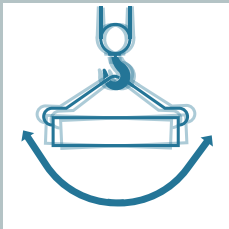




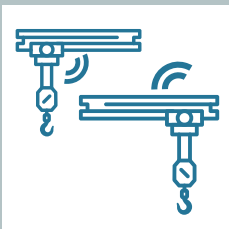
**ONE SOURCE
ONE SOFTWARE
ONE SOLUTION**

DESHAZO PHAZE

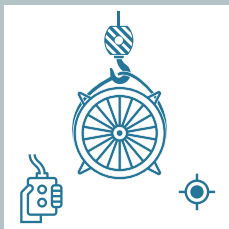
Introducing the only crane smart feature system you will ever need - PHAZE. Gain remote access to crucial data and reduce unplanned downtime while improving equipment safety, productivity and lifecycle value by analyzing PHAZE application data to fully understand daily crane use. Adding PHAZE to existing preventive maintenance programs allows for predictive maintenance, increased safety, and equipment investment decisions.



Sway Control



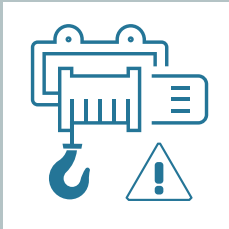
Anti-Collision



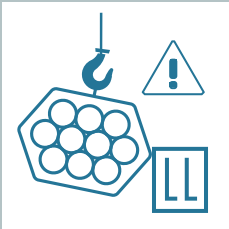
Micro Speed



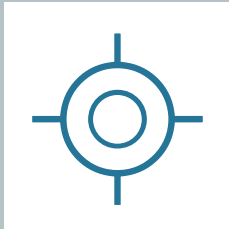
Anti-Shock



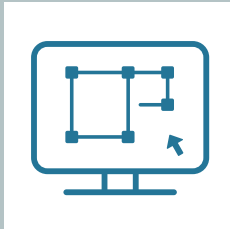
Slack Cable Detection



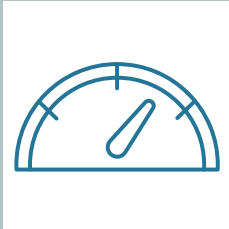
Anti-Snag



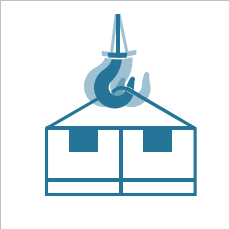
Semi-Auto



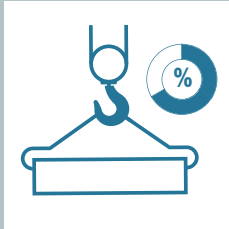
Exclusion Zones



Extended Speed Range



Hook Centering



Load Monitor



Drive Monitor & Fault

LEVEL 1 Stand Alone	LEVEL 2 Stand Alone	LEVEL 3 Base PHAZE
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Anti-Collision

**Level 1
+
Anti-Snag**

**Level 2
+
Drive Monitor
and Fault
+
Slack Cable Detection
+
Extended Speed Range
+
Anti-Shock
+
Micro Speed
+
Hook Centering**

MORE DETAILS

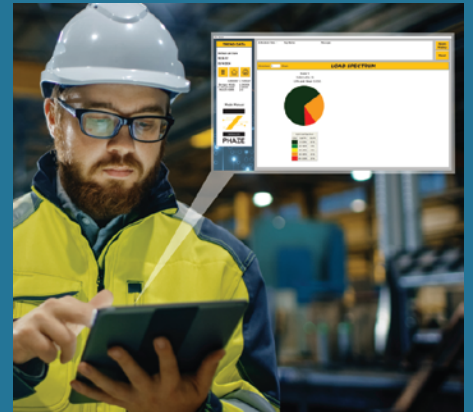
- /Connectivity with a variety of VFDs
- /24/7 Tech Support
- /Fully Customized Solutions Available for Any Application, New and Existing Systems

LEVEL 4 PHAZE Plus	LEVEL 5 PHAZE Premium*
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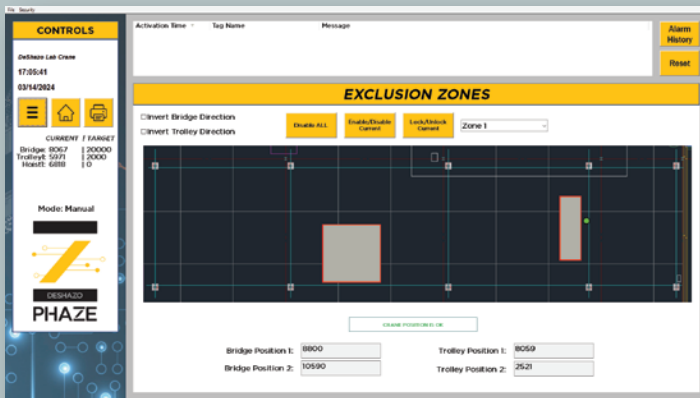
**Level 3
+
Load Monitor
+
Exclusion Zones
+
Semi-Auto
+
Sway Control**

**Level 4
+
Ground Interlock to
Exclusion Zones
+
Screen Customization**

**On-site Engineering Support is not included*



Web Interface for Mobile Data Analysis



CONTACT

800.926.2006
service@deshazo.com

Videos and Product Features:
www.deshazo.com/PHAZE

PACKAGE OPTIONS



PHAZE

KEY FEATURES

Semi-Auto	<i>Semi-Auto</i> utilizes position feedback to move any crane axis to a pre-programmed position. The bridge and trolley can be synchronized to travel in a straight line with anti-sway enabled for maximum traversing efficiency. This feature significantly lowers cycle times for repetitive duties, speeding up processes while reducing effort.
Sway Control	<i>Sway Control</i> utilizes hoist position feedback to control the acceleration and deceleration of the bridge and trolley to minimize load sway. This feature can drastically reduce cycle time as the crane operator does not have to wait for the load to stop swinging once traversing motion is complete.
Exclusion Zones	<i>Exclusion Zones</i> utilize position feedback to inhibit the crane from entering undesirable, pre-programmed boundaries. This feature can prevent unwanted contact and potential damage between the crane and obstacles on the ground.
Anti-Snag	<i>Anti-Snag</i> utilizes tilt sensor feedback to stop traversing operation when the hoist experiences excessive tilt. This feature can help prevent the crane from inadvertently snagging a hook or a load against an obstacle.
Hook Centering	<i>Hook Centering</i> utilizes tilt sensor feedback to automatically move the bridge or trolley while performing a lift. This feature can help prevent side loading.
Drive Monitor & Fault	<i>Drive Monitor & Fault</i> uses feedback from each Variable Frequency Drive to capture and record the live output current and speed. This data is stored into a historical trend which can be useful to review in the event of a failure.
Load Monitor	<i>Load Monitor</i> uses load cell feedback to capture and record the live weight of the hoist. This feature can be used to set limits to inhibit the hoist from being raised in an overload condition. This data is stored into a historical trend which can be useful to review in the event of a failure.
Anti-Collision	<i>Anti-Collision</i> uses bridge position feedback to prevent multiple cranes from colliding as they travel along the same runway. This feature is critical to protect machinery and enhance personnel safety.
The following features are available with existing or added Magnetek systems.	
Micro Speed	<i>Micro Speed</i> allows for precise motion control as the overall speed scale is reduced to a configurable maximum speed. The crane operator can enable this feature when precision load positioning is required for any crane axis.
Anti-Shock	<i>Anti-Shock</i> monitors hoist torque feedback to automatically decelerate the hoist if a high torque value is detected. This can help reduce wear on the hoist by reducing the impact of shock loading.
Slack Cable Detection	<i>Slack Cable Detection</i> monitors hoist torque feedback to automatically decelerate the hoist if a low torque value is detected while running at a constant speed.
Extended Speed Range	<i>Extended Speed Range</i> monitors hoist torque feedback to automatically accelerate the hoist to a variable maximum speed depending upon the size of the load detected. Variable hoisting speeds increase precision at slower speeds for accurate positioning of a heavy load and decrease cycle times at higher speeds to maximize efficiency with little to no load.