

## **Press - Information**

### **DESKO Equips Bangkok Airport with RFID Passport Readers**

**The new international airport of Bangkok is the first airport worldwide to use an area-wide installation of DESKO RFID passport readers to gather biometric passport data.**

**Bayreuth, 15. February 2006** For the first time DESKO provides a modern multi data gathering device, that is able to read biometric data with the help of RFID technology. The BMOS 5000e system, introduced at CeBIT 2005, is based on the proven and to airlines and airport authorities well known BMOS 5000 system. DESKO presents an e-Passport reader that meets the future requirements in the field of security and passenger service.

The new international airport of Bangkok, starting business September 2006, will use the new DESKO BMOS 5000e system. The Asian countries, especially Malaysia, Thailand or Singapore take up a precursor role in using e-Passport technology. Bangkok airport is one of the most important turntables of this area and with 800 installed systems the first airport worldwide to meet the new security guidelines of international passenger services. Therefore, Bangkok will be the first international junction to gain experience with the new passports in a real-time environment. "With 800 installed systems we are not talking about a pilot project anymore; in fact it is a practical test for the airport in interacting with biometric passport data. We are glad to prove that our systems meets these requirements", says Bruno Geyer, Managing Director of DESKO.

Since November 2005 German passports also possess a chip where biometric data is stored. These biometric passports make a contribution to increase security at airports.

**Contact data for  
potential customers and  
press:**

DESKO GmbH  
Mr. Alexander Zahn  
Gottlieb-Keim-Straße 56  
95448 Bayreuth  
Germany

Phone.: +49 921 / 79279-0  
Fax: +49 921 / 79279-14

[press@desko.de](mailto:press@desko.de)  
[www.desko.de](http://www.desko.de)

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Comparing the biometric data of the passport owner and the biometric data stored on the passport makes it possible to prevent passports even more from being counterfeit. To avoid abuse and theft of data, the unit must first read the optical data from the open passport and then gets access to the data stored on the chip. Only after the system has recognized the data with the help of OCR technology, the system can access the biometric passport data. Of course, the wireless communication between BMOS 5000e and chip is encoded. Therefore the communication can not be taped.

On the one hand DESKO relies with its newest development in the field of travel and security on proven and tested OCR reader technology, developed and completed through the years by DESKO. On the other hand DESKO focuses on innovative RFID solutions, which meet the requirements of the future.

The DESKO BMOS 5000e system will be presented at the CeBIT 2006. Please visit DESKO at the CeBIT Hall 17, booth A01.25. Additional information can be found on the DESKO website ([www.desko.de](http://www.desko.de)).

### **About DESKO:**

DESKO has designed, manufactured and marketed solutions for professional data entry applications very successfully for more than 10 years in the banking, trading and travel and security area. The different and consistently integrated concepts of soft- and hardware are in use where machine-readable data have to be transferred to EDV systems. Therefore, for a long time customers of DESKO are banks, insurances, international offices, airlines and airports.

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## **DESKO Full Page – Passport Scanner Combines Security and Efficiency**

**Growing international tourist traffic and security requirements becoming sterner - request better control possibilities and shorter handling time.**

**Bayreuth, 15th February 2006** With its full page passport scanner DESKO presents an innovative technology for passenger and border control systems. Despite a complex document and security check, the system is flexible and ergonomic enough to be used in large numbers as a standardized tool for security and border cross applications.

Airlines and airports are more and more confronted with an increasing number of passengers and an international community that demands stricter security requirements. By adding biometric data, normal passports are becoming e-Passports. Also, in addition to an already integrated chip, barcodes on the data page of the passport are under discussion. Increasing amounts of data have to be read and transmitted reliably and fast. Exactly for these issues the new DESKO full page passport scanner has been developed. Equipped with a revolutionary scanner system –requiring very little space and working with high speed – the DESKO full page passport scanner system is flexible and handy. „The used technology opens up a lot new possibilities for travel and border controls“, explains Bruno Geyer, Managing Director. „So far these kind of complex and exact scanners were often only used by laboratories; but our system is such ergonomic and user friendly that it is possible to install large amounts of the device at different locations, e.g. at airport check-in desks or at border control stations. The system can either be used as a self-service or as an operated device“.

The open passport has to be placed on the display and the complete data page of the passport will be scanned. Therefore, the location and

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Fax: +49 921 / 79279-14  
press@desko.de

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type of coded data is not important, all necessary information can be scanned. Therefore common OCR data as well as new added barcode data can be read. Also, the full page scanner has an integrated wireless RFID technology, which ensures that all biometric data of the new e-Passports are available. Additional functions, such as infrared sampling and automatically checking the validity of passports make sure that the DESKO FP 500 system supports passenger and border control applications perfectly.

With the latest development DESKO focuses on reliable and maintenance-free technology. Furthermore, the system can be adjusted individually to customer needs. This proven and successful strategy of DESKO makes the new full page passport scanner system an essential application for all travel and security tasks of the future.

The DESKO FP 500 system will be presented again at the CeBIT 2006. Please visit DESKO GmbH at the CebIT Hall 17, booth A01.25. Additional information can be found on the DESKO website [www.desko.de](http://www.desko.de)

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### **DESKO Boarding Gate Reader Allows Flexible and Mobile Check-In**

**DESKO offers with its Gate Reader Solution Kit a boarding gate reader that for the first time allows check-in by bar code.**

**Bayreuth, March 20th 2006** Airlines and airports must work more flexible but also more ergonomic. Two features, which normally do not go together easily. This is why the DESKO Gate Reader Solution Kit (GRSK) has been developed. For the first time DESKO offers a boarding gate reader, which allows check-in even by bar code. This makes the GRSK worldwide a unique system that makes all bar code boarding processes possible.

The International Air Transport Association (IATA) tries to replace the existing and because of having a magnetic stripe printed on its back expensive tickets. In the future all necessary information shall be available within a bar code field. "With the help of bar code technology airlines and airports have varied possibilities to handle their boarding processes more cost-effective and considerable faster. One is not only able to print a bar code with any printer on nearly any type of paper but can also display a bar code on a screen i.e. of a PDA", explains Ewald Plößner Sales Manager DESKO. Therefore the passenger is able to print its ticket and boarding passes at home or can even present the bar code on its mobile phone screen. As a result the check-in processes at the airport become unnecessary. The passenger is doing the check-in comfortable at home and can then go straight to the boarding gate where the information stored on his bar code is verified before entering the airplane.

This so called mobile boarding process is not least possible because of DESKO's check-in system. In cooperation with dba the mobile boarding process was started March 9<sup>th</sup> just in time for CeBIT and ITB exhibition

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95448 Bayreuth  
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on the Munich – Hannover airway. Passengers can book their flights online at dba website and after that get their boarding pass sent to their MMS capable mobile phone. All the passenger has to do now is present the 2D bar code displayed on its mobile phone so that the DESKO boarding gate reader can confirm the data before he enters the aircraft. Consequently the check-in process at the airport and a long waiting time that comes with it is a thing of the past. This procedure is time-saving for the passenger and makes air travel clearly more flexible. Because of the much simpler passenger handling airlines and airports can do the necessary procedures much more ergonomic and therefore stay competitive in the future.

Additional information can be found on the DESKO website [www.desko.de](http://www.desko.de)

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## **DESKO Introduces ePass Reader for Government Authorities**

**DESKO introduced an ePass reader especially designed for government authorities at CeBIT exhibition. The system is an integrated solution that reads the new biometric passport according to ICAO standards.**

**Bayreuth, March 21<sup>st</sup> 2006** DESKO offers with its ePass reader system a modern tool that for the first time can detect biometric data by using RFID technology. The ePass reader is integrated into a keyboard and consequently fits perfect to already existing EDV environment at government authorities. The device needs no external power supply and is connected via USB like an ordinary keyboard. Furthermore DESKO provides a piece of software, which is specifically designed for passport verification while handing out new passports to citizens.

Though the new biometric passports are available since last year, i.e. in Germany, government authorities hardly have any possibility to show citizens what data is stored on the chip, which is embedded in the new passport. By using the new DESKO passport reader system government authorities now have the possibility to install an integrated solution that is particularly designed for this specific need. The system follows the Basic Access Control procedure (BAC), which says, that before getting access to the data stored on the chip the Machine Readable Zone (MRZ) of the passport document has to be read. The DESKO solution handles this procedure, installed to make sure that no unauthorized person gets access to the data stored on the RFID chip, in two steps. First it reads the MRZ via an integrated OCR swipe-through-reader and then the closed document is put into a, also integrated, RFID reader device. "The procedure and the design are well thought-out and are based on experience. As a result the system allows integration into an existing EDV environment and on furthermore even

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older passport, where only OCR data reading is necessary, can be handled", explains Bruno Geyer Managing Director of DESKO.

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