EVERYTHING YOU NEED FOR AUTOMATION

Sensors, systems, software and services

SICK
Sensor Intelligence.

UNLEASH THE POWER OF YOUR DATA

The digital revolution has been changing all of our lives for years. But the digitalization of industrial production processes still creates many questions for companies. These include: "What do I need to consider? "When will it pay off for me?" And in particular: "How do I implement it effectively?" A particularly important aspect of this is selecting the right partner, one who can support you with implementation and has expertise in three areas: sensors, integration, and data processing. Because these areas are closely intertwined and influence each other, they need to be tailored to one another to work together.

Generating the data at the field level

When implementing digitalization, it is sometimes forgotten that the best connection and the nicest dashboard are pointless if its foundation, i.e. the generation of data, is unreliable. SICK not only has a comprehensive portfolio of sensors, but also a deep understanding of processes and applications. Our experts will advise you when selecting and installing the sensors to ensure that you are actually measuring what really needs to be measured.

Interface between OT and IT

SICK offers a multitude of technologies and tools for ensuring a problem-free integration of the data into your control systems. Why? Because the best integration option depends on the application, location, and type of measurement. The issue of cybersecurity also plays an important role. SICK is guided in this respect by the international series of standards IEC 62443 "Industrial communication networks – Network and system security." This series of standards also provides a foundation for the development of products.

Data analysis and provision

To monitor and improve your processes, you need meaningful and valuable data on which to base your decisions. Our portfolio of digital solutions has been specially developed to provide you with these insights. Learn more about how our digital solutions generate added value at:

www.sick.com/digital-transformation

DIGITALLY AT YOUR SIDE – ALWAYS

Simplify your processes with the digital services from SICK

My SICK: Your personal self-service portal

- Available around the clock
- Clear product information
- Customer-specific price conditions
- Convenient ordering process
- Comprehensive document overview
- Current availabilities and delivery times

Register now:
➜ www.sick.com/myBenefits

Answers to your questions

- SICK Support Portal ➜ www.support.sick.com
- Manage your digital services ➜ cloud.sick.com
- 100+ apps for your application ➜ apppool.cloud.sick.com

Find the right solution

- For your industry ➜ www.sick.com/solutions
- For your task ➜ www.sick.com/tasks

LONG-TERM PROTECTION FOR YOUR INVESTMENTS
SICK LifeTime Services

The productivity of your plants, the availability of your systems, the safety of your employees: That is what SICK LifeTime Services is all about. From advice via technical support to modernization, SICK is at your side worldwide: via phone, digitally and on-site; with a global service network and over 75 years of practical experience.

Consulting
More than an answer

Engineering and integration
Implementing your solution

Technical support
Fast and efficient for high plant availability

Maintenance and inspection
Reliable and safe over the long term
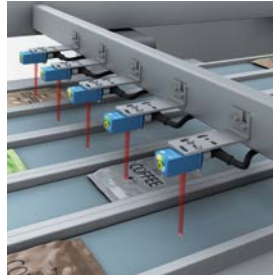
Modernization
Exploit potentials

Training
Targeted strengthening of expertise

Detection sensors

Detection sensors based on optical, magnetic, inductive or capacitive principles of operation ensure a reliable detection of different objects. These sensors have many applications, from presence and position detection to continuous condition monitoring and the detection of colors and contrasts.

For more information, click or scan the QR code.

Photoelectric sensors · Fiber-optic sensors · Inductive proximity sensors · Capacitive proximity sensors · Cylinder sensors · Contrast sensors · Glare sensors · Array sensors · Color sensors · Automation light grids · Condition Monitoring sensors · Fork sensors · Luminescence sensors · Magnetic sensors
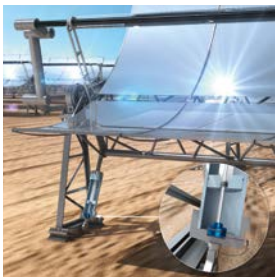
Distance sensors

As intelligent sources of data, distance sensors from SICK deliver precise information for almost any application, over many distances and in different applications. They are equipped with highly developed technologies and diverse interfaces.

Laser distance sensors · Ultrasonic distance sensors

Process sensors

The monitoring of relevant process parameters in industrial environments ensures greater efficiency and saves resources. Whether it be pressure, temperature, level or flow, SICK provides a wide range of solutions for process control, stock supply or the monitoring of liquids, gases and bulk materials.

Level sensors · Pressure sensors · Temperature sensors · Flow sensors

Motion control sensors

Motion control sensors measure speed, position and angle. They include encoders, motor feedback systems, non-contact motion sensors and inertial sensors. The sensors can be employed in numerous applications and industries and use a variety of technologies and communication interfaces.

Absolute encoder · Non-contact motion sensors · Inertial sensors · Incremental encoders · Linear encoders · Measuring wheel encoders · Motor feedback systems · Wire draw encoder

LiDAR sensors · Radar sensors

LiDAR and radar sensors

LiDAR and radar sensors detect and localize objects in their surroundings. In doing so, they detect the size and shape of these objects. The sensors are used in many indoor and outdoor applications, for instance on automated guided vehicle systems, harbor cranes, service robots, or in building automation.

Image-based code readers · Fixed mount barcode scanners · Mobile handheld scanners · RFID · Machine vision

Machine vision and identification

SICK offers a complete portfolio of 2D and 3D vision cameras, image-based code readers, fixed mount barcode scanners, mobile handheld scanners, and RFID read/write devices. Our technologies solve inspection and measuring tasks, read a variety of code types on different surfaces, and identify RFID tags.

Safety laser scanners · Safety multibeam scanners · Safety radar sensors · Safety camera sensors · Safety light curtains · Safe distance sensors · Safe series connection · Safety light-beam sensors · Safety relays · Safety switches · Safety controllers · Safety systems · Safe motion monitoring and control · Safety encoders · Safe motor feedback systems

Safety

Trust in our safety expertise to make the interplay between humans and machines safer and more productive. You can also take advantage of innovative safety solutions and first-class service from a single source. A global network of certified safety experts assists you with your individual projects.

Edge computing devices · Network devices · Displays · Distributor boxes · Plug connectors and cables · Power supply units and power supply cables · System plugs and extension modules

Network and connection technology

The network and connection technology from SICK offers comprehensive solutions for efficient and reliable connection, communication, data processing and visualization in industrial environments. With powerful and scalable solutions, SICK enables the seamless integration and efficient control of sensors and actuators. They promote process transparency and use targeted data analysis to optimize processes.

Object detection systems · Robot guidance systems · Localization systems · Profiling systems · Gateway systems · Quality control systems · Track and trace systems

Systems

SICK system solutions for specific customer requirements are especially suited to demanding indoor and outdoor applications. Complex measuring tasks can be solved through a combination of different principles of operation. Their compatibility with higher-level systems makes vertical integration into existing environments possible.

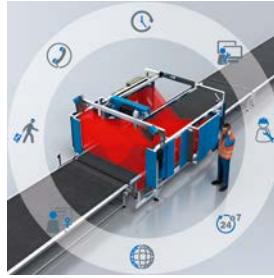Engineering tools · SICK SensorApps · Application software

Digital services and software

SICK offers a multitude of digital services and solutions to help you automate and optimize your production processes. With a combination of IT, OT and end-to-end solutions to choose from, we enable you to be successful in the digital world.

Consulting and design · Engineering and integration · Technical support · Maintenance and inspection · Modernization
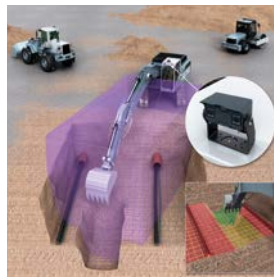
Service

As a solution provider, we will work with you to design the holistic implementation of your projects in the areas of industrial automation, safety and digitalization. From consulting to modernization, SICK LifeTime Services increase the productivity of your plants and machines, increase the safety of people, and provide a solid foundation for sustainable business operations.

Training

Training

Building up expertise is a decisive factor for commercial success. In practical training sessions and digital learning formats, SICK experts teach you the latest concepts and methods to optimize your applications. This ensures efficient and legally compliant planning as well as safe operation. Become an expert on safety standards, RFID, Six Sigma and Deep Learning.

Antennas · Rechargeable batteries and base stations · Mounting equipment · Shaft adaptation · Actuators and bolts · Codes · Device protection and care · Programming devices · Commissioning aids and test equipment · Signal transmitters · Magnets · Manual unlocking · Measuring wheels and measuring wheel mechanics · Optics · Wire draw mechanisms · Storage media · Transponders · Optical data transmission · Integration modules and adapters

Accessories

At SICK you will find mounting equipment, optical accessories, antennas, and much more to suit your application. These accessories are precisely tailored to the products so they can be quickly and easily integrated into existing systems. This makes your application efficient and reliable.

**Learn more about SICK's products at
www.sick.com/products**

SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 11,900 employees and over 50 subsidiaries and equity investments, as well as numerous international agencies, SICK is always close to its customers. An extensive range of products and services creates the ideal basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

SICK has extensive experience in various industries and understands their processes and requirements. With intelligent sensors, SICK delivers exactly what the customer needs. In application centers in Europe, Asia, and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes SICK a reliable supplier and development partner.

Comprehensive services round out the offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

That is "Sensor Intelligence."

Worldwide presence:

Australia, Austria, Belgium, Brazil, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Hong Kong, India, Israel, Italy, Japan, Malaysia, Mexico, Netherlands, New Zealand, Norway, Poland, Romania, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, United Arab Emirates, USA, Vietnam.

Detailed addresses and further locations ➔ **www.sick.com**

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