

# REDUCING WORKPLACE INJURIES

A manufacturer protects its employees with safeguards and automation.

## Client

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

## Opportunity

OSHA requires manufacturing facilities to complete machine safety risk assessments to uncover potential hazards and develop proposed recommendations to manage them. The client had internally stated goals and standards to improve machine safety and compliance but had minimal internal capabilities to meet OSHA's requirements. They turned to Horizon Solutions™ for help.

## Solution

Our Safety Specialists developed a detailed machine safety risk assessment that identified potential hazards, including references to the applicable safety standards documentation. We determined three machines were 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 assessment included pictures of the physical plant and machinery and 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 augment 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 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 did not impact production and made the manufacturing environment safer. The client was able to reduce personal injury risks and realize savings on workers' compensation insurance.

