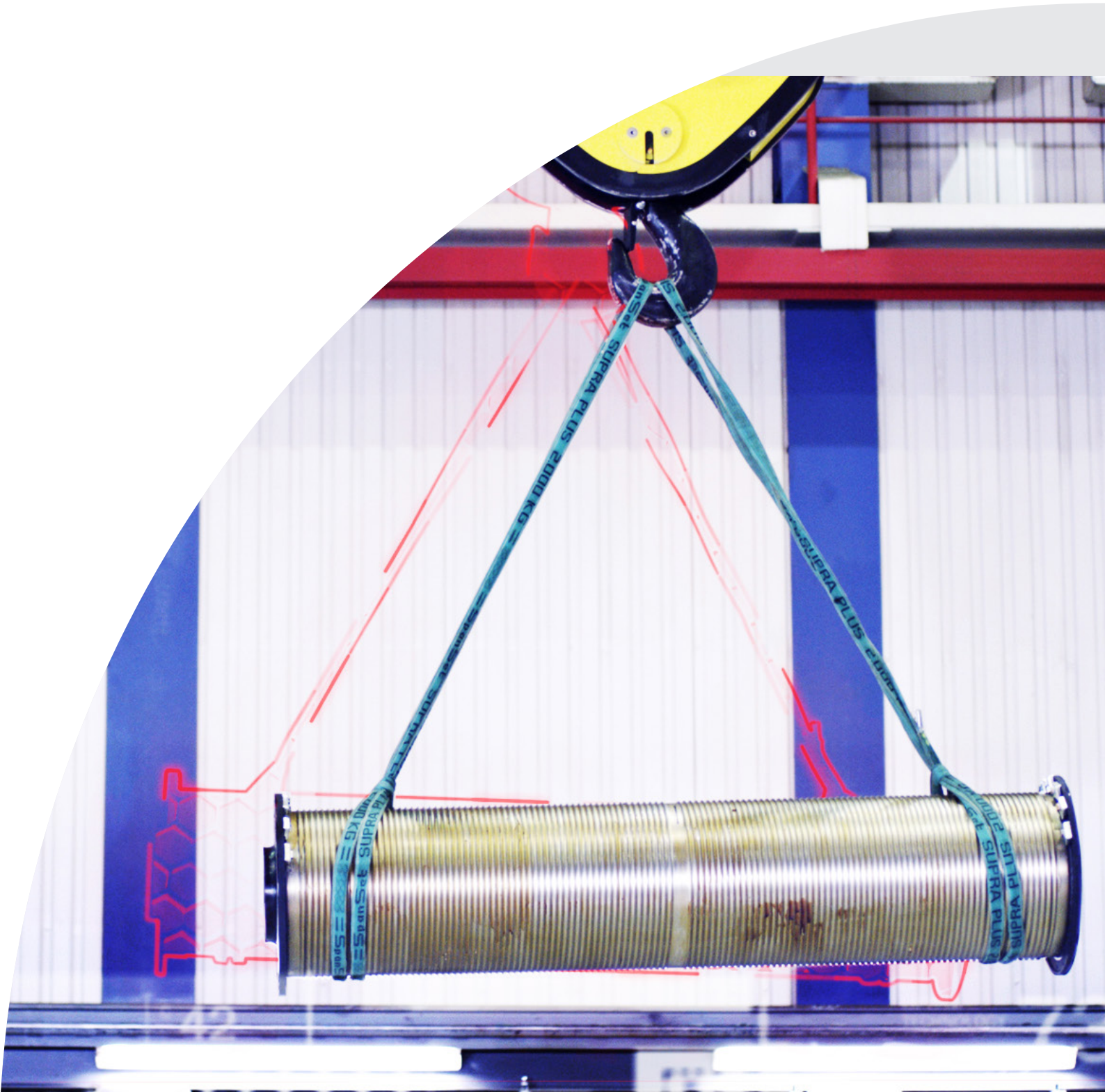


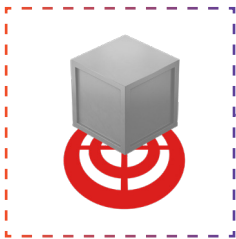
Retrofit: Crane Safe Features



Safe Features

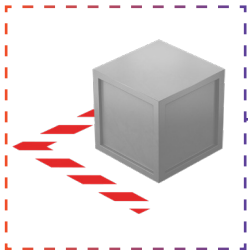
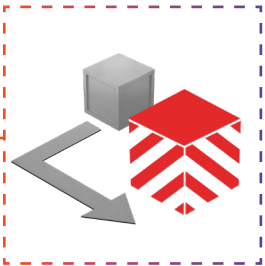
Safe Features enhance material handling by making crane operation easier, faster, and safer. They reduce load cycle times to boost productivity, minimize wear to extend crane life, and help prevent human error for improved safety.

Area Control Features:



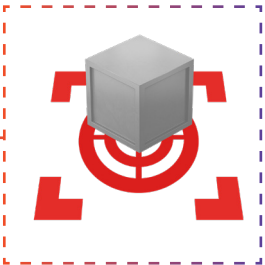
TARGET POSITIONING brings the load from home position to a predefined target position at the push of a single button. This simple movement increases safety and greatly reduces duty cycle times especially with predictable and repetitive work cycles

PROTECTED AREAS defines certain zones that the crane cannot enter. This improves safety by reducing the risk of accidents and preventing collisions between the crane and other equipment.

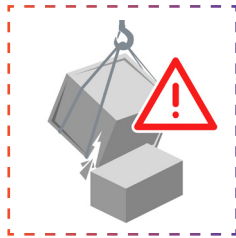


WORKING LIMITS creates temporary “virtual walls” which limit where the crane can move. It is a flexible safety tool in which settings can be easily changed for different tasks, shielding areas where people or equipment are located.

END POSITIONING brings the load to the center of a positioning window by pushing one button on the operator interface. Without having to bring the load to its exact destination manually, this feature makes positioning a safer, faster and easier process.

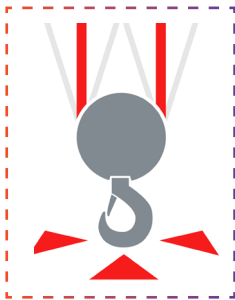
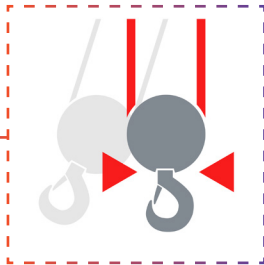


Load Control Features:



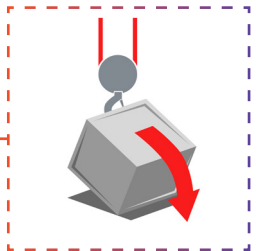
SNAG PREVENTION stops crane movement if the hook, sling or load accidentally catches on something. This decreases risks during crane motion, helping to prevent damage to the load, crane and surrounding area.

ACTIVE SWAY CONTROL decreases existing load sway. It allows faster load handling and more precise positioning while reducing the risk of damage to the load, crane and surrounding area.



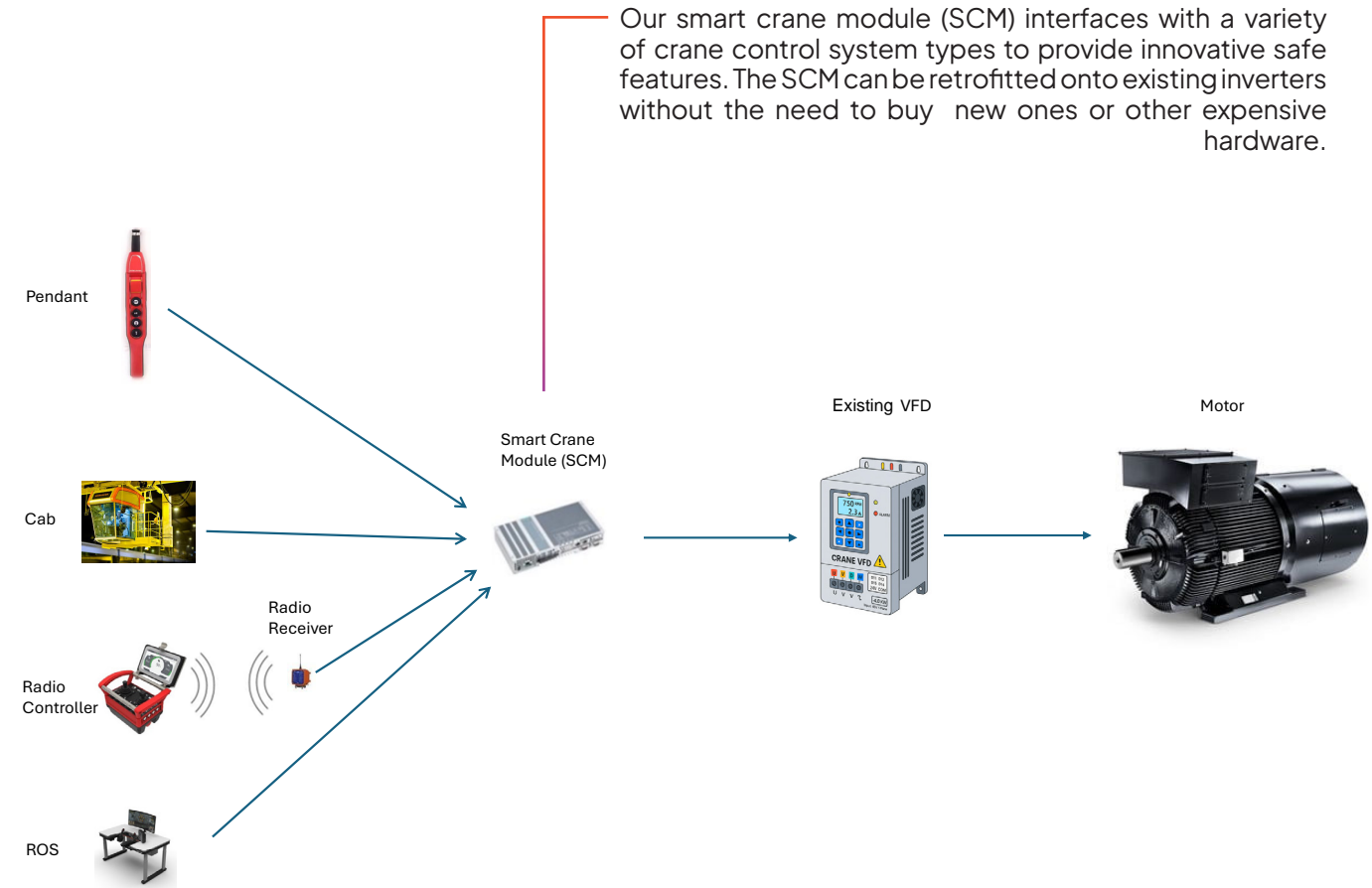
HOOK CENTERING eliminates side pull during lifting by positioning the bridge and trolley directly over the load. This reduces wear and tear on components, faster duty cycle times and easier operation.

ASSISTED LOAD TURNING helps turn the load by keeping the ropes straight and eliminating side pull. This function makes one of the most challenging crane operations easier and less risky. It speeds up duty cycles, extends crane lifetime and simplifies crane operation.



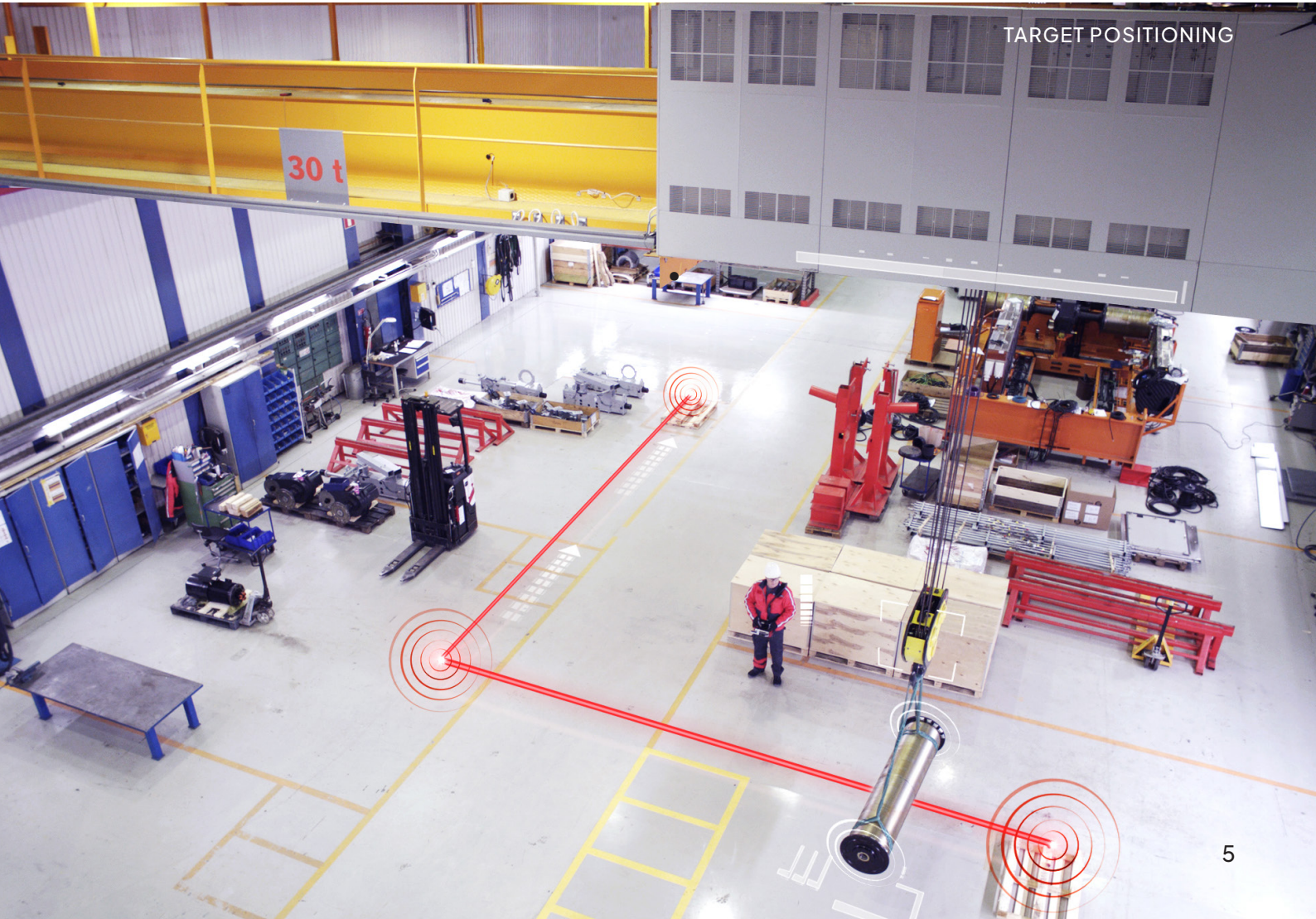
These new safe features can be retrofitted onto existing inverters by installing our smart crane module (SCM). Some features require compatible hardware and control systems. Availability varies by crane make and model.

Control System Layout



Select the features that best suit your needs or let us recommend a customized package tailored to the lifting requirements of your facility.

Feature	Accessories
Load Control	<ul style="list-style-type: none">Infrared Beacon & Infrared Sway Cameraor Inclinometer
Area Control	<ul style="list-style-type: none">Positioning Lasers
Operator's WebKey Tablet	<ul style="list-style-type: none">Bridge CameraTrolley CameraHoist Camera
Some safe features require additional hardware for full functionality. These components will be sold together with the selected feature(s)	



Available Retrofit Konecranes Features

- Micro-speed
 - Extended Speed Range (ESR)
 - Load Float
 - Sway control
 - Shock Load Prevention
- Inching
 - Slack Rope Prevention
 - Hook Centering
 - Snag Prevention
 - Protected Areas
 - Active Sway Control
- End Positioning
 - Target Positioning
 - Working Limits
 - Assisted Load Turning

The safe features options integrated into the Konecranes SCM offer several advanced capabilities not available in older, previously installed crane inverter systems, as outlined in the table. These safe features significantly enhance crane operations, delivering greater safety and productivity to your work environment than ever before.

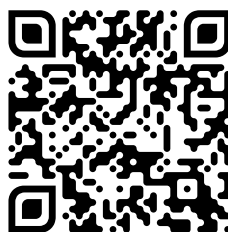


Safe Feature Recommendations

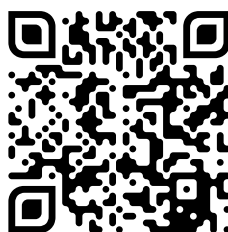
The following table shows our recommendations for Safe Features in five different common industry applications. Contact us for more details on how Safe Features can benefit your business.

SAFE FEATURES	AUTOMOTIVE DIE HANDLING CRANE	STEEL COIL HANDLING CRANE	MANUFACTURING ASSEMBLY LINE CRANE	POWER TURBINE HALL CRANE	PULP & PAPER DRY END CRANE
LOAD CONTROL FEATURES					
Active Sway Control	●	●	●	●	●
Sway Control	•	•	•	•	•
Snag Prevention	●	•	•	•	•
Extended Speed Range (ESR)	•		●		•
Assisted Load Turning	•		•		
Hook Centering	●	●	•		●
Follow Me			●		
Load Floating	●	●	●	●	●
Hoisting Synchronization	•		•	●	●
Microspeed	●		•	●	•
Inching	●		•	•	•
Shock Load Prevention	•	•	•		•
Slack Rope Prevention	•	●	•		●
AREA CONTROL FEATURES					
Protected Areas	●	●	●		●
Working Limits			●		
Target Positioning	●	●	•		•
End Positioning	•	•	●		•

● Highly recommended • recommended



See Safe Features
in Action



Contact Us Today

Konecranes is a global leader in material handling solutions, serving a broad range of customers across multiple industries. We consistently set the industry benchmark, from everyday improvements to the breakthroughs at moments that matter most, because we know we can always find a safer, more productive and sustainable way. That's why, with around 16,700 professionals in over 50 countries, Konecranes is trusted every day to lift, handle and move what the world needs. In 2024, Group sales totaled EUR 4.2 billion. Konecranes shares are listed on Nasdaq Helsinki (symbol: KCR).

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