

Instrumentation, Analysis & Testing Exhibition 2020



EXHIBITOR GUIDE

1G Dynamics Ltd

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Our primary activity is supporting users of vibration test systems. We are completely flexible in our approach to delivering services across the industry, whether these involve preventative maintenance, breakdown repair, system relocation, on-site calibration or testing. Our aim is to provide users with solutions that will keep their systems running safely and reliably.

A&D Europe

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A&D is a global supplier of measurement, simulation and control solutions for powertrain testing and vehicle development. Our open, flexible and cost-effective tools are designed to fit a variety of applications, from durability, performance, HiL simulation, tyre and battery test systems. Our complete range of products includes data acquisition and control systems, combustion analysis, dynamic contact force, real-time simulation systems and model-based auto-calibration tools.

AcSoft Ltd

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AcSoft is a leading specialist in sound & vibration instrumentation, sensors, data acquisition and software. It has an extensive portfolio of products from manufacturers including gfaitech, Sinus and Microflown. AcSoft is the parent company of GRAS UK, creators of high-quality measurement microphones and associated acoustic equipment for aerospace, automotive, defence and electroacoustic markets.

Alphatech Ltd

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Alphatech supply and service the most advanced environmental testing equipment. We offer a UKAS accredited test laboratory, performing tests on behalf of and with clients; striving to offer the best technical support and services. We are exclusive UK and Ireland distributors for Crystal Instruments; the leading designer and manufacturer of vibration controllers, data acquisition devices and upgradable, user-friendly software.

Applied Measurements Ltd

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Applied Measurements supply and manufacture standard and custom load cells, pressure, torque, displacement transducers and instrumentation, to all industries from aerospace, automotive, geotechnical, medical, materials testing and subsea. Plus, UK-based strain gauge bonding from R&D projects to high volume orders. We are ISO 9001:2015 Quality Management Certified by BSI for the design, manufacture and distribution of transducers and measuring systems.

AVL UK Ltd

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AVL is the world's largest independent company for the development, simulation and testing of powertrain systems. Independent of the direction you are taking, we have the expertise and solutions to support you. Be this with conventional and electrified powertrains, their integration into the vehicle, connectivity, assisted and autonomous driving, through to data intelligence – we are there for you.

Campbell Associates

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Campbell Associates supply new & innovative measurement systems, transducers & acoustic mapping tools for pinpointing & measuring sound & vibration issues for engineering applications. On stand see the next generation Acoustic Camera, the latest kit for Sound Intensity Measurements & the user friendly Multi Channel System for all acoustic testing.

CaTs³ Ltd

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CaTs³ is a specialist in design, development and supply of Digital Controllers and Software. The Cube provides a powerful solution to your servo-hydraulic testing needs. Scalable from single to multi-axis testing it is perfect for a wide range of test machines and rigs. Ideal for new systems or modernisations of existing test rigs. Proud to be associated with ZwickRoell.

CentraTEQ Ltd

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As a provider of product integrity test systems, CentraTEQ is an agent for a number of international companies manufacturing a range of systems. These systems include Vibration Test Systems, Shock and Bump Testers, Vibration Controller and Package Test Systems. Working with colleagues in the industry we provide a turnkey solution integrating a number of disciplines into a single combined and complete test system.

Concorde Publishing Ltd

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Founded in 2010, and present at EIS Silverstone since 2011, Concorde Publishing Ltd provides high quality information to our professional and subscriber audience of test, measurement, design & development engineers. Our current range of journals includes Testing & Test Houses, DAQ Sensors & Instrumentation and Test House Directory as well as the websites TestHouseDirectory.com and EnvironmentalEngineering.org.uk

Correlated Solutions & Enabling Process Technologies

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Enabling Process Technologies represents Correlated Solutions who are the leaders of Digital Image Correlation (DIC) measurement systems for non-contact, full-field analysis of 3D shape, motion, deformation and strain. Any object can be analysed under any loading condition. Our turn-key systems allow you to start acquiring valuable data immediately with data exported in numerous ways for easy interpretation and FEA validation.

Data Acquisition & Testing Services Ltd

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Data Acquisition & Testing Services provides, test, measurement, instrumentation, analysis and engineering consultancy services. Test engineers are available nationally and outside the UK. Sales and service of the latest digital data collection equipment, with a full calibration facility for instruments and sensors, hire of dataloggers, sensors and cables is also offered. Vibration, and durability testing is available within our laboratory.

Data Physics UK Ltd

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Data Physics have been supplying high performance solutions in signal processing to the noise and vibration community since 1984. With a full line of electrodynamic shakers to complement its vibration controllers and dynamic signal analysers, Data Physics is a total solution supplier for vibration test applications. Data Physics products are "Made in the USA" and "Made in the UK".

Datron Technology Ltd

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Datron Technology are suppliers of automotive test & measurement systems for electric, hybrid and autonomous vehicle development, as well as vehicle dynamics and ADAS validation. From RTK 1cm ground-truth systems, to NCAP crash targets, dataloggers and our latest addition of LiDAR and INS integration, Datron Technology can offer a solution for almost any type of testing.

Delta Motion Ltd

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Delta Motion designs, manufactures, markets, and supports motion controllers for hydraulic, electrical, and pneumatic systems. With a track record of more than 35 years of motion control development, customer responsiveness, continuous incremental improvement, and support for both legacy and new products, Delta delivers lasting value.

Dewesoft UK Ltd

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DEWESoft manufactures a wide range of measurement solutions covering measurement applications across all industries. DEWESoft provides flexible, modular and rugged Data Acquisition systems combined with a versatile turn key software package for Data Recording and Analysis serving applications such as Road Load Data recording, ADAS Testing, E-Mobility, Combustion Analysis, NVH, Power Analysis, Flight Test, Frequency Analysis and many more.

Electric & Hybrid Vehicle Technology International

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First published in 1995 and now sent free of charge three times a year to over 20,000 key specifiers and decision-makers throughout the global electric drive industry, Electric & Hybrid Vehicle Technology International is firmly established as the world's leading international showcase for technology and innovation in electric, hybrid and fuel cell vehicle design, development and manufacture.

Elstar Elektronik AG

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ELSTAR Elektronik AG is a Swiss company formed in 1984 specialising in the field of vibration and mechanical shock testing. Today ELSTAR has grown into a company providing industry worldwide with mechanical shock test machines, vibration measurement systems, expert field measurement services particularly in the area of rotating machinery. ELSTAR is also a supplier of accelerometers, vibration testing equipment.

Emissions Analytics

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Emissions Analytics is the leading independent global testing and data specialist for the measurement of real-world emissions and in-cabin air quality of passenger cars, commercial vehicles, non-road mobile machinery rail and marine. Whether for R&D, regulatory preparation or benchmarking, our customers turn to us for unrivalled expertise in the application of Portable Emissions Measuring Systems (PEMS) and Pollution In-Cabin Measurement Systems (PIMS).

Fischer Connectors Ltd

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For more than 60 years, Fischer Connectors has been reimagining connectivity. Designing and testing electronic equipment requires high-quality connectors to ensure repeatable, accurate connections. Fischer Connectors' products offer a wide range of contact configurations, including low and high voltage, fiber optics, hybrid connections for transmitting gas or fluid in the same body as well as hermetically sealed options.

Gantner Instruments

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Gantner Instruments specializes in the measurement of mechanical, thermal and electrical quantities. Innovative measurement technology solutions optimise the quality of products and manufacturing technologies in almost all applications: engine or component test stands, process monitoring and long-term monitoring. Innovative measurement hardware, powerful software solutions and qualified technical support. Automotive, Aerospace, Rail, Power Generation, Renewable Energy, Civil Engineering and Process.

GOM UK

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GOM is a leading innovator in developing optical 3D metrology systems and measurement software. GOM develops, produces and sells software and systems worldwide, for 3D coordinate measuring technology and 3D testing based on the latest research results and innovative technologies. In addition, GOM shares knowledge on processes and measurement technology in training courses, conferences and application-based workshops.

HBK – Hottinger, Brüel & Kjær

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HBK – Hottinger, Brüel & Kjær, home to the HBM Test and Measurement and Brüel & Kjær Sound and Vibration brands, plus nCode and Reliasoft. It is a subsidiary of UK-based Spectris plc (www.spectris.com), which has annual sales of £1.5 bn and employs approximately 9800 people worldwide. For more information, please visit www.hbkworld.com

HEAD acoustics UK Ltd

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HEAD acoustics has developed hardware and software solutions for measuring and analysing sound events on the basis of aurally-accurate recording and playback systems, which have become today's industry standard. In addition, HEAD acoustics researched and developed numerous internationally-approved measurement tools in other fields of noise and vibration and telecommunication technology.

Huber UK Temperature Control Ltd

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We are the technology leader for high precision thermoregulation in research and industry. Our products ensure precise temperature control in laboratories, pilot plants and production processes. Our product range offers solutions for all thermoregulation tasks from -125 to +425°C. www.huber-online.com

IAC Acoustic Company UK Ltd

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IAC Acoustic Company UK Ltd specialise in noise control and bespoke engineered solutions. Our experience in the industry spans 70 years and our knowledge and passion for providing solutions is second to none. Our anechoic chambers and engine test facilities are designed, installed and commissioned by our highly experienced team ensuring customer satisfaction every time.

IDT (UK) Ltd

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IDT manufacture compact and rugged high speed cameras, perfect for both lab and field tests. Short (impact) tests and sustained testing over longer time periods are made possible with the X-Stream Mini range of streaming cameras and recorders. Equally compact/ rugged LED lighting compliments the cameras, and analysis software to turn the images into quantifiable data, completes the testing system.

imc Test & Measurement GmbH

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imc produces state of the art data acquisition systems and sensors for vehicle testing, RLDA, durability testing, e-mobility testing and many more applications. Our goal is to make the user more productive by providing very capable, robust hardware combined with easy to use software. The systems are flexible and configurable to suit an individual user's needs.

Interface Force Measurements Ltd

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Interface Force specialise in supplying complete Force, Multi Axis, Torque and Pressure measurement solutions. Products include single and multi axis load cells and torque sensors; Six axis force plates and transducers; pressure sensors and pressure mapping systems. We also supply complete range of amplifiers, indicators, data loggers and electronics, giving you the complete measurement solution.

IPETRONIK GmbH

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IPETRONIK GmbH is a globally operating company specialising in Mobile Measurement Technologies, DAQ Software, Engineering Services and Test Bench Technology for the automotive industry. Strategically connected via five business divisions IPEmeasure, IPEmotion, IPEengineering, IPEtec and IPEservices, IPETRONIK combines technical expertise to provide modular solutions for vehicle development applications: Fleet Data Logging, Thermal, HV, RLDA, Endurance, NVH & durability testing.

KDP Electronic Systems Ltd

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KDP Electronic Systems is a privately owned electronic based design and manufacturing company providing solutions to major customers that include aerospace, defence and automotive markets. KDP has long been associated with the sound and vibration instrumentation world as designers, manufacturers and suppliers of signal conditioning and bespoke measurement systems. KDP represent in the UK Wilcoxon Sensing Technologies, CTC and Vigor Technologies.

Kistler Instruments

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Kistler Instruments Ltd is the global leader in dynamic measurement technology, including the measurement of pressure, force, torque and acceleration. In particular we offer a range of products and services for automotive development, from vehicle speed sensors to wheel force transducers.

LaVision UK Ltd

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Supply scientific imaging systems to its customers from industry and academia. Application fields include automotive, aerospace or power generation. Material testing benefits from our highly accurate non-contact measurement systems for deformation and strain measurements. Multi-dimensional velocity fields in wind tunnels, particle concentrations and diameters are measured in-situ. LaVision excels in providing on-site customer training and support including contract work.

m+p international (UK) Ltd

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m+p international develops and manufactures test and measurement systems for vibration testing, dynamic signal analysis, data acquisition, process monitoring and test stand engineering. Our state-of-the-art products meet the highest demands on quality and reliability and have a significant market share in numerous key industries worldwide – everywhere where maximum efficiency and shortest time to market are crucial.

MANNER Sensortelemetrie GmbH

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MANNER Sensortelemetrie is specialist for contactless telemetry. Today's demand on power density places demands on engineering measurements. High temperatures up to 200°C, high speeds (>100.000g), electromagnetic compatibility and restricted space. This is MANNER's strength. We provide a wide product range like torque transducers, telemetry applications for temperature, torque and vibration measurements for turbochargers, aircraft turbines, helicopter shafts or power train.

Mecmesin Ltd

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Mecmesin is a leading global designer and manufacturer of force, materials and torque testing equipment for quality control. The focus of the company has always been to provide high quality test solutions, which are an affordable alternative to the many higher-priced systems available, enabling small and large businesses alike to undertake quality control checks on their materials & products without compromising on precision and accuracy.

Micro-Measurements

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Micro-Measurements®, A Vishay Precision Group, Inc. (VPG) brand, is dedicated to the development, manufacture, and marketing of resistive-foil sensors for high precision strain measurement. Micro-Measurements® offers a full complement of Strain Gauges, Bonding Service, PhotoStress® equipment and coatings, Data Acquisition systems and supplies necessary to obtain accurate, reliable stress data.

Moog Controls Ltd

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Moog is a designer, manufacturer and integrator of high performance, high integrity control systems and equipment, (electro-hydraulic and electro-mechanical) satisfying a broad range of applications in aerospace, defence and Industrial markets. Moog UK Systems Division provides a broad range of products and services for structural test & simulation and has a proven track record in the successful implementation of major multi-disciplinary projects.

Niche Vehicle Network

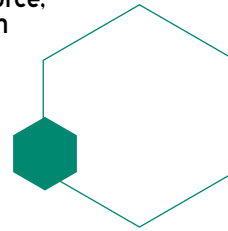
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The Niche Vehicle Network, is an association of niche vehicle manufacturers, specialist technology, system suppliers, research organisations, design and engineering companies, collaborating on the application of innovative technologies in specialist vehicle production. Through strategic funding, NVN aims to promote and stimulate R&D collaboration and partnership working to support the growth of UK niche manufacturers and their UK supply chains and creating jobs and skills.

PCB Piezotronics Ltd

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PCB Piezotronics, Inc. is a designer, manufacturer, and global supplier of accelerometers, microphones, force, torque, load, strain, and pressure sensors, as well as the pioneer of ICP® technology. This instrumentation is used by design engineers and predictive maintenance professionals worldwide for test, measurement, monitoring, and control requirements in automotive, aerospace, industrial, R&D, military, educational, commercial, OEM applications, and more.



Peli Products (UK) Ltd

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Peli waterproof, crushproof cases are designed for instrumentation and electronics that require safe transportation or protection. Instrumentation and monitoring equipment can be built into the cases using panel frames for easy installation of electronic control panels. We offer a full custom foam service, designing and manufacturing bespoke interiors for enhanced protection and organisation for tool kits or delicate, valuable equipment.

Photo-Sonics International Ltd

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Photo-Sonics are a leading supplier of instrumentation and telemetry systems and can provide a wide range of solutions to suit the most demanding measurement requirements. Irrespective of your project requirements, we can provide help and advice, gained from 40+ years of experience in a wide range of instrumentation fields.

Photron Europe Ltd

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With more than 30 years' experience in the design and manufacture of digital high speed imaging systems for research and industry, Photron has become renowned for the performance, reliability and ease of use of its products, backed up by excellent support in Europe and overseas.

Polytec Ltd

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Polytec has been manufacturing a wide range of laser vibrometer, velocimetry and surface topography instruments for non-contact measurement for more than 50 years. Research, development, production or even for long-term monitoring, our equipment range allows for analysis of different size, shape and material from large objects to micron-sized MEMS.

Prosig Ltd

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Prosig are experts in the monitoring, measurement & analysis of sound & vibration. The company provides turnkey data capture and analysis systems for a wide range of applications with particular focus on NVH, condition monitoring and noise & vibration testing for the automotive, aerospace and power generation industries.

RDP Electronics Ltd

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RDP Electronics is a UK manufacturer, selling transducers and instrumentation measuring displacement, force and pressure. We offer linear and rotary displacement transducers including submersible, high-temperature and radiation-resistant designs. We have custom design capability. We also sell and support Sensotec load and pressure transducers. Many transducers will be displayed. Our stand will be manned by engineers keen to discuss specific requirements.

Sensor Technology Ltd

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LoadSense, strain gauge tension load sensors which wirelessly transmits its data to our compatible readouts, recording its data locally on its built in memory, are available from 1 to 50 Tonnes. TorqSense torque sensors offer non-contact digital rotary torque measurement, suitable for monitoring, testing or controlling drive mechanisms, available from 10mNm to 13000Nm, with overload up to 300%.

Servotest Testing Systems Ltd

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Servotest is a UK-based supplier of specialist servohydraulic mechanical simulation systems. Using low-friction hydrostatic bearing actuators, optimized for dynamic performance with high side-load tolerance and long service life, Servotest delivers innovative, cost-effective systems tailored to customer's needs. Pulsar controls combine a robust distributed architecture with fibre-optic digital communication. EZFlow test-sequencing and customised displays support expert or novice users alike.

Sherborne Sensors

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Sherborne Sensors is a global leader in the design, development, manufacture and supply of high-precision inclinometers, accelerometers, force transducers and load cells, instrumentation and accessories for civil engineering, industrial, military and aerospace customers. Products are supplied under the AS9100D Quality Accreditation and are renowned for their ultra-reliability and long-life precision within critical applications. Services include Repair, Refurbishment and Calibration.

Shimadzu UK Ltd

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Shimadzu is a leading Japanese company involved in the manufacturing of Precision Analytical Instrumentation. Our quality materials testing solutions include Universal and Fatigue Testing Frames, Micro Hardness Testers, FTIR, High Speed Video Cameras and Balances. Our analytical and measuring instruments, and industrial machinery are now used for a broad range of applications in a wide variety of industries.

Siemens Digital Industries Software

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Enhance testing processes, boost productivity and product innovation with Simcenter Testing Solutions. Integrating multiphysics data acquisition hardware with a complete suite of acquisition, analytics and modelling software to cover a wide range of tests. Delivering critical insights for smart products, increase productivity and efficiency, maintain quality, enhance team collaboration and flexibility, close the loop with simulation and lower the cost of ownership.

Soundcam UK

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Based in Coventry, we distribute in the UK for the world market leading German sound camera manufacturer CAE Software und Systems GmbH. We offer consulting, rental and purchase with both the BIONIC Series and the SOUND CAM. We offer the highest performance for the lowest prices – that's why we lead the market! www.soundcam.uk

Spectral Dynamics UK Ltd

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Spectral Dynamics, founded in 1961, is a leading worldwide supplier of systems and software for vibration testing, structural dynamics, and acoustic analysis. Spectral Dynamics' products are used for design verification, product testing and design improvement by manufacturers of all types of electronic and mechanical products.

Star Hydraulics Ltd

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Star Hydraulics Ltd, established in 1983, based in the U.K. design and manufacture high quality Electro-Hydraulic Servo-Valves utilising sapphire technology to eliminate ball glitch and modernised components to reduce contamination failures. In addition to the supply new valves, we have a world class EHSV service & repair facility servicing all makes and models of traditional servo valves.

Strainsense Ltd

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Strainsense supply a wide range of sensor technologies for the measurement of Pressure, Force, Position, Vibration and Strain along with Data Acquisition systems to provide the complete measurement chain. Not only do we provide class leading products, we can supply sensor solutions to fit your application with full technical advice and support offered by our skilled engineers. Increasingly we specialise in test rigs and complete test systems.

Techni Measure Ltd

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Techni Measure supply an extensive range of sensors, transducers, instrumentation and calibration systems for the measurement of strain, vibration, acceleration/g force, displacement, load, force, torque, pressure, temperature and attitude/orientation. We will be showcasing a wide range of products at Silverstone. Our new sister company Quad I can offer sensor installation and measurement services, or integrate sensors into a measurement system.

Thermal Vision Research

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Supplying FLIR's range of specialist IR thermography cameras for research and development (R&D), Thermal Vision Research Ltd (TVR) has over 10 years' experience in the thermal imaging market. From non-destructive testing to paper processing, or consumer appliance design, to ballistics, talk to the team to see how IR thermography could be your problem-solver.

THP Systems Ltd

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THP Systems are based in Letchworth, UK. We provide Test and Measurement products and services for the Environmental Test Industry, including Vibration (ED & Hydraulic), Climatic, Drop, Shock, Incline, Sensors and DAQ Products from world leading manufacturers. THP also have a commercially available Test House (including Calibration), which supports customers who require one off or a series of environmental testing.

Torquemeters Ltd

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Pioneers in design and manufacture of torque measurement systems for high-speed & high-power rotating applications, Torquemeters is at the forefront of testing the next generation of e-motor & e-propulsion systems. A provider of specialist torquemeters, couplings and turnkey test rigs. A key partner to aero engine, automotive, industrial machinery and industrial turbine manufacturers, Torquemeters has over 2,500 systems installed worldwide.

Transmission Dynamics

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We create our own data by designing bespoke sensors. With our own range of telemetry systems, we recover in-service data from the most demanding industrial applications and environments. With our Global Data Network, we monitor assets globally. We employ intelligent pattern recognition and advanced AI routines immediately after our down-to-earth engineering know-how and diagnostics routines are fully deployed and implemented.

United Electronic Industries Ltd

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UEI collects real-world data for Aerospace, Transportation, Energy, and Defense industries so our customers can build smart systems that are reliable, flexible and rugged. We are the leader in the PC/Ethernet data acquisition and control, Data Logger/Recorder and Programmable Automation Controller (PAC) and Modbus TCP markets.

VBox Racelogic

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Racelogic design and manufacture the VBOX range of GNSS, Inertial and Indoor Positioning Systems that are used by almost every vehicle and tyre manufacturer around the world. Founded in 1992, Racelogic are experts in positioning and have a range of solutions that enable you to measure speed and position in any environment, even where you cannot get GPS.

Vibration Research UK

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Vibration Research is the innovator in vibration testing control, field data acquisition, and dynamic signal analysis. Our VR9500 Vibration Controller and tightly integrated VibrationVIEW software operate in testing labs around the world. Our ObserVR1000 Dynamic Signal Analyzer captures, displays, and analyzes field data, using the VR Mobile app or ObserVIEW software. Visit our booth to discuss your testing and analysis requirements.

Vispiron Rotec GmbH

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ROTEC is the world's leading company for the sophisticated measurement and analysis of torsional and rotational vibrations. ROTEC's measuring technology impresses with its unique measuring principle, high angular resolution and high-precision measurement data acquisition. In addition, ROTEC offers sophisticated engineering services in all areas of dynamic component and assembly testing with regard to complex functional analyses.

ZwickRoell

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ZwickRoell manufactures and supports a wide range of materials testing machines, systems and accessories for use in research, quality control and production. Our extensive portfolio covers almost every segment, from medical to plastics and metals. Our products accommodate tension, compression, flexure, friction, peel, torsion, impact, melt flow, hardness and fatigue testing, making them ideal for the most rigorous testing requirements.

To register visit www.e-i-s.org.uk