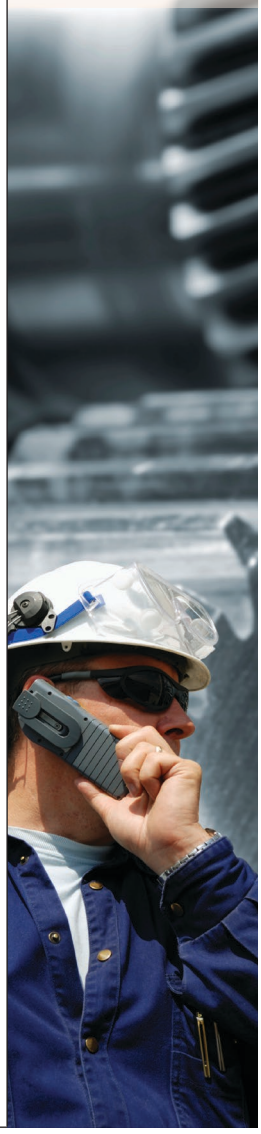
HORIZON SOLUTIONS

NEW AUTOMATION AND MACHINE-GUARDING CAPABILITIES REDUCE WORKPLACE INJURIES

Manufacturing safeguards are essential for protecting workers from preventable injuries.

Case Study



Client

This client is an industry leader in valve and hydrant manufacturing and has complex machinery used for a variety of metalworking processes. They work with ductile iron pipe materials and typical foundry work includes pouring molten metals as well sand molded casting. Other downstream processes include drilling, tapping, and milling.

Opportunity

OSHA requires manufacturing facilities to complete machine safety risk assessments. These risk assessments are intended to proactively discover potential hazards and to develop proposed recommendations to manage the hazards. The client had internally stated goals and standards to improve machine safety and compliance but had minimal internal capabilities to complete this requirement. The initial opportunity included a review of three machines.

Solution

Our Safety Specialists developed a detailed machine safety risk assessment that identified potential hazards, along with references to the applicable safety standards documentation. It was determined the three machines in question were deemed to be the highest priority. The documented assessment provided a clear plan for immediate action to improve safety at and around each machine, as well as recommendations for further improvements including mechanical changes, electrical safety devices changes, and machine signage. The documented assessment included pictures of the physical plant and machinery, as well as a list of each machine operator and other involved personnel. This deliverable was presented to the client's internal safety team with clear instructions on risk, costs, hazards, options, and steps to move forward. Our Safety Specialists continue to provide ongoing guidance that augments the client's safety division, facilities team, and overall safety program.

Benefit

The client was able to improve safety by working with our team of vertical Safety Specialists to cover many aspects of the safety hazards involved in their processes, including raw-material movement, high-temperature foundry processes, and downstream machining operations. The safety improvements and upgrades provided had no impact on production and made the manufacturing environment safer. The client was able to reduce personal injury risks and realize savings on workers' compensation insurance.