Competence in Industrial Communication

www.hilscher.com
Since 1986, Competence in Communication

Industrial communication requires cutting-edge technology packaged in a minimum of space for the production processes of our modern world. It is fascinating to be part of this development. It is highly satisfying to shape things right from their beginnings. It is a truly fulfilling job to set up an enterprise for this purpose.

There are no solutions without passion. We gain experiences, think further, communicate way ahead of time, allow inspiration to carry us away, we are experimental and courageous. That’s how we develop innovative solutions for the world of industrial communication.

We do not view the relationship with our customers as a short term procedure or a one time event. Instead, we live a partnership characterized by continuity and utmost competence.

We are looking forward to a successful cooperation with you.
In the spirit of invention, Hans-Jürgen Hilscher, the founder of the company, has taken the privately owned business to a leading position worldwide. Our basic principle is still the same as it was in 1986: Together we can accomplish everything.

Our employees are the basis of our success and growth. Employees grow with their tasks – Hilscher grows with its employees. At Hilscher, you meet dedicated people who take on new challenges every day. Continuous training programs contribute to the awareness that each and every employee contributes to the high quality level of our products and services.

Technology is the primary focus at Hilscher. We provide you with a perfectly integrated product portfolio for industrial communication worldwide to meet highest expectations along the complete value chain – from proprietary ASICs via custom designed solutions to a wide range of standard products.

In a challenging market, strategic vision and innovation are key to steady growth. We have been able to maintain continuous growth even through economically difficult times. For the future, our goal is to expand together with our customers. We are determined to continue this corporate strategy and philosophy. A goal guaranteed by our founder Hans-Jürgen Hilscher, and his son Sebastian Hilscher.
Internationally proven netX technology

Your applications. All networks. One technology - netX.

With more than one million controllers worldwide, our netX technology is well established in the market. The outstanding novelty of this successful technology is the advantage that you can serve all networks typical in industrial communication with only one controller.

The netX controller range is the intelligent solution to implement all proven Fieldbus and Real-Time Ethernet systems in a minimum of space.

The versatility and flexibility of these controllers not only enable you to serve just about any type of application in modern factory automation. They also open the way into all markets worldwide.

Maybe you need a fast drive controller that meets stringent requirements for synchronicity and extremely high processing cycles. Maybe you are looking for a classic IO system for field operation. Or your project requires a complex control system with visualization and communication. There is a wide range of netX controllers in different performance classes providing you with the right platform for just about any application.

With its scalable platform and multi-network support, netX will future-proof your applications. Let netX build a secure position for your company as a leader in the field of industrial communication.

Industry 4.0 is changing all industries and markets and has a strong influence on industrial communication. Whether you call it a revolution or an evolution, factory automation is already moving to Industry 4.0. With many years of experience as a technology leader in the market of industrial communication, we are ready to support you as a reliable partner on your way into the future.

netX-Highlights

- Uniform standard interfaces across all systems
- All Fieldbus and Real-Time Ethernet systems as master or slave
- Open technology for custom applications
- Hardware and software from one source
- Availability for 10 years guaranteed

Learn more
Exactly the right product for any application.

Industrial communication networks need to offer interoperability with third party systems. This calls for open standards that protect your investments and offer the required freedom for operations and users alike.

Industrial communication is a very comprehensive spectrum. It ranges from Fieldbus systems all the way to Ethernet with its various real-time extensions and worldwide access via the internet. Products range from ASICs and gateways to PC cards with related drivers for various operating systems, OPC servers and configurators.

The international automation market is characterized by a variety of different hardware platforms. The spectrum of our communication interfaces reaches from PC-based systems with standard plug-in cards to add-on modules with status indicators and Fieldbus connectors. It also includes PLC modules and ASICs suitable for standard field devices produced in high quantities. One vital advantage is the fact that all of our products are scalable and designed for seamless interaction. They are perfectly matched to contribute to considerable cost savings and improved quality control, while resulting in synergy effects to secure the competitive advantage of our customers.

The high quality standard and the resulting longevity of our products are the basis for increased sustainability and a responsible use of natural resources.

No matter what type of communication solution you need for your device: There is no other provider on the market that is able to offer you such an extensive portfolio of solutions.

- PC cards in all form factors
- Gateways for all industrial protocols
- Communication modules in all varieties
- Test and evaluation boards
- Custom-designed modules
With innovative products and intelligent solutions Hilscher has set milestones for the automation world for more than 28 years. Never being fully satisfied, always looking for new solutions for industrial communication, continually driving progress and always going beyond the beaten path – this is the foundation of the inventive spirit at Hilscher. For Hilscher progress and continuous development call for securing the technological foundation, shaping the future with innovative solutions and strengthening Hilscher’s position as a technology leader. We are at the forefront of development: From the design of marketable products for our end-user customers to interdisciplinary projects for our customers in the OEM business. No matter what you are looking for, at Hilscher you will find reality-oriented thinking and have the chance to be part of the future development of technology.

The support and service offers of Hilscher are precisely tailored to the respective user groups.

Custom development, engineering services and know-how transfer

Use our experience and competence for your success.

Extending through the complete life cycle of your industrial communication solutions, our support is available for the complete process from planning and product design all the way to implementation and operation.

We offer system solutions and services to support your customer-specific requirements in fields, such as:

- IO systems
- IPCs and HMIs
- PLC communications
- Motion controllers, encoders
- Master and slave interfaces

Realtime Ethernet module in original size

Experience and comprehensive know-how with all systems
Independent and neutral technology provider
Solution-oriented support and service offers
Fast evaluation and adaptation of your systems
Fast time-to-market for your system design

Learn more
Hilscher is your global and customer-oriented premier partner for reliable and industry-specific solutions in the field of industrial communication. We offer our customers maximum flexibility in combination with superior economic advantages. From the first prototype all the way to series production we develop and produce each component ourselves. In order to reach our high quality standards, we use most modern manufacturing methods, the latest technologies and fully automatic systems for measuring and testing.

In order to make utmost use of synergy effects, we offer our customers a comprehensive worry-free package including consultation and product design, as well as production and delivery in customer-specific packaging and a dedicated aftersales service.

To live up to our own expectations and the challenges of the markets, we continuously push our worldwide product development capacity to new limits. In Hattersheim/Germany we operate our own flexible SMD manufacturing facility optimized for the production of low and medium quantity lots. Using a Flying Probe Tester and a Line 3D X-Ray system, we are able to guarantee production at the highest quality level.

In addition to all standard development tools we also use comprehensive equipment for quality control, such as EMI test systems and thermal imaging cameras.

Our production facility is able to fulfill almost any customer requirement within the shortest time – from individual sample boards and prototypes to both small and large production quantities. Technical expertise, first-class service, punctual delivery and reliability according to the principle ‘Everything from one single source’ lead the projects of our customers to success.

From prototype units to mass production

When Engineering and Production make the difference – look to Hilscher.
Customers are as unique as finger prints. That’s why we consider each customer individually – in the mutual effort to reach common goals.

We are always close to our customers and we know them personally. For this purpose we maintain our own subsidiaries in eight countries, with well-trained employees who speak your language and know the cultural characteristics of your country. We offer you our comprehensive support in your region – from project development via application design all the way to training your employees.

With our network of subsidiaries we provide comprehensive local support in all major automation markets. Along with research and product design at our headquarters in Hattersheim, Germany, we also maintain product development centers in Bulgaria, France and the USA. Our training programs and workshops, tailored to the requirements of our customers worldwide, make you familiar with proven technologies that help reduce development times and improve the performance and scalability of your applications.

Reliable partnership. Success through competence. Worldwide presence.