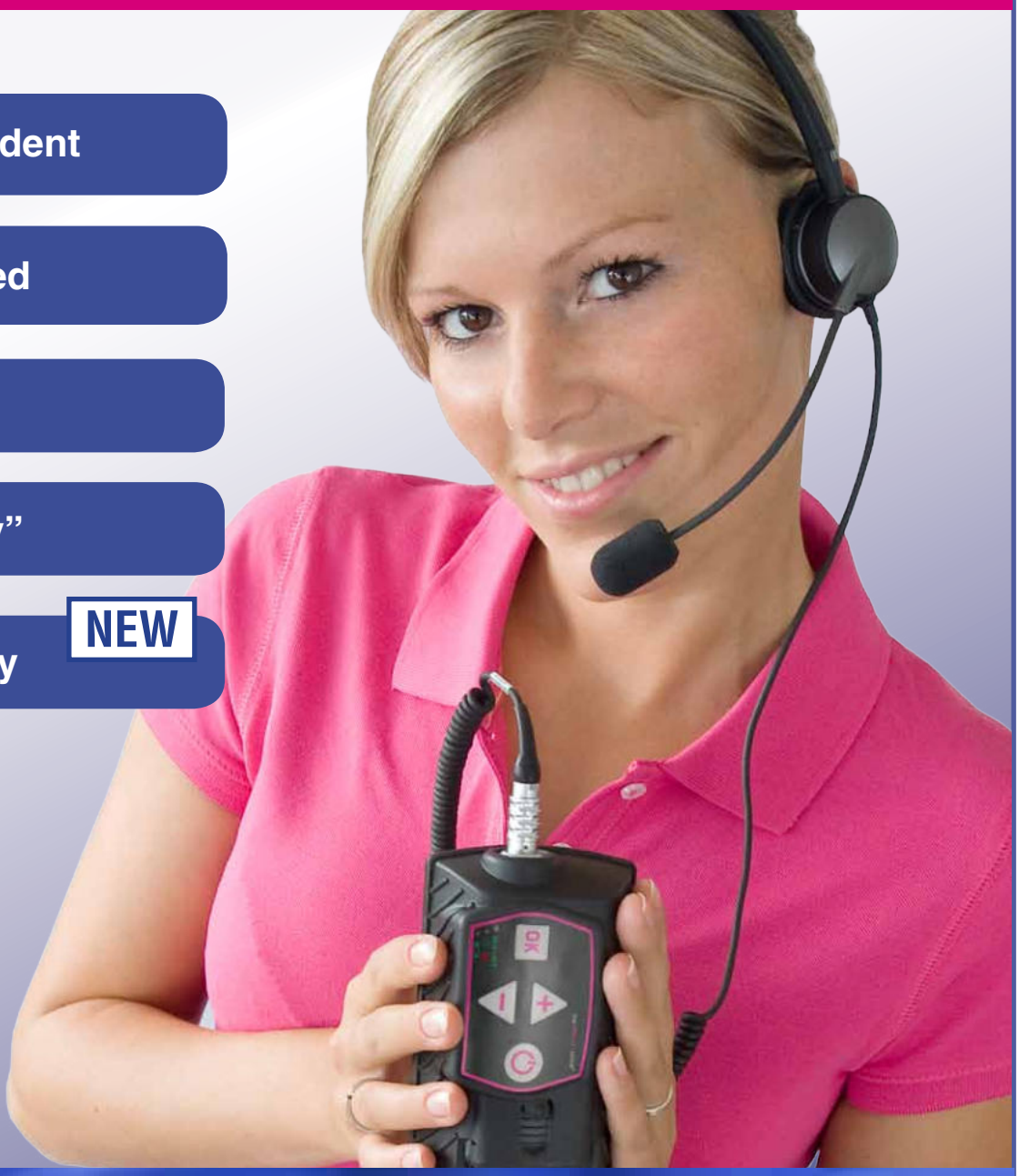
Voice Technologies

topsystem
OPTIMIZING PROCESSES

topsystem Systemhaus GmbH - Your Partner in Aviation and Logistics

topSPEECH-Lydia®
The Voice in Logistics!



- Hardware independent
- No training required
- Flexible interfaces
- “Made in Germany”
- Wireless Telephony NEW

YOUR CHOICE FOR VOICE℠

www.topsystem.de

topSPEECH-Lydia®

A speech system that has it all!

With a topSPEECH you simply achieve more!

Do you want to ensure optimum processes in your warehouse? Would you like to improve picking quality, work more efficiently, and save on costs at the same time? If the answer is yes, voice technology is the way to go! With topSPEECH-Lydia® we have been offering a market-driven, innovative voice-based solution, which has already proven its value worldwide for many years.

In order to use topSPEECH-Lydia®, your employees simply require a headset and portable computer (speech client) that can be comfortably attached to a belt. With Lydia®, there is no longer any need to waste precious time handling picking lists and using barcode scanners. All information such as the bin location and quantity to be picked is announced by the system and immediately confirmed by the operator's speech input. The employees continuously have their eyes and hands free to perform vital tasks, so they can move around the warehouse more quickly and productively, thereby increasing work efficiency and picking quality.

The use of only a few voice commands along with constantly repeated work steps means that the users become familiar with the software in the shortest amount of time possible. Thanks to our speaker-independent speech recognition, no additional voice training is required. This means that it will not be any problem for temporary and seasonal workers to also use Lydia®.

Speech input and output are processed locally on the client device. The entered data is transmitted to the superordinate system (WMS / ERP system) via wireless communication. The client-based speech input also enables applications without permanent radio contact, such as outdoor/open air applications.

topSPEECH-Lydia® understands any language and dialect, and even accepts multiple languages in one application at the same time (as is typical in warehouse environments).

Significant cost benefits

Increased work efficiency and a reduced error rate result in considerable savings and rapid ROI.

Remarkable increase in quality

The picking of products is immediately confirmed and verified through speech input. Errors are reduced and there is no need for additional quality checks.

Optimum ergonomics

The operator's eyes and hands remain free for vital tasks. Employees can move around the warehouse more quickly and productively.

Easy to grasp

Speaking and listening are basic human skills. The simple dialogue structure means that employees can start working with the solution straight away.

High motivation and acceptance levels

Since topSPEECH-Lydia® simplifies work processes through the use of speech, it receives a high level of acceptance and user satisfaction.

topSPEECH-Lydia® 6.0 - The Leader in Technology for Pick by Voice!

No training required

topsystem uses the most up-to-date independent speech recognition technology, which enables the system to immediately recognise dialects and accents. This results in enormous savings of time and money since individual speech profiles of every employee are no longer required. Yet another unique feature of topsystem!

Hardware-independent

topSPEECH-Lydia® runs on many standard computers with Windows Mobile or Windows CE, even when using different devices in the same application. This is a considerable advantage for integration, maintenance and hardware upgrades. Over 40 devices made by various manufacturers have been certified as suitable speech clients. Contact us to verify if your hardware is compatible.

Flexible modular interfaces

topSPEECH-Lydia® can be easily integrated into existing IT structures. We offer flexible, modular interfaces for all common warehouse management and ERP systems.

Direct integration into SAP - 100% online

As the only speech recognition system worldwide, topSPEECH-Lydia® has been directly integrated in the SAP system. topSPEECH-Lydia® runs 100% on-line with SAP without the need of middleware.

Voice output in all languages possible

Voice output is possible in all official languages, either through a male or female voice. The choice is yours.

Natural voice

We focus on natural voice output employing human voices. Contrary to a synthetically generated voice, the use of a human voice has proven to result into faster acceptance by the operators in the warehouse.

Application commands via voice input

Ergonomics plays an important role for speech applications. Application commands, such as voice-login, volume control and pause mode can now be issued via voice, keeping the operator's hands free at all times.

Noise/ audio filter per software

Even in the most challenging noise environment, topSPEECH-Lydia® ensures excellent and reliable speech recognition.

CoPilot via WLAN

Using the CoPilot, warehouse managers can train and support the users with topSPEECH-Lydia®.

Language test and diagnostics statistics

The language test and statistics show if an employee is correctly recognised or whether there is still room for improvement. Adjustments to improve recognition can always be made through additional, manual fine-tuning.

Voice-controlled Wireless-Telephony

With the newly integrated wireless telephony the warehouse manager can immediately communicate with the employees in the warehouse, eliminating unnecessary walking times which results in saving time and money. Questions can be quickly answered or instructions given from the control centre.

WLAN security according to latest industry standards

We support the latest encryption standards, including the WLAN standard 802.11i with WPA2 including AES-256 encryption.

New training tools

In addition to the individual on-site train-the-trainer sessions, we now offer our customers training videos which clearly illustrate how to use topSPEECH-Lydia® and related hardware. These video clips can be used for ongoing training for current and future operators of the system.

topSPEECH-Lydia®

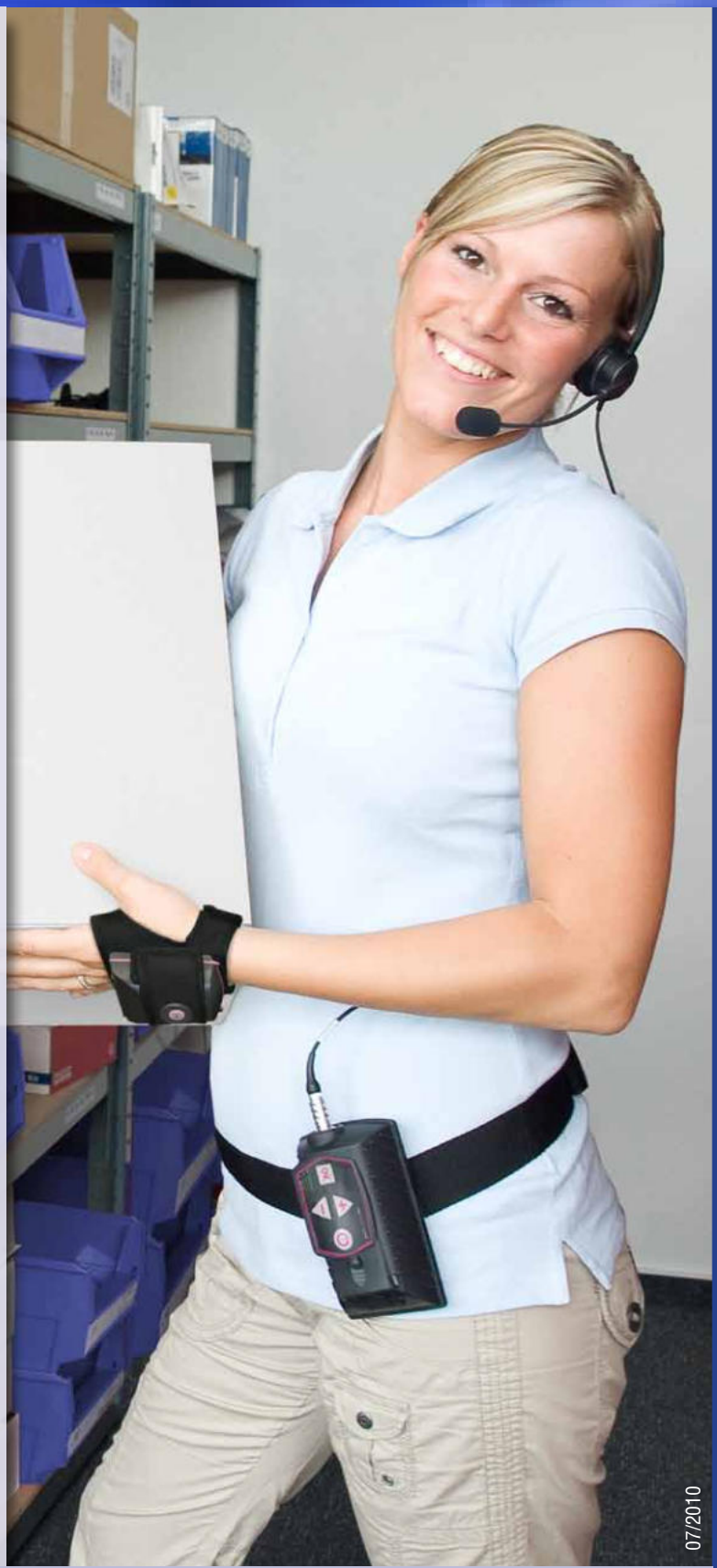
A speech system that has it all !

The topSPEECH-Lydia® voice software suite is flexible and robust. Even in special circumstances, such as the use in an extremely noisy warehouse environment, it guarantees reliable speech recognition. Various industry-standard devices of different manufacturers can be used as speech client. This means that even companies with challenging work environments can benefit from the advantages of voice-operated applications.

The dialogue can be individually designed and modified to meet customer requirements. topSPEECH-Lydia® can also be enhanced by a barcode scanner or RFID reader if additional data acquisition is required.

Thanks to its excellent reliability and flexibility, topSPEECH-Lydia® can be used for a large number of applications within the supply chain.

- Receiving
- Cross-docking
- Put-away
- Bin-to-Bin
- Picking
- Replenishment
- Just-in-time/KANBAN
- Inventory
- Quality Control
- Shipping
- Checklisting
- Other special applications



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