

Sercos

the automation bus

Our expertise for your success

Sercos is the association of users and manufacturers that is in charge of technical development, standardization, certification and marketing for the Sercos automation bus.

Our global network includes manufacturers and users from various industries who benefit from the open, independent and high-performance Sercos technology, which is one of the world's leading digital interfaces for communication between controls, drives and decentralized peripheral devices.

Sercos has been used in machine engineering for approximately 25 years and is implemented in over 4 million real-time nodes.

As a global user organization with national liaison offices in Asia and North America, we bring the expertise together that you require in order to offer innovative and competitive products and services.

A network for the future

Our members create market-oriented impetus through their commitment to the Sercos community. The interplay between various manufacturers with cross-industry experience, coupled with knowledge of challenges and opportunities in the market, is the basis for the success of the Sercos technology.

The user organization thus ensures that ideas become standards that contribute to innovative products significantly optimizing the automation processes.

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You can find event and seminar dates on our website, along with Sercos-capable products.



Sercos International

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"Our membership allows us to actively co-create the future of Sercos III. The Sercos automation bus is, in our opinion, the best Ethernet-based solution for motion-based machines."

Klaus Weyer
Schneider Electric Automation GmbH

"With 17 years of experience using the Sercos automation bus, providing Sercos I, Sercos II and Sercos III products, IIS can confidently say that the reliability, versatility, and cost effectiveness of this solution is unsurpassed in the industry."

Christopher Englert
Industrial Invention Systems, Inc

"The Sercos automation bus defines perfect protocols and standards for servo drive technologies, makes it possible to implement steady and reliable synchronization and coordination of multi-motors with lower costs and especially fits for such applications as Industrial Robots, NC Machine Tools, etc."

Dr. Gan Yahui
Automation School, Southeast University

"From the drive bus to the universal bus with more than 4 million implemented real-time nodes in machine engineering: The Sercos technology offers the advantages of standardized, established real-time Ethernet mechanisms – which are resource-efficient and user-friendly."

Dr. Thomas Bürger
Bosch Rexroth AG

"Sercos convinces with its speed and the real-time data exchange. The open standard offers us good opportunities for implementation at the hardware level. In addition, the user benefits from communication on an Ethernet basis when connecting our image processing with the drive and control technology. We opted for membership in the association in order to have active participation in the development of Sercos together with strong partners."

Dr. Jürgen Geffe
Vision & Control GmbH

"Customers rely on us to solve their most demanding motion applications, and Sercos communication technology is the highest performance answer. Good customers, good machine builders continually push the performance envelope of their equipment, and staying current in the possibilities Sercos makes available, helps us meet those customer's demands."

Michael Binroth
GH Binroth

"As a Sercos technology supplier, intense and early inclusion both in technical and in marketing-relevant decision-making processes is very important to us. The membership offers us this advantage. Thus we can make technology expansions available to our customers promptly."

Christoph Melzer
CANNON-Automata

"We at 3S had no hesitation in implementing Sercos into our CoDeSys system. We have already had very good experiences with Sercos II and the outstanding degree of standardization of the drive profile. This made it possible for us to operate devices of a wide variety of manufacturers without expensive driver developments or adjustments."

Manfred Werner
3S-Smart Software Solutions GmbH

Bihl+Wiedemann opted for membership in Sercos because AS Interface, as an installation system in IP67 for simple sensors and actuators such as EMERGENCY STOP buttons, and Sercos, as an automation bus for linking the control periphery of drives and modular I/Os, for instance, complement each other outstandingly."

Isabel Abyanoglu
Bihl+Wiedemann

Become part of the Sercos community

Manufacturers and users from various industries benefit from their membership of Sercos.

Increasing your market presence

As a member, you can take advantage of the professional marketing of Sercos® worldwide. Present your company at trade fairs, conferences and seminars and benefit from our communication channels as well as the logos/ trademarks and similar in order to increase your company's market presence by marketing your Sercos capable products.

Example 1: Participation in a multi-vendor Sercos demo that is presented at various trade fairs worldwide, allowing you to present your company and your product portfolio to a large audience.

Example 2: Articles about innovative solutions in the Sercos News magazine and on the Sercos website at no additional cost.

Strategic co-determination and knowledge transfer

Sercos International brings the expertise together that you require in order to offer innovative and competitive products and services. Benefit from the knowledge transfer of the global network and contribute your company's expertise to the ongoing development of the Sercos standard. The Sercos PlugFests are just one opportunity to network and exchange detailed know-how. In addition, various technical services are open only to members and allow you to achieve a competitive advantage.

Example 1: Via our technical working groups, you can introduce new features into the specifications, which are added to the international standards after being approved by the bodies of the Sercos organization.

Example 2: Members receive technical specifications before they are released to the general public, which can contribute to product developments at an early stage. You can thus assert yourself much better in the global competition with your products.

License and certification concessions

As a member, you receive special discounts on software licensing and on the acquisition of tools that are subject to a charge (such as the Sercos Conformizer).

Example 1: Member companies receive a 50% discount on the list price when licensing the FPGA IP core.

Example 2: Members receive a discount of more than 15% on the list price when acquiring the certification tools, as well as when obtaining a product certification.

Global support

As a member, you have access to all technical documentation and specifications. We make training material and tools available for free. In addition, we train users and developers worldwide and organize the implementation of certifications for you.

Benefit fully from these advantages as a member.