151 525 0540

 www.ulemco.com



Principal product
Integrated fuel cell systems


▶ Fuel cell components


Control units

Continental Engineering Services



Lancaster Road, Fradley Business Park, Fradley,
Lichfield, Staffordshire, WS13 8RY

 +44 (0)7972 346 224

 richard.spalding@conti-engineering.com

 www.conti-engineering.com



Company profile

Early innovator of EV Technology & Systems Integration from its 1990s ZyteK roots to Continental's 2014 acquisition. Broad EV services & product capability. Design, simulation, prototyping, manufacturing capabilities in efficient, power-dense, lightweight motors, inverters, DC-DC and more. OEM, niche and motorsport markets. Consulting and troubleshooting third party EV product designs.


Principal product

Engineering solutions

Gas diffusion layer

TFP Global

Burnside Mills, Kendal
Cumbria, LA9 6PZ

 +44 (0)1539 818 220

 www.tfpglobal.com



Principal product

Non-woven battery enclosures

▶ Hydrogen storage

Hydrogen storage tank manufacture

CMB Tech

Prospect House, Prospect Way
Hutton, Essex, CM13 1XA



+44 (0)1277 261 400



www.cmb.tech



Principal product
Hydrogen storage

▶ Fuel cell development

Fuel cell system test equipment

Thyssenkrupp System Engineering



Unit 5, The Felbridge Centre, East Grinstead
West Sussex, RH19 1XP



+44 (0)7946 911 591



adrian.tooms@thyssenkrupp.com



www.thyssenkrupp.com



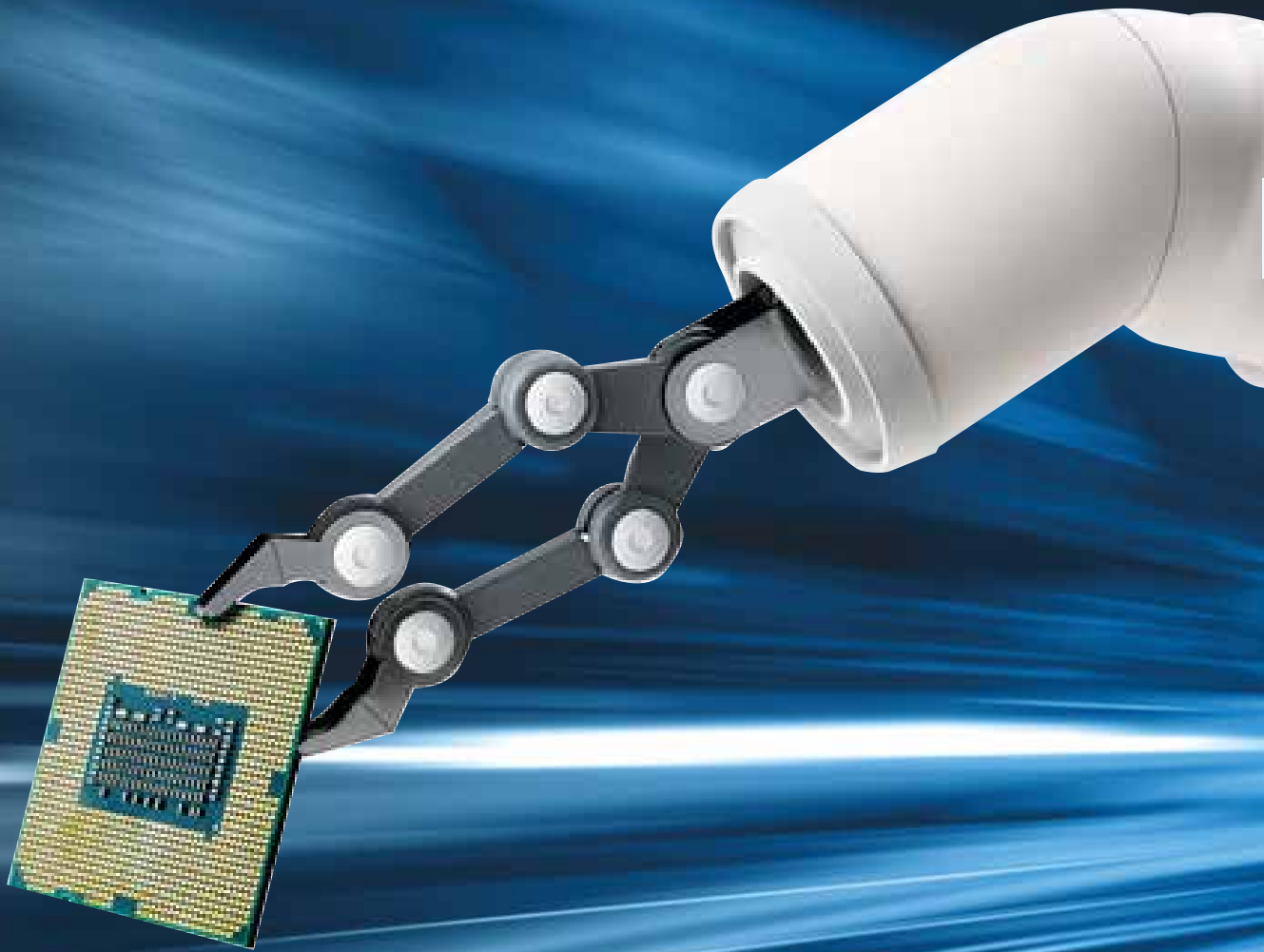
Company profile

Thyssenkrupp System engineering provide turn-key solutions for automated assembly and test systems, equipment and services in the area of EV drive and battery assembly with a major focus on transformation towards electro-mobility.

Principal product

Automated assembly and test equipment for EV battery and powertrain

▶ **Power
electronics**



▶ Complete Power Electronics Systems

All power electronics

BEDEO

BD Auto and Energy Limited
36 Dover Street, London, W1S 4NH

 +44 (0)1252 741 800

 www.bedeo.tech




Principal product
Vehicle electrification

▶ Components

Electrical windings

Additive Analytics

Telford Innovation Campus
Shifnal Road, Priorslee, Telford
Shropshire, TF2 9NN

 +44 (0)7586 505 536

 www.additiveanalytics.co.uk




Principal product
3D printing thermally and
electrically conductive materials


Insulators

Evans Shims & Gaskets



Units E & F, Fording bridge Business Park Ashford Road, Fordingbridge, Hampshire, SP6 1BD

 +44 (0)1202 825 764

 sales@evanssg.co.uk

 www.evanssg.co.uk



Company profile

We produce insulators and thermal interface components for use within EV powertrain, power electronics and battery systems. As a company we have intricate knowledge of the challenges faced within E machine development, both radial and axial flux. We have an in-depth knowledge of the thermal management requirements of modern-day power electronics and associated systems.

Principal product

Insulators

Power relays

Omron Electronics



Opal Drive, Fox Milne, Milton Keynes, MK15 0DG



uk@omron.com



www.omron.com

The word "OMRON" in a bold, blue, sans-serif font, centered within a white rectangular box with a thin grey border.

Company profile

A leading company of automation centered on its Sensing & Control + Think technologies, OMRON Corporation is engaged in a wide range of businesses, including control equipment. OMRON supports manufacturing innovation by providing advanced automation technologies and products, as well as through extensive support, to help create a better society.

Principal product

Global automation solution provider from relays to robotics, autonomous robots and more.


▶ Controls


Electronic controls and software

Continental Engineering Services



Lancaster Road, Fradley Business Park, Fradley,
Lichfield, Staffordshire, WS13 8RY

 +44 (0)7972 346 224

 richard.spalding@conti-engineering.com

 www.conti-engineering.com



Company profile

Early innovator of EV Technology & Systems Integration from its 1990s ZyteK roots to Continental's 2014 acquisition. Broad EV services & product capability. Design, simulation, prototyping, manufacturing capabilities in efficient, power-dense, lightweight motors, inverters, DC-DC and more. OEM, niche and motorsport markets. Consulting and troubleshooting third party EV product designs.


Principal product


Engineering solutions

Protean Electric



Unit 10B Coxbridge Business Park
Alton Road, Farnham, Surrey, GU10 5EH

 +44 (0)1252 741 800

 info@proteanelectric.com

 www.proteanelectric.com



Company profile

Protean Electric is an automotive technology firm. We are over 150 talented people based in the UK and China. Our mission is to drive sustainable transport through innovation. Since 2008, we have focused on the development of ProteanDrive technology. Today we are the world leader of in-wheel motor technology.

Principal product


In-wheel e-motors

► Inverters

Copper inverter cooler plates

Additive Analytics

Telford Innovation Campus
Shifnal Road, Priorslee, Telford
Shropshire, TF2 9NN

 +44 (0)7586 505 536

 www.additiveanalytics.co.uk



Principal product

3D printing thermally and electrically conductive materials

Electrolytics

Charcroft Electronics Ltd

Dol-y-Coed, Llanwrtyd Wells
Powys, LD5 4TH



+44 (0)1591 610 408



www.charcroft.com



Principal product
Specialist electrolytics

Inverters

Würth Electronics



8 The Vic, MediaCity
Manchester, M50 3SP



+44 (0)161 872 0431



info@we-online.com



www.we-online.com



Company profile


The Würth Elektronik Group activities span the globe with three business units in international markets and with 23 production sites worldwide. Business units include Electronic & Electromechanical Components, Printed Circuit Boards and Intelligent Power and Control Systems.

Principal product

Power management electronics

McLaren Applied

Victoria Gate
Chobham Rd
Woking, GU21 6JD

 +44 (0)1483 261 400

 www.mclarenapplied.com




Principal product
800V Invertors

Terminals for Inverters

Dawson Shanahan Ltd



Henfaes Lane, Welshpool
Powys, Wales SY21 7BE

 +44 (0)1938 551 700

 Jeff.kiernan@dawson-shanahan.co.uk

 www.dawson-shanahan.co.uk



Company profile

75 Years in precision Engineering, Specialise in Cold Forming and CNC machining, Test, Assembly. Tier 1 automotive supplier exporting over 80% of sales. Started in EV mobility in 2014 developing and making High Power Copper connectors for Commercial vehicles today sold over 10,000 to the EV sector. Quality Accreditations, ISO14001 ISO 9001 IATF 16949.

Principal product

Copper Connectors/Terminals for EV mobility

Testing and development

Intertek

8 Tanners Drive, Blakelands, Milton Keynes
Buckinghamshire, MK14 5BN



+ 44 (0)1908 513 018



www.intertek.com



intertek
Total Quality. Assured.

Company profile

Intertek is a leading global Total Quality Assurance provider for the automotive sector, with state-of-the-art EV test facilities across Europe. Our UK-based test centres combine the latest cutting-edge, high-speed test technologies with industry-leading expertise, delivering a 24/7 year-round operation to support our clients' transition to Net Zero.

Principal product

EDU, Drivetrain and Vehicle Testing


▶ Power electronics assembly

Power electronics manufacture

TAE Power Solutions



3900 Parkside, Solihull Parkway Birmingham
Business Park, West Midlands, B37 7YG

 +44 (0)3303 203 040

 www.power-solutions.tae.com



Company profile

TAE Technologies is on a mission to create a global energy revolution by developing clean, safe, carbon-free, commercial fusion power. The company's work represents the fastest, most practical, and economically competitive solution to bring abundant clean energy to the grid. It has filed over 1,800 patents globally with over 1,100 granted, \$1.2 billion in private capital raised, five generations of National Laboratory-scale devices built along with two more in development, and an experienced team of over 400 employees. TAE is based in California, and maintains international offices in the UK and Switzerland.


Principal product

Electric powertrain technologies

Custom Interconnect

Charlton Road, Andover
Hampshire, SP10 3JL

Principal product
Power electronics manufacture

 +44 (0)1264 321 321

 www.cil-uk.co.uk

Delphi Technologies (Borgwarner)

Gallows Hill
Warwick, CV34 6DA



Principal product
Power electronics


 www.delphiautoparts.com

Turntide Technologies

Turntide Drives, Eighth Avenue
Team Valley Trading Estate
Gateshead, NE11 0QA



Principal product
Electric powertrain technologies

 +44 (0)191 497 9007

 www.turntide.com




► Power electronics design & development


Calibration, application, test and validation

BGE Automotive



Five Fords Gate, Bridge Road, Wrexham
Industrial Estate, Wrexham, LL139PS

 +44 (0)1978 595 395

 Info@BGE-Automotive.co.uk

 www.BGE-Automotive.co.uk



Company profile

BGE Automotive specialise in automotive control system development. Our expertise is powertrain and chassis and EV control systems and we can support our customers from concept through to production. From software development, simulation and validation, functional safety and cyber-security to in vehicle calibration/application, we cover the entire range of OEM control system requirements.

Principal product


Automotive control system development


DC-DC convertor design

Continental Engineering Services



Lancaster Road, Fradley Business Park, Fradley,
Lichfield, Staffordshire, WS13 8RY

 +44 (0)7972 346 224

 richard.spalding@conti-engineering.com

 www.conti-engineering.com



Company profile

Early innovator of EV Technology & Systems Integration from its 1990s Zytex roots to Continental's 2014 acquisition. Broad EV services & product capability. Design, simulation, prototyping, manufacturing capabilities in efficient, power-dense, lightweight motors, inverters, DC-DC and more. OEM, niche and motorsport markets. Consulting and troubleshooting third party EV product designs.

Principal product

Engineering solutions

FutureMotiv

The American Barns
Banbury Road, Lighthorne
Warwickshire, CV35 0AE

 www.rle-futuremotiv.com



Principal product


DC-DC convertor design


Inverter design

Continental Engineering Services



Lancaster Road, Fradley Business Park, Fradley,
Lichfield, Staffordshire, WS13 8RY

 +44 (0)7972 346 224

 richard.spalding@conti-engineering.com

 www.conti-engineering.com



Company profile

Early innovator of EV Technology & Systems Integration from its 1990s ZyteK roots to Continental's 2014 acquisition. Broad EV services & product capability. Design, simulation, prototyping, manufacturing capabilities in efficient, power-dense, lightweight motors, inverters, DC-DC and more. OEM, niche and motorsport markets. Consulting and troubleshooting third party EV product designs.

Principal product

Engineering solutions

► Semiconductors

GaN power devices

Cambridge GaN Devices (CGD)

Jeffreys Building
Suite 8, Cowley Road
Cambridge, CB4 0DS



+44 01223 425 185



www.camgandevices.com



Principal product
GaN power devices

Inex Microtechnology

Herschel Annex, Kings Road Newcastle
upon Tyne, NE1 7RU



+44 (0)191 500 7200



www.inexmicro.com



Principal product
GaN power devices

Semiconductor manufacture

Dynex

Doddington Road
Lincoln, LN6 3LF



+44 (0)1522 502 818



dynexsemi.com



Principal product
Design, development and
production of High Power
Semiconductor modules and
Power Assemblies

Maxpower Semiconductor UK

Llantarnam Industrial Park
Ste 12, Cwmbran, Torfaen
NP44 3AW



+1 408 899 5161



www.maxpowersemi.com



Principal product

High performance power
semiconductors

Semefab

Newark Road
South Eastfield Industrial Estate
Glenrothes, KY7 4NS



+44 (0)1592 630 630



www.semefab.co.uk



Principal product

Semiconductor manufacture

Silicon Carbide wafer manufacture

Clas-SiC

Avenue Industrial Estate
Lochgelly, Fife, KY5 9HQ



+44 (0)1592 373 601



www.clas-sic.com



Principal product

Silicon Carbide wafer foundry


► Thermal management


Gap pad

Evans Shims & Gaskets



Units E & F, Fording bridge Business Park Ashford Road, Fordingbridge, Hampshire, SP6 1BD

 +44 (0)1202 825 764

 sales@evanssg.co.uk

 www.evanssg.co.uk



Company profile

We produce insulators and thermal interface components for use within EV powertrain, power electronics and battery systems. As a company we have intricate knowledge of the challenges faced within E machine development, both radial and axial flux. We have an in-depth knowledge of the thermal management requirements of modern-day power electronics and associated systems.

Principal product

Insulators

The background of the slide features a dynamic, abstract pattern of blue light streaks and rays, creating a sense of motion and depth. The colors range from deep navy blue to bright, glowing white highlights, particularly along a horizontal band across the middle.

- ▶ **Additional
EV components**


▶ Cable & pipe management clips

NVH Products

Essentra Components



Langford Locks, Kidlington, Oxon, OX5 1HX

 +44 (0) 345 528 0474

 sales@essentracomponents.co.uk

 www.essentracomponents.com



Company profile

Essentra Components is a global market leader in plastic injection moulded, vinyl dip moulded and metal components. We operate internationally in 29 countries across 4 continents through our 14 manufacturing facilities, 34 distribution centres and 40 sales and service locations.


Principal product


Automotive plastic injection moulded, vinyl dip moulded and metal components

Jet Press



Nunn Close, Huthwaite
Nottinghamshire, NG17 2HW

 +44 (0)1623 551 800

 Sales@jetpress.com

 www.jetpress.com

Company profile

JET PRESS is a leading global supplier of value engineered solutions and components. We help manufacture, build and assemble engineered fasteners, components, and hardware. Through our global supply chain and in-house engineering and development expertise, we help lower the risk, cost, and complexity of our customers' supply chains.

Principal product


Automotive components

► Controls

HMI

EMB Power

Unit 4, Ashlea Gardens, Alderley Road
Chelford, Cheshire, SK11 9AP

 +44 (0)1625 326 610

 www.emb-power.com

Principal product

Embedded controls, display solutions and EV architectures


▶ EV concept build


Integration

Continental Engineering Services



Lancaster Road, Fradley Business Park, Fradley,
Lichfield, Staffordshire, WS13 8RY

 +44 (0)7972 346 224

 richard.spalding@conti-engineering.com

 www.conti-engineering.com



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Principal product

Engineering solutions


▶ EV HVAC systems

Compressors

Sanden International



Rosewood, Crockford Lane Chineham,
Basingstoke Hampshire, RG24 8UT

 +44 (0)1495 241 500

 Sie-marketing@g-sanden.com

 www.sanden-europe.com



Company profile

Sanden is a Global Tier 1 supplier to the Passenger Car, Truck and Off Highway OEMs. Sanden produce fully electric compressors for mobile air conditioning systems as well as heat exchangers and electric coolant heaters. Sanden is also at the forefront of new Battery Thermal Management systems production and design.

Principal product


Thermal management solutions


Electric Coolant Heaters (ECH)

Sanden International



Rosewood, Crockford Lane Chineham,
Basingstoke Hampshire, RG24 8UT

 +44 (0)1495 241 500

 Sie-marketing@g-sanden.com

 www.sanden-europe.com



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Principal product

Thermal management solutions


▶ EV system integration


Mechanical and vehicle

Continental Engineering Services



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Lichfield, Staffordshire, WS13 8RY

 +44 (0)7972 346 224

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 www.conti-engineering.com



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Principal product

Engineering solutions


▶ High performance polyamides


High performance polyamides

EMS-Chemie



Forest Lodge, Dunston Business Park,
Staffordshire, ST18 9AB

 +44 (0)1785 283 739

 gary.beach@uk.emsgrivory.com

 www.ems-group.com



Company profile

EMS-GRIVORY are an established global producer of polyamide compounds recognised by OEM's and Tier suppliers. We pride ourselves on delivering technical driven solutions for light-weighting, metal replacement, function integration and cost down without compromising on quality or performance. With the right design and material selection this can support sustainability targets.

Principal product

High Performance Polyamide Compounds for injection moulded coolant tubing, connectors, manifolds, pumps


► On-board power


PM Motors and generators

Fischer Panda



17 Blackmoor Rd. Ebblake Est.
Verwood. Dorset BH31 6AX

 +44(0)1202 820 840

 info@fischerpanda.co.uk

 www.fischerpanda.co.uk



Company profile

Specialist Mobile, Marine, MOD & Blue light provider of integrated onboard power systems and components from project conception to supply, installation, commissioning and in service support.

Principal product

Compact super quiet diesel, hybrid & Zero emission mobile payload power and climate control systems, for specialist vehicles and ELCV`s

► Specialist logistics services

Storage and transport

Unipart Logistics



Unipart House, Garsington Road
Cowley, Oxford, OX4 2PG



+44 (0)1865 778 966



www.unipart.com

The logo for Unipart Group, with "UNIPART" in red and "GROUP" in blue, separated by a horizontal bar.

Company profile

Unipart Logistics provides imaginative and transformational opportunities that go beyond traditional logistics, with unrivalled award-winning environmental and safety credentials. We focus on delivering our experience, innovation and advantage for our customers, who bring the same to theirs. We provide a wide range of supply chain services, underpinned by a suite of digital products across multiple sectors and markets.

Principal product


Logistics


► Wheels & Tyres

EV specific wheels

Dymag Group

Unit A/B Brunel Park, Vincients Road Bumpers
Farm Industrial Estate Chippenham, SN14 6NQ

 +44 (0)1249 446 438

 sales@dymag.com

 www.dymag.com



Company profile

Dymag has been a leading manufacturer of lightweight wheels for cars and motorcycles since 1974. Today Dymag specialises in carbon hybrid (carbon rim with forged aluminium or magnesium spokes) and forged aluminium monobloc wheels. We have full in-house capabilities to take wheels from initial design to full homologation.

Principal product

Car and Motorcycle wheels

EV specific tyres

ENSO

8 Hermitage Street, London, W2 1BE



team@ensotyres.com



www.ensotyres.com



ENSO

Company profile

ENSO is a UK tyre technology company that makes better tyres for electric vehicles (EVs), to extend EV range and reduce tyre pollution, a major source of air- and micro plastic pollution. ENSO is the only tyre company that is a Certified B-Corporation and delivers its better tyres directly to EV customers, via a D2C business model that bypasses the legacy tyre industry.

Principal product

Tyres for Evs

► Wiring harnesses

EV HV drive line cables

Sanmina

Unit 9, Kingston Business Park
Argowan Street, Port Glasgow
Strathclyde, PA14 5DG



www.sanmina.com

SMMT
MEMBER 



Company profile

Sanmina SCI UK Ltd cable and assembly provides custom design, NPI, full product development, technology transfer focused on the Automotive market compliant to IATF16949, ISO 14001 & ISO 9001. Sanmina's UK based design team specializes in raw cable design, cable assembly, PCBA, Plastics and Metal work mainly for the automotive market.

Principal product

Wiring Harness/Cell harness/Sub frame harness, Automotive wiring/cable and harness and interconnects

High tension leads

Hayakawa International (UK) Ltd

Unit 9, Kingston Business Park,
Argowan Street, Port Glasgow,
Strathclyde, PA14 5DG

Principal product

High tension leads for battery
driven vehicles




www.rle-futuremotiv.com


Prototype wiring harnesses

Continental Engineering Services



Lancaster Road, Fradley Business Park, Fradley,
Lichfield, Staffordshire, WS13 8RY

 +44 (0)7972 346 224

 richard.spalding@conti-engineering.com

 www.conti-engineering.com



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Principal product

Engineering solutions

FutureMotiv

The American Barns
Banbury Road, Lighthorne
Warwickshire, CV35 0AE

 www.hayakawa.co.uk



Principal product

EV powertrain engineering services

The Society of Motor Manufacturers and Traders

71 Great Peter Street, London SW1P 2BN

Tel: +44 (0)20 7235 7000

Email: membership@smmt.co.uk

www.smmt.co.uk

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