



# AMERICAN CONTROL & ENGINEERING SERVICE, INC.

14433 SW 150<sup>th</sup> , Rose Hill, KS 67133

Phone: 316-776-7500 | Fax: 316-776-7502

E-mail: [office@theacesinc.com](mailto:office@theacesinc.com) | <http://theacesinc.com>



## The ACES, Inc.

**WE DESIGN, BUILD, INSTALL AND REPAIR ALL TYPES OF CONTROL SYSTEMS.**



From design to preventive maintenance and repair, [American Control and Engineering Service \(ACES\)](#) is one of the few companies in the Wichita area qualified to both analyze and repair today's demanding control systems.



**Honeywell**

National aerospace customers such as Boeing and Spirit Aerosystems trust us to develop their PLC and electrical logic to human interface solutions. And calibrate, repair and maintain their pyrometric systems to the highest national safety standards. (NADCAP oven calibrations)

**FactoryTalk**

**YASKAWA**

Authorized Service Provider

In an industry of specialization, ACES is known for their broad range of knowledge as a result of servicing control systems across a variety of industries. Including industrial ovens and furnaces, freezers and coolers, municipal water plants, waste water treatment facilities, meat packing and food processing and high speed production oil fields.



508A, 698



Our exposure to ideas from diverse industries allows us to solve problems no one else can, many of which are corrections to brand new installations.

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Trust our metrology capability to keep your equipment and machines running smoothly. You can rely on our commitment to be on the cutting edge of developments in design and production to lead you into the future.

ACES Founder & Owner, [Ross Lumbert](#) has a Master's degree in Electrical Engineering, and is a licensed Master Electrician with 30 years experience in the controls business. Ross, along with ACES's talented team of engineers, technicians, and programmers will use a collaborative approach to meet your control system needs.

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### Top 5 Safety Equipment Your Employees Need

The following equipment keeps your workplace free from accidents and the members of your organization safe :

#### 1. Smoke Detectors

- Smoke detectors provide the first line of defense in case of fire. These, when activated through smoke, will signal the fire alarm system to kick in.
- Smoke detectors don't cost much. You can get these for as low as \$7 per piece and save yourself a lot of loss and troubles in return. Install these little functional gadgets on every floor of your office or establishment to ensure that every section of your company is protected against damaging fires.
- Pay particular attention to the installation and regular testing of smoke detectors in the workplace. Regularly check the smoke detectors to guarantee that they are working properly.



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#### 2. Fire Extinguishers

- Fire extinguishers are critical safety components in any workplace area. While most fire extinguishers remain unused for many years, these can potentially save properties and lives.
- Fire extinguishers should be installed on every floor of the establishment, including the kitchen, storage, area, basement, parking lot, lobby, and others in areas where they are visible and accessible. There are several different kinds of fire extinguisher, so be sure to pick the right one for a particular area. Class A extinguishers are meant to put out fires involving ordinary combustibles. Class B extinguishers are made for flammable liquids such as kerosene and oils. And, Class C extinguishers are made to put out fires that involve electrical wires.
- It is very important that you always have the fire extinguishers checked for their expiration dates. You don't want to compromise the safety of your employees and equipment because of an expired extinguisher. Most of these products are only good for one year so be sure to have them replaced regularly.



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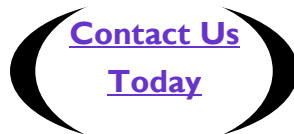
### Top 5 Safety Equipment Your Employees Need

#### What Your Employees Need To Know About Fire Extinguishers

1. Know where fire extinguishers are located within and without your facility on a map.
2. Know what a fire extinguishers sign looks like to easily locate.
3. Know how to use a fire extinguisher PASS (Pull, Aim, Squeeze, and Sweep)
4. Know your fire extinguisher code labels.
5. Know what a good fire extinguisher gauge looks like by testing them regularly.



<b>A</b>	Paper, Wood, Plastics, Fabric, Rubber, Trash	
<b>B</b>	Gasoline, Oil, Grease, Some Paints and Solvents	
<b>C</b>	Energized Electrical Equipment, Appliances, Computers, Circuit Breakers, Wiring	



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#### 3. First Aid and Emergency Kits

- Never underestimate the value of simple safety tools like emergency kits and first aid kits. These can save people who are in danger, and sometimes, even lives.
- Always store antibiotics, antibiotic ointment, cold packs, adhesive tapes, bandages, scissors, eye wash, antibacterial hand cleaner, disinfectant, and flashlight in areas where they can be easily accessed. Also, store over-the-counter medications like paracetamol and pain relievers that are commonly administered to patients of headache, dizziness, and ordinary pain.
- If there are employees in your organization who have been diagnosed with particular conditions, it is not a bad idea to store patient-specific medications. Also, keep additional supplies of water, warning tape, blankets, and yellow cones in accident-prone areas.
- Keep in mind that first aid kits are not to be locked. These should be regularly monitored for expiration date and availability, but should always be available.



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### Top 5 Safety Equipment Your Employees Need

#### 4. Emergency Lighting Equipment

- Glow sticks, flashlights, and other emergency lighting tools should always be stocked in the workplace. These are recommended to be stored in exit points in the workplace.



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#### 5. Material Safety Data Sheets

- MSDSs should be available at all times in the workplace. These contain relevant information about how to respond on common scenarios that affect the safety of people in the workplace.



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### BONUS

## Workplace Safety - How To Reduce Risk

In spite of continuing programs regarding work safety practices, deaths that occur in the workplace remains high. In the United States alone, an average of 15 work-related deaths happen every day. Very high considering that the US is one of the most safety focused country in the world especially when it comes to practices in the workplace. In other parts of the world especially in the developing countries, the statistics are much higher.

What necessary steps can a company take in order to drastically reduce or totally eliminate workplace risk? The answer is to change your poor performance in these top 5 issues to perfect performance. Poor performance = cost \$, perfect performance = produces \$.

There are grey areas in workplace safety. The fault could sometimes be due to managerial practices, sometimes it is the fault of the worker and sometimes both. No matter, it is always the responsibility of the top management to ensure that workplace safety procedures are ensured, implemented, and understood. It is little comfort that over the year's fatalities and work related accidents have been declining because accidents could be prevented if workplace safety is a little more aggressively implemented.



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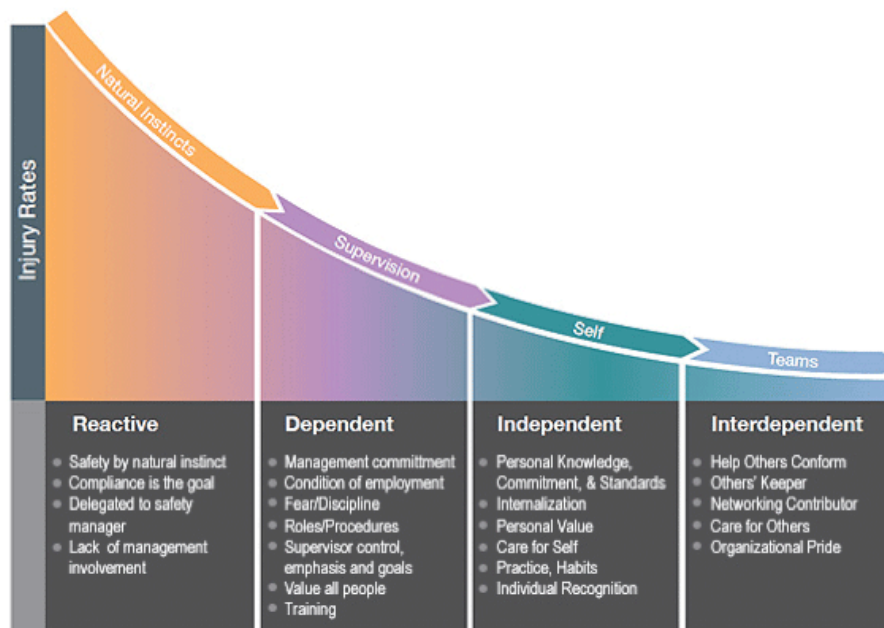
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### Top 5 Issues:

1. **Poor Training** - Despite the rigorous guidelines and safety measures adopted by many companies safety policies are not adequately communicated to the employees. If it does, there are too many variables to preventing disasters that are ignored. Not spotting a potential accident from happening, failure to identify potential hazards, ignoring safety rules, ignorance and sometimes, plain indifference are among the largest contributors. Pressures and deadlines further complicate this where supposedly minor risks are taken.
2. **Poor Communication** - Training is about informing people on methods at doing a task effectively, efficiently, safely. There are many occasions though that those due to costs, middle management, and supervisors are the personnel that are trained to train the rank and file. There is nothing wrong with the approach. It is, in fact, the most popular. The link is weakened though when the supervisor is not an effective communicator. Complicating this is the trend today to hire temporary workers even when there is a language barrier. As an example, foreign workers are three times more likely to be involved in a fatal workplace accident that those who are native to the area.
3. **Poor Supervision** - A number of accidents are caused by assigning an employee to perform a task for which the employee is not trained to do or has a poor understanding of the risks involved in doing the job.

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#### Top 5 Issues:

4. **Poor Safety Policies** – While safety policies are in place, this do not address poor and insufficient staffing and scheduling issues aside from policies that are impractical and unworkable. Add to this is the practice of hiring or allowing the elderly to work in areas that are hazardous even to younger men.
5. **Poor Worksite Organization** – Many times, the accidents happening in the workplace are not the fault of a single person but a combination of factors. Poor organization, unsafe work practices, unsafe work environment, the desire to reach the quota, target or to meet the schedule. People are assigned around, sometimes they are found in places where they do not belong, equipment getting in the way including a not well thought off people traffic.



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