Digital transformation in logistic centers

Mobile, audio-visual order picking and storage. Software applications are revolutionizing the intralogistics market. With the Klinkvoice app, standard smartphones with headset and scanner can be used comfortably for pick-by-voice and put-by-voice applications. Classic, costly voice consoles and handhelds will be replaced.

The multimedia kit comprises the app Klinkvoice, smartphone, headset and scanner and replaces voice and hand-held radio terminals. (Fig.: Klinkhammer)

In private daily life it has long been taken for granted that any type of information is accessible anytime on mobile devices. Now, logistics employees also enjoy this flexibility with additional smartphone features. With Klinkvoice, the intralogistics specialist Klinkhammer presents a mobile application for audio-visual user guidance during order picking and storage. The mobile solution with multimedia kit comprising app, smartphone, headset and scanner offers decisive cost and flexibility advantages to the customers. Large international logistics centers as well as small specialized order picking systems can be equipped with Klinkvoice.

Besides user guidance by voice, touch and scan can be used as input assistance, all sup-

Shortened order picking times and order picking reliability

ported by a single app. Voice synthesis in the audio section enables audio output of texts, which up to now could only be displayed on screens or on paper. In addition, the smartphone offers graphic interfaces and the display of photos. Klinkvoice closes the gap between modern digitalization and existing systems and offers new application possibilities tailored to individual customer requirements.

Klinkvoice is part of the warehouse management software Klinkware and can be installed on any Android smartphone. The smartphone communicates via WLAN with the server which gives instructions and receives feedback. Therefore, the phone does not require any internet connection. Headset and scanner are connected to the smartphone via Bluetooth. The scanner is used to scan the user authentication, loading aids, products and local labelling for the localization of containers or shelves. Voice messages and commands are transmitted to the worker via headset. The worker is able to give speech feedback as well. Using the app interface of the smartphone, the worker chooses his area of responsibility. There, he receives, for example, additional information, a product picture or he can enter inventory corrections. The voice output and the speaker-independent, multilingual voice recognition takes place via the voice dialogue system of Klinkhammer. **ﬂ** *pb*

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