

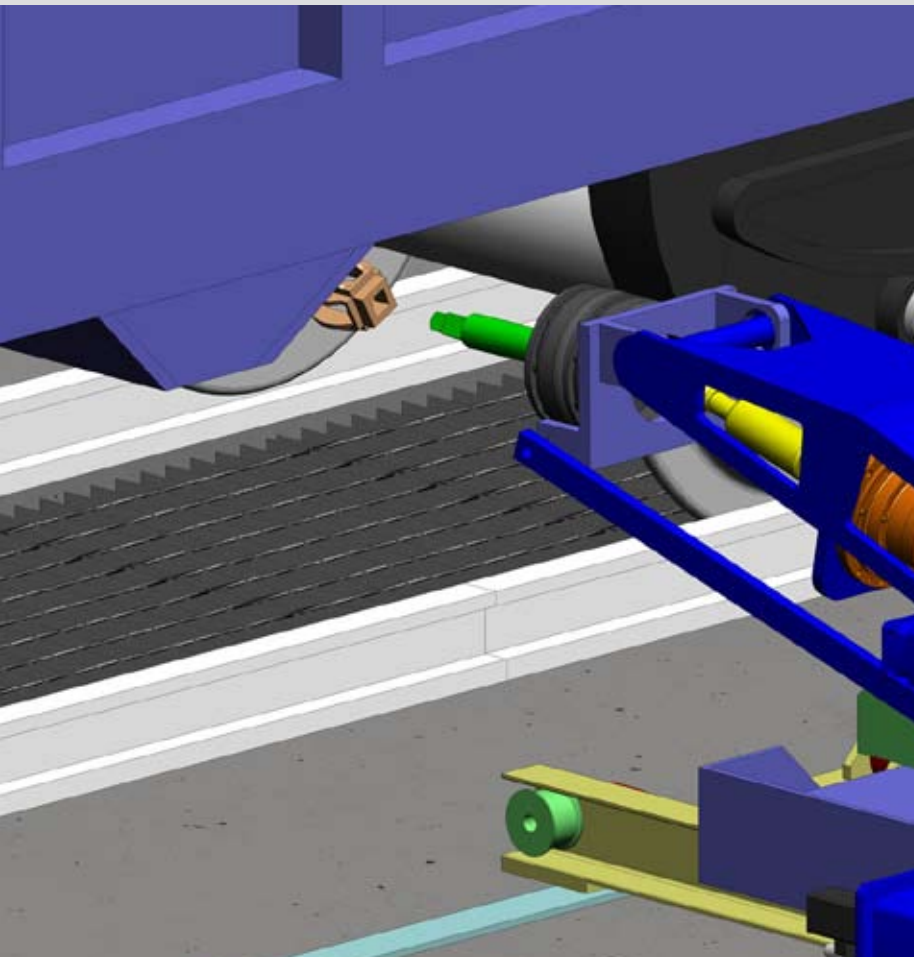


## RailHawk

Introducing the first fully automated railcar unloading system, RailHawk. The RailHawk system is designed to automatically detect, track, open and close each railcar through the unloading process.



The Industry's **first** fully Automated Car Door Opener.

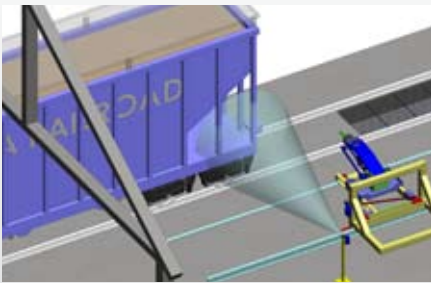


### HIGHLIGHTS:

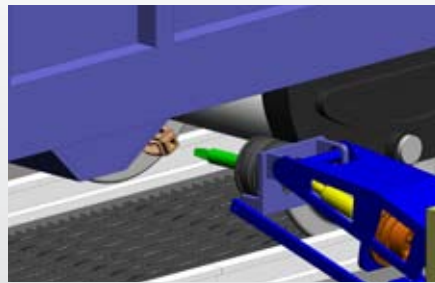
Designed to work on stationary cars, cars in motion, coupled or uncoupled cars, the fully-automated unloading cycle is faster and safer than if done by hand, with far less risk and labor for the operator.

Designed for Class II, Division 2, Group G, environments

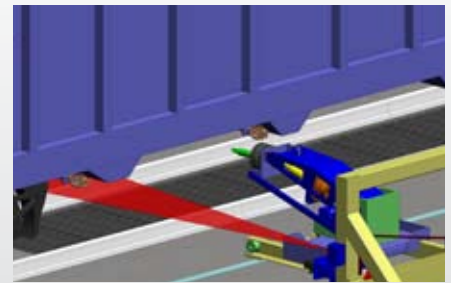
Integrated with automated indexers/progressers to optimize the flow of cars through the pit.



**A laser at the infeed automatically scans each railcar as it comes into the pit.**



**When the capstans are detected, the RailHawk zips into position to open each gate.**



**The system detects when grain flow stops & unloading is complete. The RailHawk is then automatically dispatched to close each gate.**

The RailHawk system is designed to scan the pit infeed as cars are indexed in. Advanced algorithms are used to identify capstans that pass by. When a capstan is detected, its orientation is recorded and its position is tracked through the entire

pit. An automated Car Door Opener (CDO) is then dispatched to the capstan, where it automatically aligns, inserts, and opens the gate.

Since the RailHawk continually scans & tracks each railcar, the sys-

tem has the flexibility to operate on cars that are coupled, uncoupled, stationary, or in motion. In addition, the system will detect when the grain is unloading and - when unloading is complete - it triggers the gate-closing sequence automatically.

## Take Advantage of proven, State-of-the-Art Technology.

Whether it is increased production, improved efficiency, or reduced waste, Concept Systems can help you **Make More** with our complete automation systems. Concept Systems is the Systems Integration team with the experience and expertise you demand for your plant information and automation needs. With expertise in technologies ranging from PLC and DCS based controls, Motion Control and Vision Inspection, to Database Applications and Production Asset Management systems, Concept Systems is the proven leader in providing value on your production floor.

Whether your project is large or

small, a Green Field installation or an OEM retrofit, Concept has the resources to suit your needs. Integrate Concept with your team and start leveraging our automation expertise today. At Concept Systems our goal is to be **the** technology resource for our customers.

Our award winning team of engineers and project staff are dedicated to maintaining expertise on the most advanced and proven technologies to help you reach your production goals with confidence and efficiency. Our proven, step by step methodology provides for open communication throughout the project team, ensuring

your project will proceed on time and within budget, so you start realizing the benefits that much sooner.

Concept Systems is an organization that has earned a reputation for exceptional results and that appreciates the value of long-term business relationships. Our success is attributed to our extensive list of repeat customers, who recognize the value of the quality workmanship we provide. With our breadth of industry and technological expertise, chances are we have already taken other customers where you want to go. . .

*We Can Take You There!*



**HEADQUARTERS**  
1957 Fescue Street SE  
Albany, Oregon 97322  
866-791-8140

