We believe everyone has the right to be safe at work.

KIRK® believes that everyone has the right to be safe at work! To ensure safety, the risk of hazardous energy and or equipment needs to be controlled. Our trapped key interlock safety systems and safety components provide our customers with solutions to control these risks.

KIRK® manufactures more than 70,000 safety components each year for use in a wide range of industries, guaranteeing a sequential pattern of safe operations for isolating energy and safely accessing hazardous areas. KIRK® safety products are designed and configured to each user’s requirements, providing protection from each application and peace of mind for our customers.

We educate customers, design firms, and OEMs on the benefits of our safety systems and work with industrial and safety associations to standardize the use of these systems.

Our products include mechanical interlocks, electro-mechanical interlocks, solenoid key release units, time delay key release units, transfer panels, and smart technology. Proper application of our safety interlock systems guarantees that a sequential pattern is followed for each step of a prescribed sequence.
DESIGNING AN INTERLOCKING SYSTEM

KIRK® has the necessary tools to determine a safety interlock system that meets your specific needs with a quick process.

1. IDENTIFY YOUR HAZARDS – what equipment or areas are hazardous and need to be isolated?

2. RISK ASSESSMENT – can the hazards be avoided and what could the severity of injuries be if hazards cannot be avoided?

3. EVALUATE THE PROCESS – define the flow of operations; identify all full body or partial body access points.

4. DESIGN YOUR SYSTEM – Based on your process evaluation, determine the type of task being performed within your process.

CODING A SAFETY INTERLOCK SYSTEM

The coding of the interlocking system ensures the integrity and safety of the system. KIRK® maintains a history of interlock systems coding for our customers and their end users dating back to the 1940’s. Our records along with the vast combinations of key codes further mitigates risk by ensuring that coding duplication will not occur at a single location or across multiple locations.
The demand for cleaner and more efficient energy generation methods has resulted in changes to both the sources of generation and stricter guidelines in safety regulations. Companies responsible for the transmission and distribution of energy are tasked with finding the most efficient and cost effective solutions during a time when different types of power are being generated from new sources. Continuous and self-generating power capabilities add complexity to the entire safety system.

KIRK® is very experienced in servicing the energy industry with quality products, knowledgeable team members, and reliable safety systems to ensure personnel are following proper operating procedures. KIRK® can respond to the changing needs of the industry with customization of products and services to help our energy customers with a best-fit, sequential safety solution.

- Crane Interlocking
- Precipitators
- Conveyors
- Transformer Interlocking
- CO₂ Extinguishing Systems
- UPS Access
- Generator & Busbar Interlocking

- Maintenance
- Valve Interlocking
- Waste Processing

**GENERATING SEQUENTIAL SAFETY FOR ENERGY SOURCES**

*WIND FARMS*  

*HYDRO-ELECTRIC FACILITIES*  

*SOLAR ENERGY FIELDS*  

*NUCLEAR POWER STATION*  

*SUBSTATION*  

*COAL POWER STATION*  

*GAS POWER STATION*
PRODUCING SAFETY IN INDUSTRIAL APPLICATIONS

The pressure to achieve a higher level of production while maintaining clean health and safety records creates a new challenge in the work place. With already harsh working environments, continuous maintenance on machinery and regular machine failures, ensuring safety processes to protect personnel and equipment is a must.

Process control and risk control is a high-level focus for factories, mining quarries, and production plants. KIRK® trapped key interlock systems help control risk and guard against entry into areas where hazardous energy is present and machine guarding is a necessity. A defined sequence of operations with KIRK® interlock systems ensures a sequential safety process is followed every time, protecting equipment and saving lives.
Manufacturing facilities need to be highly flexible, maintain inventory, and produce their product at increased rates to ensure maximized production runs. This fast-paced and highly-automated environment introduces hazards for both personnel and equipment. Consumers today want every product, with every configuration, and have it instantly available. These demands place an increased focus on manufacturers to ensure they provide a high level of options, the best quality, at the lowest cost. In addition, government regulations require the manufacturing environment is safe for employees and the products meet specific requirements.

KIRK® trapped key interlock systems help control risk and provided guarded access into any area where hazardous energy is present and/or machine guarding is a necessity. A defined sequence of operations with a KIRK® interlock system ensures safety processes are followed in a specific order, every time, protecting equipment and saving lives.
MIXERS

PALLETIZER / PACKAGING

PROCESSING

STORAGE

LOADING / UNLOADING

PALLETIZER / PACKAGING
TRANSPORTATION

Technology continues to drive increased productivity and efficiencies within warehousing and distribution. New technologies and automated equipment introduce new risks to the already existing hazards of shipping and receiving loading docks, palletizers, conveyors, and packaging equipment.

KIRK® trapped key interlock systems guard against entry into hazardous areas, guarding machines, and ensuring power isolation where hazardous energy is present. Loading docks can be safe guarded with the Salvo™ Loading Dock safety systems, ensuring a sequential safety process is followed, preventing drive-aways and eliminating human errors.

DRIVING TECHNOLOGY FOR SAFER LOADING / UNLOADING

Loading / Unloading

Rail Yard

Palletizer / Packaging

Shipping Port

Tanker Loading / Unloading

Maintenance / Switchgear
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THE FUTURE OF INTERLOCK SAFETY

The focus on controlling risk and providing safety solutions serves as our foundation for over 80 years. The continued demand for improved safety measures for the protection of people and the mitigation of loss is the platform for which KIRK® provides industrial safety solutions from the KIRK® and Castell brands of safety interlocks as well as the Salvo™ loading dock safety systems. This collaboration of brands allows KIRK® to offer our customers:

- Expert knowledge of all industrial safety solutions
- Sustained product quality and customer service
- An optimum product line for a best fit safety solution
- Integrated Technology – safety solutions for today’s information driven environment

The demand for safety systems with integrated technology comes from all industrial environments. The Man vs. Time component is ever present; driving increased demand, continuous production, and shortened lead times. All the while, ensuring greater efficiencies, producing cost savings, and providing information for monitoring and tracking production. These integrated technology systems provide vital information and enable real time decisions to be implemented for improving safety and efficiencies across the businesses.

KIRK® embraces this movement into integrated technology and is working to meet the demands of our customers. We look forward to a future of interlock safety with integrated technology and the opportunity to continuously improve safety for our customers.

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