

PreView® Radar Case Study

IDAHO CONCRETE, A DIVISION OF OLDCASTLE

proudly developed by

PRECO
ELECTRONICS

- ▶ Increased Safety
- ▶ Reduced blind spot accidents
- ▶ Reduced Noise

Working on an aggregate site like Idaho Concrete Company (ICCO), a division of Oldcastle, machines, vehicles, and pedestrians work in close proximity. There are often homes nearby. The mixture of these elements can result in a loud environment where backup alarms become less effective and intrusive to the surrounding neighbors. Because of Oldcastle's corporate commitment to eliminating hazards and improving operations, ICCO contacted Preco Electronics, Inc.™.

The first priority was reducing blind spot accidents. Studies show that more than half the accidents at a construction site are due to blind spots. The second priority was increasing the effectiveness of backup alarms and reducing the noise levels for the surrounding neighbors within OSHA guidelines. Finally, ICCO is a business, so protecting the bottom line was essential. The financial toll of an accident includes downtime, repair costs, penalties, and potentially years of litigation. Of course, this pales in comparison to the pain and suffering of a co-worker or his family when there is an injury or loss of life.

The solution was PreView® Safety Alert System (PreView SAS). PreView SAS detects objects in the drivers blind spot, then warns the driver of the object through an in-cab audible and visual alert. The back-up alarm then increases in tone to warn those outside the vehicle they are in danger. The change in tone gets the attention of those surrounding the vehicle and keeps the site noise levels down by only activating the increased tone when an object is detected.

Since installing their first PreView SAS system on a wheel loader with great success, ICCO has continued to integrate this system throughout their fleet and expanded it to their concrete trucks.



The Challenge:

- Increase Site Safety
- Reduce Noise Levels

The Solution:

- PreView® Safety Alert System (SAS)
- When an object is in the detection area, PreView's in-cab display notifies the driver. Using can bus technology, the PreView sensor increases the volume of the backup alarm to notify those outside the vehicle that they are in danger.

PreView is flexible and tough enough to operate in our work environment and adapts to our varying fleet of vehicles and equipment.

—Kirk Ellingford, Production Manager ICCO

The Result:

- Safer work site
- Effective alert system
- Reduced backing accidents
- Decreased noise levels
- Improved community relationships.



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OLDCASTLE CASE STUDY

BACKED BY PRECO ELECTRONICS, THE SAFETY LEADER SINCE 1947

PREVIEW SAFETY ALERT SYSTEM: AN INTEGRATED SOLUTION



An integrated solution

Because ICCO needed to solve three distinct issues: noise reduction, reduction of blind spot accidents, and different blind spot areas for each machine, our experts suggested PreView SAS.

PreView Sensors are designed to detect moving and stationary objects in blind spots to significantly reduce accidents. PreView consists of three simple components: 1) external sensor; 2) in-cab display to provide visual and audible notification to the operator; and 3) cable system to connect the sensor and display. Coverage area for ICCO was set at 20' per their specific needs.

This solved their safety issue. In order to solve the issue with the noise levels, PreView SAS was set up to control the sound level of the back up alarm.

When the sensor did not detect an object in the blind spot area, the back up alarm was active, but the volume was set at only slightly higher than the ambient noise. Once an object was detected, PreView SAS increased the sound level of the alarm to notify those outside of the vehicle of the reversing movement of the vehicle, while notifying the operator in the cab. The result was a reduction in noise level when there was no danger.

Rugged

PreView sensors were 100% effective even with dirt, dust, mud, snow, fog, and the other extreme conditions common at any concrete site.

It Just Works

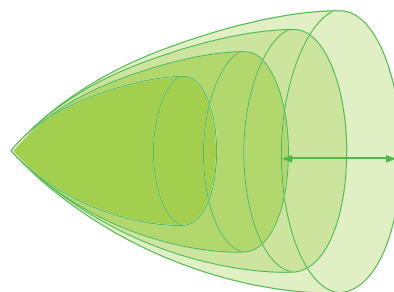
ICCO saw for themselves that PreView Radar “just works” during their pilot project. Because of these solid results, they have continued to integrate PreView throughout their fleet. Find out for yourself how PreView can help your company, and start your pilot project today.

Getting Started

Determine your biggest blind spot areas

Contact our experts to determine the best solution for your specific environment and vehicle

Install your trial sensor and increase your site safety immediately



↑ ↑ ↑ ↑ ↑
Detection ranges vary by sensor.
Audible & Visual LEDs provide
proximity ranging information

Please visit our web site at
www.aps-supply.com
call 08 9248 4419 or email
sales.apsa@aps-supply.com
to start your pilot project today.