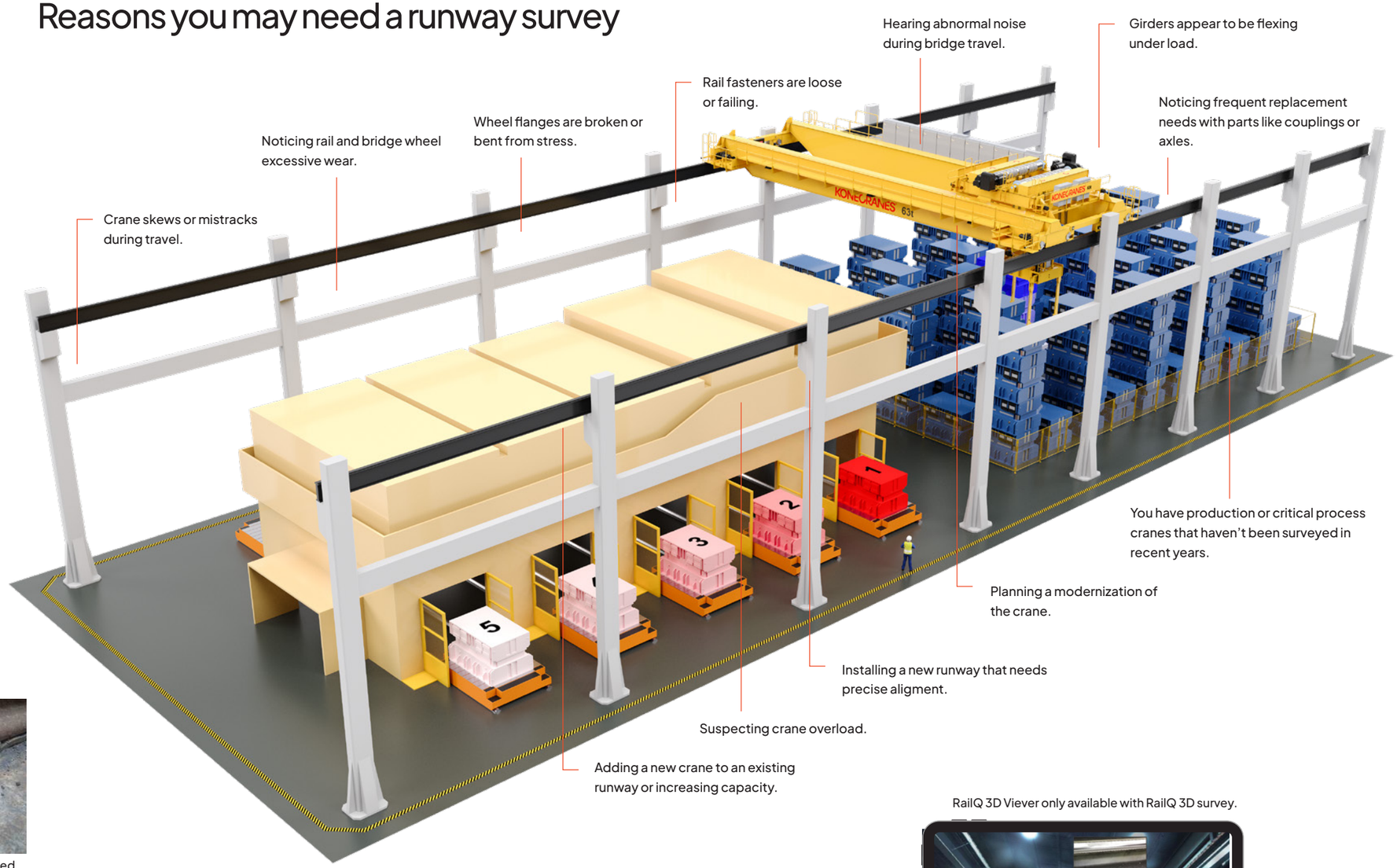
Do you need a runway survey?

The condition of the runway influences how well a crane moves on its rails and affects the usability and lifetime of the crane and its travelling machineries. A runway in poor condition leads to reduced crane performance and reliability, and possibly to safety risks.

The **RailQ 3D and RailQ runway surveys** have been designed to deliver accurate information on the alignment of your crane runway and provide expert recommendations for corrective actions. The comprehensive RailQ 3D uses high-definition surveying techniques combined with point cloud data analysis to provide information on runway condition. RailQ runway concentrates on the rail alignment and uses a remote-controlled robot with visual inspection

Reasons you may need a runway survey



Is your crane traveling correctly on the runway?

Cranes should travel or track along their runway rails with a minimum of skew and without binding. Improper tracking leads to premature wheel and rail wear, resulting in costly repairs and downtime, as well as inefficient and suboptimal crane operation.

There are many reasons why a crane does not travel correctly on the runway including:

- Misaligned or worn rail
- Missing clips
- Worn pads
- Corrosion
- Improper installation
- Runway structure is uneven, bent or twisted due to column settlement, overloads or impacts

Rail pad not properly installed.

Rail clamp welds starting to corrode.

Get accurate measurements and expert recommendations

Our proprietary analysis and visualization software produces reports that visualize the problem areas and Konecranes engineers review the data to recommend alignment strategies and highlight areas where critical safety issues are found. RailQ 3D and RailQ reports and recommendations are available online on the Konecranes Portal.

RailQ 3D Viever only available with RailQ 3D survey.

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