

What Is A Hazard?

According to OSHA, “A hazard is the potential for harm.” For the worker(s), a hazard is a thing or activity that can cause serious injury, illness, or death. OSHA categorizes the following workplace hazards as follows:

Identifiable Hazards

- Ergonomic:** Forceful, repetitive or awkward movements, lifting or reaching.
- Physical:** Slippery or missing steps, heavy unstable objects, overexertion.
- Psychological:** Stressful, dangerous or discomfort situations, inability to help.

Hierarchy of Controls

- Engineering**
- Administrative**
- Personal Protective Equipment**

Hazard Analysis Typical Job

A worker loads equipment and cargo into a pickup truck or van at one destination and unloads those materials at another destination. The same series of tasks are repeated at the end of the day to return the cargo and equipment. **Conditions:** Drizzly, 85 degrees. **Time:** 7am to 4pm.

<u>Tasks</u>	<u>Situation/Environment</u>	<u>Identifiable Hazards</u> <i>(Ergonomic, Physical, Psychological?)</i>	<u>Controls</u>
<ul style="list-style-type: none"> • Worker(s) load equipment and cargo into pickup bed. • Drives to destination. • Unloads materials and or tools. • Loads and unloads equipment in pickup truck at the end of the day. 	<ul style="list-style-type: none"> • Climbing into and out of truck to load and secure loads. Additional worker(s) help in the loading task. • Driving conditions: wet. • Job-site conditions: Humid, drizzly, high heat index day. • Worker(s) are fatigued and in a hurry to go home. 	<ul style="list-style-type: none"> • Lifting, reaching, falling, stressful, dangerous situations, risk of injury all increase with additional personnel. • Collision, breakdown, poor visibility, fear, being isolated. • Forceful, repetitive or awkward movements, slippery surfaces. • Lifting, reaching, falling, stressful, dangerous situations, risk of injury all increase with additional personnel. 	<p>A. Elimination or substitution. B. Safe work practices/policy. C. Personal protective equipment. D. Prioritize. Who will do what when?</p> <p>A. Use mechanical lifting aid. B. Use proper lifting techniques and training. C. Use hard hat, gloves, glasses, shoes with non-slip soles. D. Plan your day.</p> <p>A. Wait for a better day. B. Know your route, have cell phone, avoid speeding, drive defensively, C. Buckle up. D. Know what is normal.</p> <p>A. Use mechanical lifting aid. B. Take rest break. C. Wear personal protective gear. D. Break jobs into simple tasks.</p> <p>A. Use mechanical lifting aid. B. Be deliberate, lift safely. C. Use personal protective equipment. D. Check equipment for the next day use.</p>

The Robotic1400™ is a loss prevention tool/mechanical lifting aid that can eliminate or significantly reduce all of the above hazards.

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