

Safety Services from SICK

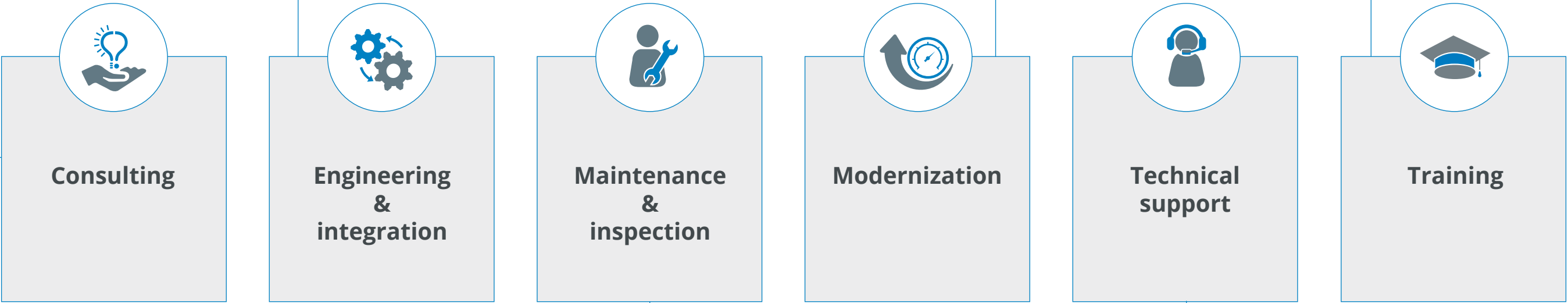
As a manufacturer and operating entity, you need to design your machines safely in order to protect your employees and ensure productive operating processes. SICK supports you in this with a broad service portfolio. From machine planning to modernization, certified safety experts accompany you step by step on the path to a safe machine. You determine the scope of service: We support you with individual services, e.g., by performing a risk assessment of your machine, or working with you to design a complete turnkey solution.

[Click here to see an overview of all machine safety services.](#)

[Click here to learn about the services that are right for you based on the machine life cycle.](#)



SAFETY SERVICES
PORTFOLIO



Note: Please note the country-specific availability of the services.

Consulting

SICK's support begins with the planning of safe machinery. You can rely on the in-depth specialist knowledge of certified safety experts when it comes to guidelines, standards and innovative safety solutions. Together with SICK, you design safe machines for efficient operating processes and the comprehensive protection of your employees.

Safety and risk assessment

Individual safety and risk assessment for effective risk reduction

Safety rating of the plant

You receive an overview of the general safety-related condition of your machines.



Comprehensive safety expertise

Rely on the many years of expertise of our safety experts and save valuable time and resources so you can focus on your core business.



Comprehensive safety evaluation of the machine

You receive an overview of the effectiveness of existing safeguards.



Detailed risk assessment of the machine

You receive solution proposals for appropriate risk reduction measures on your machines based on a targeted assessment.



Concept and feasibility

Design of automation and safety solutions

Personalized solution proposals

Your specific requirements for efficient and safe machines are in the best of hands with our experts.



Longstanding expertise

Rely on our comprehensive application expertise and save valuable time and resources so you can focus on your core business.



Expert analysis

Our experts analyze your requirements and check the feasibility taking state-of-the-art technologies into account.



Tailored concepts

We work closely with you to develop concepts that meet all the functional and safety requirements.



Accident investigation

Root cause analysis in the event of accidents and near misses

Root cause analysis by independent experts

Evaluation of the incident on the machine by independent specialists.



Comprehensive safety expertise

Rely on the many years of expertise of our safety experts and save valuable time and resources so you can focus on your core business.



Proposals for avoiding accidents

You receive concrete proposals on how to avoid accidents and near misses.



High testing quality through certification

Benefit from a high testing quality through certification and regular audits by independent bodies.

Engineering & integration

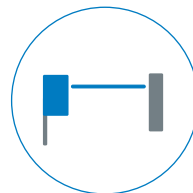
Whether new machines or existing plants: Certified safety experts from SICK develop safety solutions tailored to your requirements and take care of standard-compliant integration on site. When implementing your projects with SICK, you benefit from their detailed knowledge of national standards and guidelines as well as international perspective.

Solution Engineering

Specification and programming of hardware and software solutions

Efficient hardware design

Detailed specifications for efficient implementation of the automation and safety solutions including selecting and wiring the components.



Comprehensive safety expertise

Rely on the many years of expertise of our safety experts and save valuable time and resources so you can focus on your core business.



Structured software design

Detailed specifications of the software functions as well as the configurable and parameterizable components for efficiently realizing the required functionality.



Efficient engineering

You receive technical documentation as proof of a structured development process.



Acceptance services

Thorough check of the protective measures and safety functions

Verification of the protective measures

You receive a detailed and reliable verification of the safety solution. The measurement results provide valuable data for verifying the required limit values.



Longstanding expertise

Rely on our comprehensive safety expertise and save valuable time and resources so you can focus on your core business.



Fulfillment of normative requirements

Fulfill the normative requirements with clear and standards-compliant documentation.



Detailed documentation

You receive a verification and validation plan with a detailed description of the test procedure for the subsequent thorough check.



Maintenance and inspection

Maintenance and inspection of protective devices are essential for long-term safe operation. This is because machine wear and tear can cause safeguards to lose their effectiveness and lead to accidents at work. Safety experts from SICK ensure that the installed safety solutions function correctly. This enables you to comply with legal requirements, prevent machine downtimes, and create a safe working environment.

Inspection of protective devices

Efficient and professional checking of safeguards

High testing quality

Certification and periodic inspections in accordance with IEC 17020 that are carried out by independent bodies and with sustainable competency management.



SICK test seal

Quick identification of the inspection status of the protective device thanks to the SICK test seal.



Standards compliance

Proof of correct installation and functioning of the safeguards on the machine and fulfillment of the required inspection obligations.



High safety

Timely identification of safety-critical defects makes it possible to act before accidents occur.



High machine availability

Early detection of wear and tear allows timely action for a high machine availability.

Stop time measurement

Determining and checking the safety distance

Documentation of measurement results

Preparation of a report with measurement results for the machine documentation.



Standards-compliant measurement

Calculation of the required safety distance between the hazardous point and the non-physical guard according to ISO 13855.



Efficient stop time measurement

High testing quality through certification and periodic inspections in accordance with IEC 17020 that are carried out by independent bodies and with sustainable competency management.

Modernization

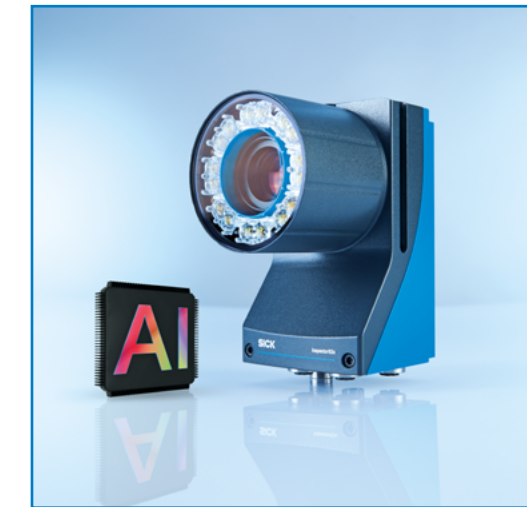
Do you want to map new processes, increase the efficiency of your machines and systems, or do you have to comply with new standards and directives? A completely new purchase is not necessary. With the LifeTime Services from SICK in the area of modernization, you can extend the service life of your plants and machines economically and in compliance with standards – while at the same time increasing performance.



Upgrade and retrofit



**Software and
firmware updates**



Modern hardware

Technical support

In the event of a failure, every minute is costly. That's why SICK offers a worldwide support network to assist you at any time: on the phone, online and on site.



Modular service package



Troubleshooting



Repairs



Remote services



On site deployment



**Expert support
over the phone**

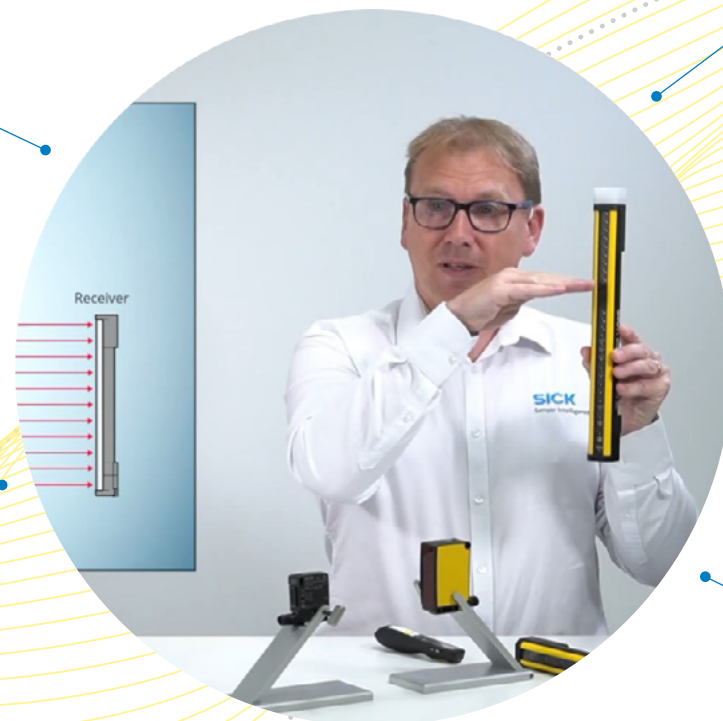
Training

Face-to-face and web-based training

Familiarize yourself, understand, evaluate, and efficiently use different protective and monitoring measures.

In-house and customer-specific training

Knowledge that can be easily transferred and applied directly in practice including individual requirements of the training participants.



From basic knowledge to expert qualification

Step-by-step development of basic knowledge right through to expert qualification with a TÜV certificate on completion possible.



Legal certainty

Teaching of the current state of technology including hands-on lessons supports legal certainty of machine manufacturers.



Comprehensive training material

Expert knowledge supplements the documentation.



Selected highlights

Safety Skill Zone – Packages – Basics

Easy introduction to the topic of machine safety through digital training modules covering the legal and normative background. This is based on the "Six Steps to Safe Machinery" approach supported by additional application packages.

Functional safety: Laws, directives and standards (EU) – Basics

Introduction to the European legislation concerning functional safety, European directives and national legislation, and the significance of the CE marking and type A, type B and type C standards.

Certified Functional Safety Application Expert (CFSAE) / Certified Functional Safety Application Technician (CFSAT)

Training in cooperation with SGS-TÜV Saar – Advanced and Expert Level.

The machine life cycle

From planning to de-commissioning

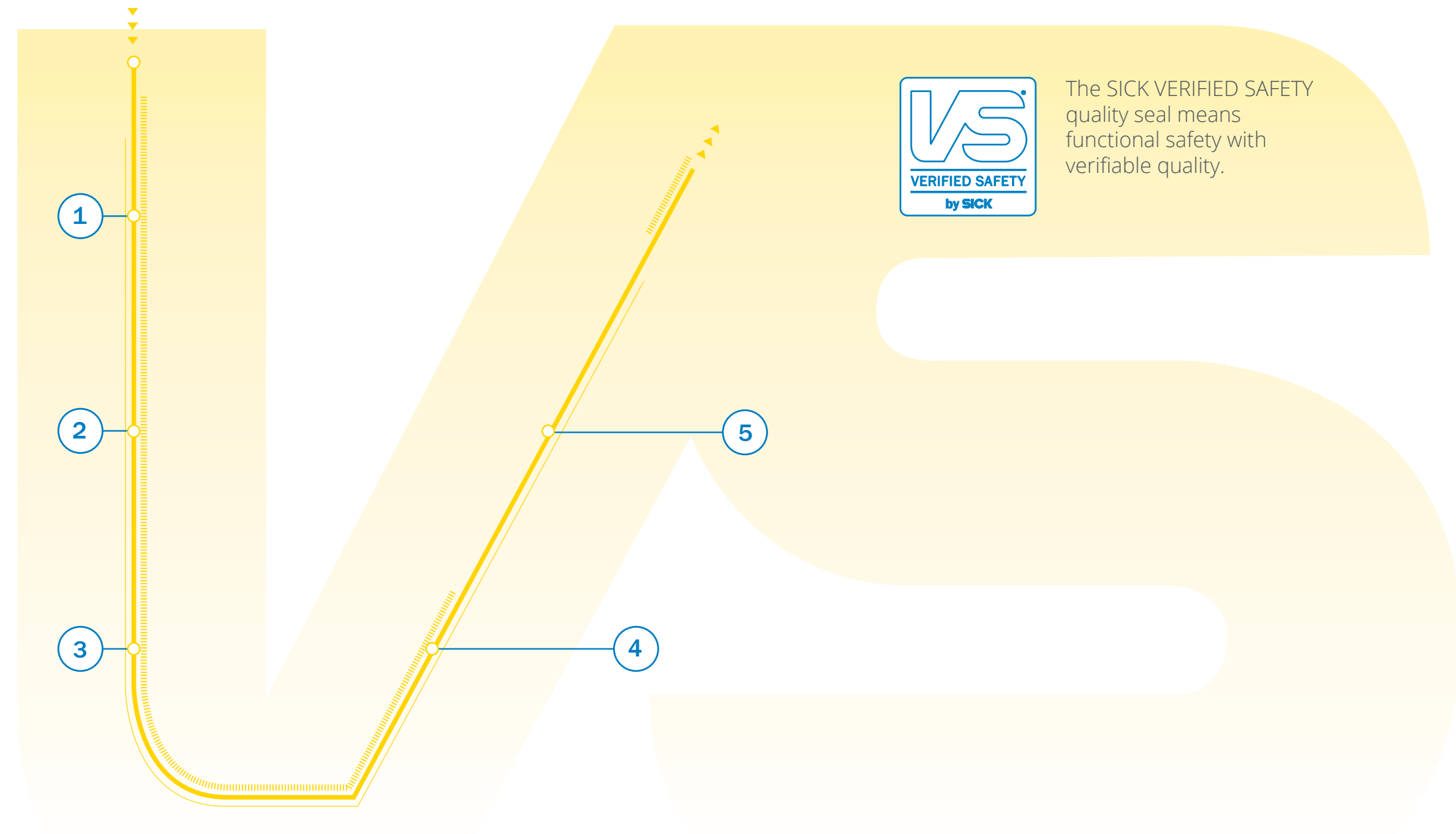
As a manufacturer or operating entity of machines, you are responsible for the safety of your employees in the production area and machine environment. However, the safety aspects can change during the machine life cycle. Each phase presents individual challenges. Find out when what matters.

MACHINE LIFE CYCLE



Safety Services for machine manufacturers

To get a safe machine, you have the choice: Take advantage of the experience and expertise of SICK in all phases or get targeted support for individual steps. The closer the cooperation, the better the safety solution can be integrated into your machine.

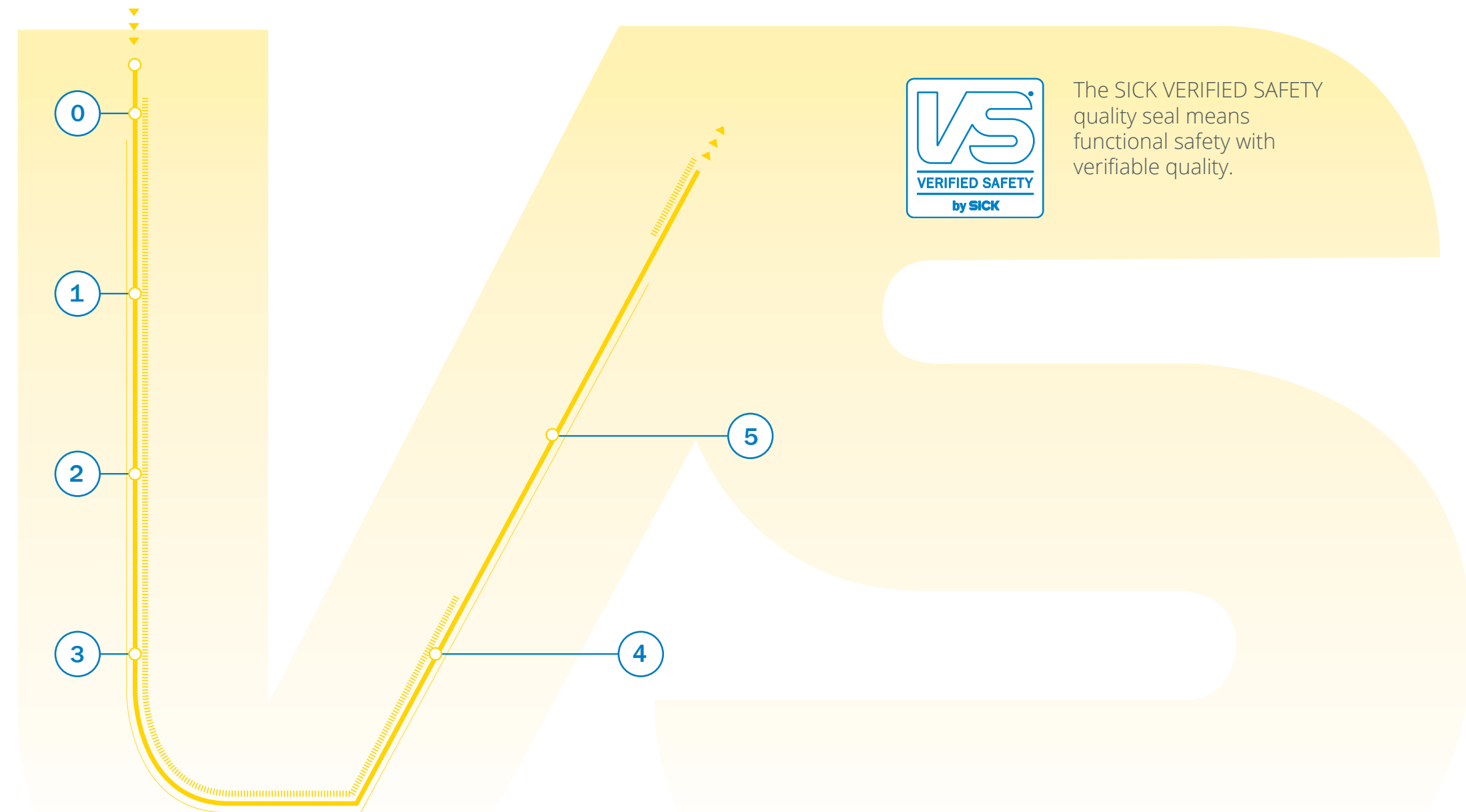


Safety Services for machine operators

Certified safety experts accompany you step by step to obtaining a safe machine with professional project management. Depending on your requirements, the scope of the project can be extended in phases and individually adapted to your needs.

Performance packages

- i Basic (phase 0-1)**
Assessment of machine safety as initial situation
- i Standard (phase 0-2)**
Evaluation of machine safety and proposal of a safety solution
- i Turnkey safety solution (phase 0-5)**
Safety made by SICK



WHY CHOOSE
SICK



Expert partner
worldwide



Further training
with certification



Comprehensive
safety expertise



In-depth application
knowledge



Turnkey safety
solutions



Safety
innovations

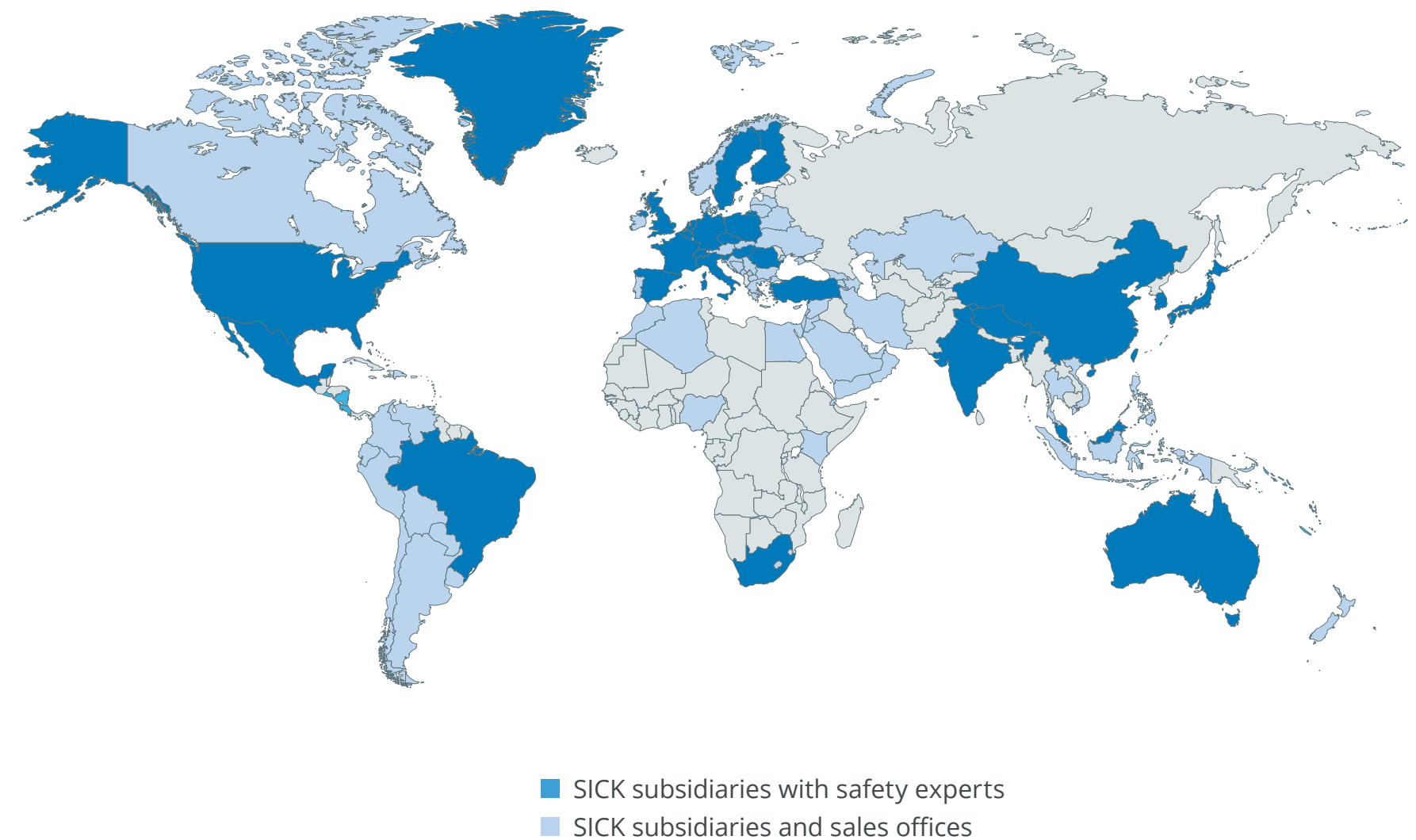


Practical
examples

Safety – on site as well

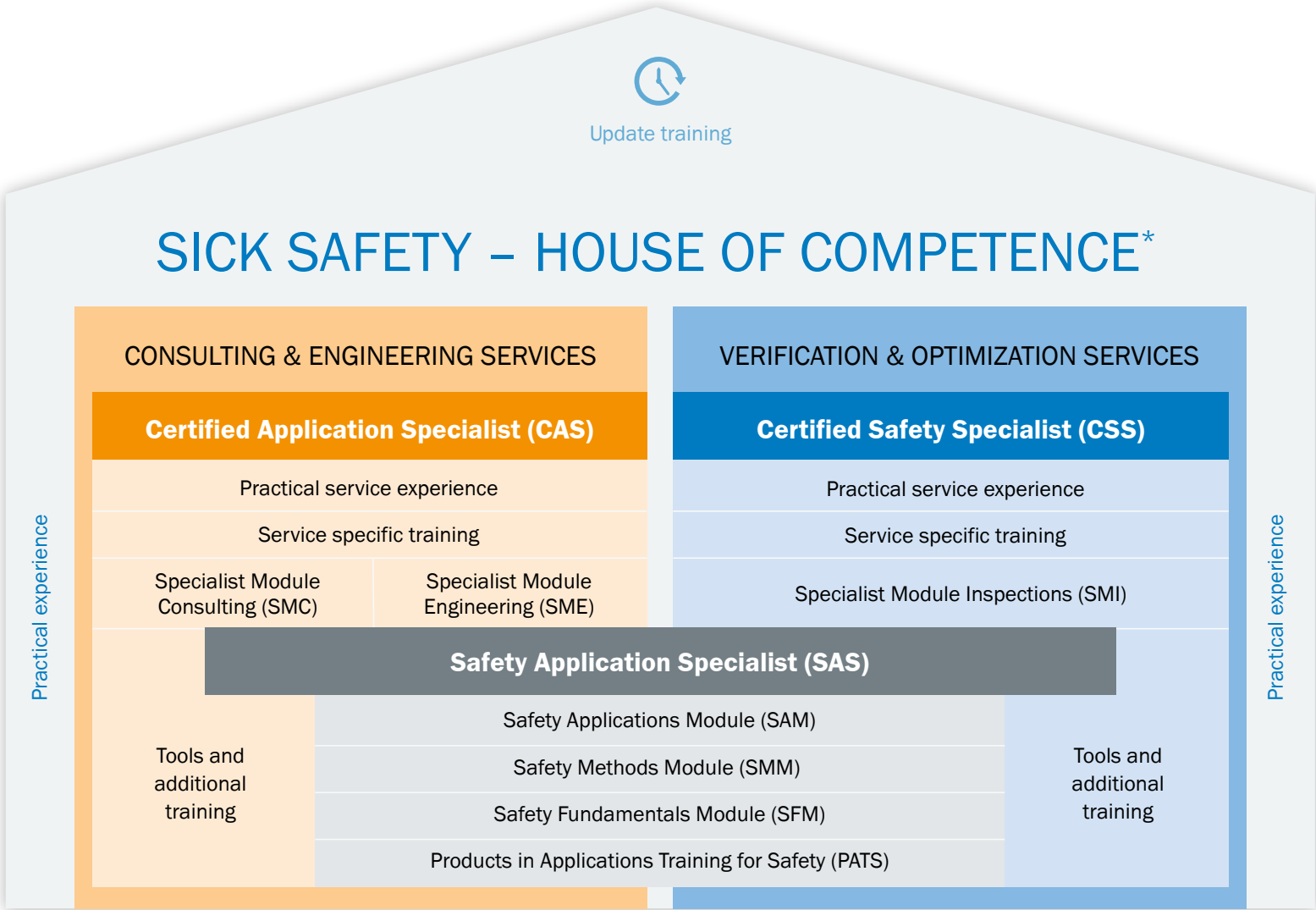
As a leading manufacturer of sensors and sensor solutions for industrial applications, SICK is active worldwide and has an international presence. Today, more than 200 experienced safety experts are organized in a network spanning 80 countries. They enjoy working on future-oriented projects for machine safety and occupational health and safety.

Regional competence centers in Europe, America and Asia support the experts in implementing the projects on site.



Further training with certification

SICK is training its employees to become safety experts in a certificate course on functional safety. Their knowledge is updated and re-certified in regular training sessions. This means that SICK safety experts in Asia, for example, have the same level of knowledge as their colleagues in North America. Wherever the experts are in the world, the SICK competency management team conveys the essential technical knowledge plus country-specific aspects.

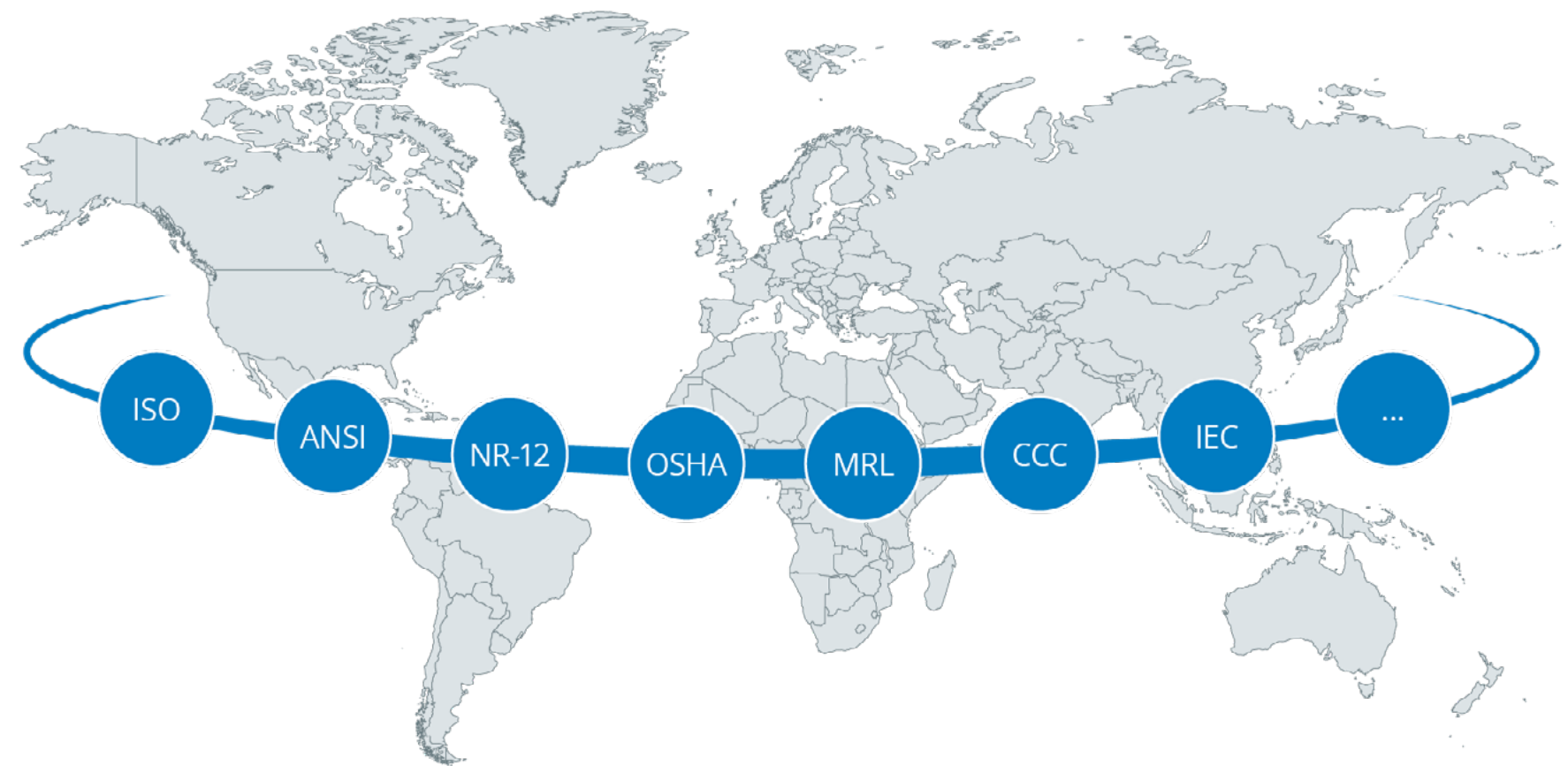


*Simplified representation of the process

At home in the world of standards

With its safety experts, SICK is represented in many important standards and standardization committees worldwide. They support the work of the committees with their specialist knowledge. This means that important innovations can be quickly passed on to the SICK experts on site. We also share this knowledge with you in numerous training courses so you can begin to prepare for upcoming changes at an early stage.

Further information on applicable directives and standards for machine safety can be found in the



In-depth application knowledge for safe and productive machines

As automation advances, the requirements for protecting machines are changing across all sectors. The safety experts at SICK focus on these requirements and possess comprehensive application knowledge.

Discover these fields of application from SICK Safety:



Safe robotics



Safe mobile robots



Outdoor Safety



Dynamic Safety



Safe Material Flow



Safe Motion

Turnkey safety solutions

Safety from planning to acceptance

Everything from a single source

Benefit from a wide selection of hardware components, systems, and software as well as an accompanying full-service offering with consulting and engineering services.

Think globally, act locally

With a global network of certified safety experts, SICK can also assist you on site. Local projects are supported seamlessly and international projects implemented efficiently.



Our expertise for your safety

With over 75 years of experience in functional safety and extensive industry and application knowledge from PL a to PL e, SICK is at your side as a reliable partner and assists you in solving your challenges.



Efficient project management

Experienced SICK project managers support you and ensure the successful implementation of your project. This allows you to keep track of the project scope, schedule and costs.



Tailored and the best fit

Depending on your requirements, the scope of the project can be extended in phases and individually adapted to your needs.

The path to more safety and productivity with SICK

- 1 Risk assessment
- 2 Safety concept
- 3 Safety design
- 4 Installation and commissioning
- 5 Verification and validation



With turnkey safety solutions from SICK, you will not only increase the productivity of your machines: The certified safety experts also support you with an effective project management that follows precisely defined procedures.

Safety innovations

With more than 75 years of experience in functional safety, SICK is one of the most innovative and experienced companies in this field.

Discover these milestones in safety technology:

							
1950	1952	1993	2013	2016	2018	2021	2023
First safety light-beam sensor	Static accident prevention light curtain with hollow mirror, without mirror wheel	First area scanner in safety category 3 for protecting hazardous areas	Cost-saving cascading of safe switches and sensors within one machine	First safety laser scanner with the innovative safeHDDM™ scanning technology	First safety laser scanner for outdoor use	The world's first LiDAR multibeam scanner with safe solid state technology	World's first 3D time-of-flight camera with performance level c

In good hands from the start – examples from practice

**Safety as a service:
from risk assessment to validation
at Eternit**

“Machine safety services from SICK provided us with valuable external safety knowledge and additional expertise for protecting the new system. We put together an individualized service package from the modular range of services that perfectly met our requirements.”

Roman Felbinger, Maintenance Planning, Eternit

**Hazardous area protection for
tire curing presses at Continental**

“We need to make sure that our tire curing machines are truly safe, which is why we need a partner we can rely on to deliver and implement the necessary services and machine acceptance processes throughout the world.”

Timo Kuss, Global Project Manager and Plant Engineering Manager, Continental AG, Germany

**All good? But of course!
Complete safety solutions for
pallet handling**

The goal was to find a general contractor who could manage all the planning, installation and commissioning work from a single source and also handle several projects at one time. SICK’s expertise won them over: As a complete solution provider in the field of logistics, it can give customers functional and sustainable answers to all kinds of questions.

More on the topic