![KRONE logo]

**20. September 2022**

# ARTIFICIAL INTELLIGENCE DETECTS AVAILABLE LOADING SPACE

**Artificial intelligence detects available loading space**

Krone will unveil its Smart Capacity Management intelligent load space detection system, which is now ready for series production, at the IAA Transportation 2022 in Hanover. This quickly provides dispatchers with reliable information about where there is available loading capacity on a vehicle. In the basic SmartScan configuration, only the images from inside the trailer are transmitted, while the more advanced SmartLoad configuration automates a number of processes using artificial intelligence.

Krone Smart Capacity Management employs SmartScan technology to monitor the load compartment in the trailer using a camera and transmits the images to the Krone Telematics Portal via the Krone Smart Collect (KSC) telematics unit. This allows the dispatcher to track the trailer in real time, view the loading area and examine the interior before and after loading or unloading. The dispatcher can use SmartScan to visualise damage, incorrectly secured loads and people. All loading and unloading processes are documented, including location and a timestamp. In the Krone Telematics Portal, both the algorithm and the camera image for each trailer, are shown for optimum control. The high-resolution images allow the dispatcher to immediately identify any damage to the goods and vehicle – even in the dark and when the trailer is closed. It can also start recording new images as needed.

In the higher-level SmartLoad configuration, artificial intelligence evaluates the images and detects possible damage, incorrectly secured loads and people and calculates the available loading space in metres. The system automatically detects the space requirements and load consignments and transfers this information in real time both to the dispatcher as well as the transport management system (TMS).

**Artificial intelligence for freight exchanges**

To allow transport companies to utilise this information in a targeted manner, Krone provides the data

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via API for the common transport management systems (TMS) on request. Free pallet spaces as well as other free loading space are then automatically identified and can also be transferred to freight exchanges using the TMS together with the current location. Possible transport orders are also recommended. The Krone Smart Capacity Management allows you to maximise capacity utilisation, which not only gives you a major advantage over your competitors, but also eliminates unnecessary (partially) empty runs, which in turn helps to protect the environment over the long term.

Another advantage is the considerable reduction in the workload: thanks to the Krone Smart Capacity Management's innovative technology, the dispatcher's task focus is shifted from order coordination to order monitoring.

**Visit us at the Krone trade fair stand!**

IAA Transportation 2022 | 20/09/2022 –25/09/2022 |

Hanover Fair | Hall 27 | Stand C40 | outdoor area N41, Q41, P43



**If you have any questions, please do not hesitate to contact me.:**
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