

Telsonic's partnership and collaboration are key to technology and process development

PLASTIC WELDING

METAL WELDING

CUTTING

CLEANING

SIEVING



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Product and technology businesses must continually invest in research, and the development of new products, systems and methods if the company and its products are to remain at the forefront of today's advanced manufacturing processes. The traditional concept of undertaking all product and process research and development in-house, and in isolation, is changing. In recent years we have seen major innovations and disruptive changes in areas such as manufacturing methods and materials development, not to mention the influences resulting from the transition away from the internal combustion engine to electromobility. Therefore to keep pace with developments, it has become increasingly important for businesses to align themselves with appropriate Industry Associations, Research Programmes, and Educational Establishments. By doing so, partner companies can not only make a valuable contribution to research and development programmes, but also benefit from the opportunities which result from this type of non-competitive cooperation. As a World leader in the design and manufacture of ultrasonic technology for plastic and metal welding, cutting, sieving, and cleaning, Telsonic has always recognised the benefits of close working partnerships with a range of industry specific associations and research centres. Today the company remains an active partner, contributing to a number of technology development projects internationally.

Telsonic's Collaborative Research Partnerships:

USCAR

(United States Council for Automotive Research LLC) is a collaborative automotive technology company located in Southfield, Michigan, USA. Founded in 1992, USCAR facilitates the legal collaboration of its Members to create teams and conduct projects that address pre-competitive challenges and opportunities in major automotive technology areas. These areas include advanced propulsion, electrical & electronics, energy storage, hydrogen fuel cells, manufacturing, and materials and safety. As a longstanding committee member, Telsonic was part of the group which worked on and defined the USCAR-38 and USCAR-45 specifications, collaborating closely with Don Price, the owner of these documents. Telsonic is also on the USCAR advisory board, contributing to standards definition for wire splicing and terminal welding applications. As a key member of the team who set the USCAR specifications, Telsonic's expertise and reputation in terminal welding is valued by a wide range of industry manufacturers.

USCAR
UNITED STATES COUNCIL FOR AUTOMOTIVE RESEARCH

ARENA2036, the “Active Research Environment for the Next generation of Automobiles” is one of nine research centres under the “Research Campus – Public-Private Partnership for Innovations” funding initiative in Germany. ARENA2036 is supported by the Federal Ministry of Education and Research (BMBF) and is run as a registered association with members from science and industry. The association’s partners, which include Telsonic, are active in various disciplines, including the automotive industry, aerospace technology, textile and materials research and industrial science. The objective of ARENA2036 is to make an active contribution to defining and shaping work, mobility, and production of the future, in the context of digitization. Located in Stuttgart, there is a strong focus on automotive production, with the year 2036, which is the 150th anniversary of the automobile, being an important milestone.

ARENA2036

Bayern Innovativ - the Society for Innovation and Knowledge Transfer jointly established in 1995 by representatives of Bavarian politics, business, and science – has been an important component of Bavaria's innovation policy for over 25 years. Focussing in particular on small and medium-sized enterprises, as they often lack the resources for costly innovation management, Bayern Innovativ enables them to successfully implement their ideas more quickly with tailor-made innovation services.

The Automotive Cluster initiates and coordinates working groups with the automotive industry focusing on automotive wiring systems. Over the years, an open community of OEMs, assemblers, cable manufacturers, contact manufacturers and equipment manufacturers such as Telsonic has emerged, which deals with diverse topics: new materials, automation, high data rates, variant reduction, ASIL in the wiring system (focus: failure rates). These examples represent but a few of the many active partnerships where Telsonic’s technology and application expertise plays a key role in helping to define and develop the manufacturing processes and technologies of the future.

bayern  innovativ
Innovation leben.

From Dirk Schnur, CMO at TELSONIC and Tom Pettit, Genesis Sales & Marketing Limited