

**/strata protect**



**Proximity Detection & Collision Avoidance  
for Ports and Intermodal Freight**



**HAZARD AVERT®**

# HazardAvert Protects More Than 20,000 People Every Day.



HAZARD **AVERT**®

## Proximity Detection & Collision Avoidance for Ports and Intermodal Freight

StrataPROTECT HazardAvert® is ideal for any industry where people and mobile equipment work in close proximity. It provides automatic hazard detection and warning alarms to prevent unintentional contact or collisions involving equipment, people, and stationary objects. It is a technology built for rugged and highly mobile industrial environments.

Strata Worldwide has deployed over 2000 systems globally and protects more than 20,000 people per day with HazardAvert.

### HazardAvert includes Intervention Controls:

HazardAvert technology has the ability to automatically take action in order to prevent accidents, without requiring operator intervention.

### HazardAvert promotes Operator Awareness:

HazardAvert enhances the operator's ability to see and understand potential hazards in close vicinity before an incident occurs.

### HazardAvert promotes Worker Awareness:

By proactively alerting personnel to potential surrounding dangers, safety awareness is heightened and working behaviors are modified.

## WARNING & HAZARD ZONES

HazardAvert is an electromagnetic detection technology that creates safety zones around equipment, highlighting areas that may be potentially dangerous for people and/or vehicles to be positioned. When zones are breached, audible and visual warning alarms alert all parties involved simultaneously.

### Proximity Detection

Personnel wear a Personal Alarm Device, or PAD, to detect the safety zones and trigger alarms.

### Collision Avoidance

Incorporated into the field generators are Vehicle Alarm Devices, or VADs. VADs provide equipment-to-equipment detection and alerts. Operators of equipment outfitted with HazardAvert will receive audible and visual warning alerts when safety zones are breached.

## ELECTROMAGNETIC SAFETY FEATURES

- Safety zones not obscured by barriers such as walls, rocks, structures and containers.
- Safety zones are unaffected by visibility and inclement weather
- No multi-path propagation

## EVENT MONITORING AND DATA ANALYTICS

HazardAvert provides real-time collection of critical data points and events. This data can be used for activity and safety report generation which assist in:

- Personnel safety practices
- Machine tracking
- Understanding traffic patterns
- Modifying safety protocols and traffic management
- Machine and productivity reporting



### Geofencing

Geofencing creates a "contained" or "no-go" area for machinery. The geofenced parameters can be easily customized based on the application. If the geofenced area is breached, audible and visual alarms alert machine operators, as well as control room personnel in real-time. The system can also be configured to interlock with machinery for automatic slowing and/or stopping.

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