# CONNECTED AI SOLUTION TO INCREASE FORKLIFT SAFETY AND PRODUCTIVITY

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In industrial environments, combining workplace safety and efficient operations is a well-known challenge, especially for machinery that operates close to pedestrian workers. In the United States, 11% of forklifts are involved in an accident each year[1]. In 2022, related injuries required a median of 18 days off work for the victims[2]. As logistic activities grow in the industry, it is essential to streamline daily operations while reducing risk.

Since 2009, Blaxtair has demonstrated that well-designed AI combined with data management is the most consistent approach to tackling this challenge. Our intelligent embedded systems were the first to detect the presence of pedestrians around industrial vehicles with the highest level of accuracy. Most importantly, they were developed to be seamlessly integrated into driving operations, ensuring maximum continuity.

This breakthrough has brought significant progress onsite. Moving forward, managers need measurable outcomes. To support this, we developed the first IoT-connected data management system, enabling real-time monitoring and proactive management of safety at both the site and company levels.

AI will continue to grow. Today, with the new generation of the Blaxtair platform, our technologies reach another level. Blaxtair not only detects pedestrians but assesses their risk, further reducing the rate of unnecessary alarms.

Blaxtair now offers a range of state-of-the-art intelligent solutions to address the needs throughout the forklift journey: OSHA pre-start checklist; pedestrian, vehicle, and obstacle detection; automatic speed limitation in predefined zones; shock detection; and live incident recording.

At Blaxtair, we understand the potential of AI and what it takes to meet practical needs in the field. With this mindset, we remain committed to delivering the best possible technologies that benefit site managers and the industrial workforce.

*1 OSHA, Boston Regional Notice, 2018, p.5, www.osha.gov/sites/default/files/enforcement/directives/CPL_04-00-023F.pdf*

*2 National Safety Council, https://injuryfacts.nsc.org/work/safety-topics/forklifts/*


GAYRAUD

# SECURING GOODS AND SAFEGUARDING DOCK OPERATORS

PASCAL JETTÉ, VICE PRESIDENT BUSINESS DEVELOPMENT, GMR SAFETY

Employee safety is a cornerstone of corporate responsibility because it reflects trust and commitment to their employee's well-being. For companies, prioritizing safety not only demonstrates care for their workforce but also serves as a strategic advantage by enhancing employee retention and reducing accident-related costs by millions annually.

GMR Safety recognizes the critical importance of securing loading areas because they are among the most active and hazardous zones in any facility. These areas account for over a quarter of warehouse accidents, and that's why it has become the go-to source in providing safety solutions tailored to customers' needs.

GMR Safety's wheel-based trailer restraint systems come in both automated and manual configurations. The automated option is the Power Chock AUTO, while the manual options include the Power Chock 3, Power Chock 5, and the Power Chock Hybrid. All models are designed to be cost-effective, user-friendly, and highly reliable. By implementing the right restraint system, companies can tackle risks such as early truck departures, forklift accidents, personnel falls, and other tragedies.

The Power Chock represents innovation in safety. This system combines a durable steel chock, a ground-mounted restraining plate, and an advanced control box equipped with audiovisual communication tools like signal lights and alarms. Its simplicity and efficiency make it a trusted solution for securing the widest range of transshipment vehicles.

Understanding the diverse needs of industries worldwide, GMR Safety offers the Power Chock in multiple models to accommodate varying climates, dock configurations, and operational demands. Whether a company operates in food and beverage, pharmaceuticals, construction, automotive, e-commerce, or other sectors, the systems provide scalable solutions. Installation process is quick and hassle-free, allowing operations to continue smoothly – something customers consistently appreciate and highlight.


JETTÉ

# BE PROACTIVE AND PROTECT YOUR EMPLOYEES

VANCE VICENTE, SENIOR BUSINESS DEVELOPMENT, LOADING DOCK SYSTEMS

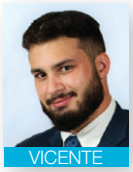
Virtually all innovations related to dock and trailer safety have emerged in response to fatal accidents – such as the implementation of ICC bars on trailers, vehicle restraints, and light communication systems. Unfortunately, many companies follow the same pattern, waiting for an accident or near-miss on their loading docks before implementing a solution. This reaction often comes only after realizing how costly an injury can be. Why make the same mistake?

The average cost of a medically-consulted worker injury is approximately $41,000. If the accident results in a worker's death, this average soars to $1.19 million, not accounting for the potential negative impact a fatality can have on your brand image and employee morale. Here are two ways you can prevent these accidents while also improving the efficiency of your operation:

***1.) Install Vehicle Restraints.*** Installing push-button vehicle restraints, such as a TPR or TPR-UniLock, can help prevent accidents at your loading docks. These systems secure the trailer from excessive movement by using an electrically operated hook to grasp the trailer's ICC bar when it is backed into the dock. If you have other powered equipment at your docks, we can interlock their operations. For example, the vehicle restraint needs to be engaged before the door is opened or the leveler is deployed.

***2.) Dock and Yard Management Software.*** Dock management software is an effective way to ensure your warehouse employees are utilizing vehicle restraints on every trailer being loaded or unloaded. Solutions like myQ Enterprise generate safety reports and can notify supervisors via text, email, or Teams message if any faults occur during a dock session or if a restraint is bypassed.

If you do not have at least one of these solutions in place, consider the well-being of your employees and the overall efficiency of your operations.


VICENTE

*Sources: Safeopedia, ISHN, BLS, NASI, Global Industrial, National Safety Council*