



## ADVANCED SAFETY AND ENERGY: MACHINE SAFETY SERVICES

At Advanced Safety and Energy, we are a market leader in machine safety services. From risk assessment, to fabrication and installation, we can keep your team safe and your safety goals on budget. Our team of engineers and technicians are experts at implementing the best solution for your equipment no matter the need or location. We use the best components & can modify and improve existing systems and tools.



### SAFETY SERVICES

1. Team-based risk assessments
2. Safety system validations
3. Machine compliance audits
4. LOTO/alternatives
5. Safety engineering/design



### MACHINE GUARDING

1. Steel, aluminum, stainless guards
2. Swing, sliding, lift, no header gates
3. Heavy duty, pit cover guards
4. Panel/post system for easy field work



### SAFETY CONTROLS

1. Presence sensing (light curtains, scanners, radar)
2. Gate interlocks (locking and non-locking)
3. Safety PLC and programming
4. Enabling devices (wireless and wired)



### EMERGENCY STOPS

1. Illuminated or non-illuminated
2. All rated Category 3 or 4 & NFPA 79 compliant
3. Double acknowledgment (DA) Systems
4. Supervisory control systems
5. Trapped Key Systems



### PNEUMATIC AND HYDRAULIC SAFETY VALVES

1. Dual pneumatic or hydraulic safety valve assemblies
2. Series manifold (alum. or steel), spool monitored
3. Illuminated DIN connectors
4. Unique tapping plates to minimize costs & downtime
5. Self-monitored category 3 or external monitoring switch for category 4