

Under the Patronage of

H.H. Sheikh Ahmed bin Saeed Al Maktoum

President of Dubai Civil Aviation Authority, Chairman of Dubai Airports

Chairman and Chief Executive of Emirates Airline and Group

airport show | 2014

11 – 13 May 2014 | DICEC, DUBAI

www.theairportshow.com

NEW PRODUCTS GUIDE



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ADB Airfield Solutions

Stand no: 7331

www.adb-air.com

LED PAPI: A Smarter Airport Approach with ADB

The challenge for airports today is to manage air traffic and airside resources intelligently, safely and efficiently, while reducing environmental impact. At ADB Airfield Solutions, we believe the solution lies in making an airport 'smart'.

A 'Smart Airport' considers five key elements covering all aspects of landing and take-off, and looks at how managing this cycle end-to-end. From AGL Design and Airfield lighting (AGL), to Guidance, Safety and Maintenance, every aspect is managed intelligently, for greater productivity, safety and sustainability.

ADB's 'all-LED' Smart Approach is part of this concept, and comprises the company's proven LED AGL, its high performance LED Approach, Threshold, and Runway End lighting (LEAP), and LED PAPI, all of which are designed to work smarter! ADB's LED PAPI is the world's first PAPI that lights up almost instantly when switched on, and is virtually moisture- and frost-free, thus resolving operational issues in colder climates.

Overall, ADB's all-LED Smart Approach enables substantial energy and cost savings, and offers a smarter, greener and more reliable alternative to airports today. What's more - with Exel's frangible lattice masts and poles ideal for approach lighting installations, the solution is complete!



Beumer Group Middle East

Stand no: 7105

www.beumergroup.com

New trends in baggage handling

Airport hubs use new baggage handling techniques to ensure they maintain a competitive edge in efficiency and passenger satisfaction. These techniques include on-demand sorting of baggage to enable speedloading of ULDs and trolleys, as well as introducing a new approach to Early Baggage Storage (EBS).

BEUMER Group's CrisStore™ baggage storage system uses a single access, high-bay racking system to store individual items of baggage with 100% tracking and control. This allows individual bags to be retrieved by the system at any time, regardless of flight time to increase both productivity and efficiency.



Clean Air

Stand number: 8050

www.qleanair.com

AirQlean H™ is a ceiling mounted air filtration system. Its advanced technology efficiently traps ascending smoke gases and particles, which creates a better air cleaning solution for existing smoking rooms. Using a system of high performance HEPA and carbon filters, the air that's captured is returned to the smoking room filtered and 100% clean. Installed in the ceiling above the smokers, the AirQlean H extracts the maximum amount of rising hazardous tobacco smoke from the air.

QleanAir H ARE:

- Most efficient air cleaner on the market
- Cleans a smoking room in less than 12 minutes
- High airspeed and multiple drift levels
- Fire protection features to eliminate risks
- Service indicators guarantees performance over time



CONRAC

Stand no: 7410

www.data-modul.com

CONRAC will be showcasing an innovative new display concept: Featuring a protective front glass, the new 61xx BD Narrow Bezel series combines stylish design with just the degree of protection required for use in public environments. The state-of-the-art LED backlighting technology and fanless low power display electronics allow an almost frameless design and a super slim cabinet depth.

The new cFPS concept (Flexible Pluggable Solution) allows a very quick and easy exchange of the entire electronics, without the need of even a single screw!

The fully integrated solution will be available with two different IPCs based on the latest energy efficient ARM Cortex A9 and Intel Atom technologies with embedded Linux® or WindowsEmbedded®.



DTP

Stand no: 7300

www.dtp.ae

Amadeus Airport Common Use Service (ACUS) is a highly competitive, next-generation common use solution, enabling passenger processing systems to be accessed anywhere on demand (both within and outside the airport terminal). ACUS is fast and easy to implement and can be used on a PC, laptop or mobile device. Our common use platform also contributes to substantial cost savings by eliminating the need for on-site servers and reducing airport energy costs.

Providing airports, airlines and ground handlers with a complete end-to-end solution, ACUS brings greater business agility, operational resilience, scalability and flexibility to make passenger processing more efficient than ever before.



ESTEL

Stand no: 8430

New GPU unit from Tallinn Electrical Engineering Factory 'ESTEL' ESTEL is set to showcase a new series of its latest ground power unit (GPU) products-developed to meet the increasing demands of future aircrafts.

The new FCA-180M, the world's most efficient and reliable 180kVA solid-state cost effective GPU servicing 400 Hz AC, was designed and manufactured according to Airbus' technical requirements.

Heavy duty design, easy maintenance, 24/7 operating mode at nominal power, compliance to requirements of future aircrafts, low noise level (< 50 dBA) – You definitely should step inside our booth nr 8430, because such device worth looking at!



FMT

Stand no: 8173

www.fmt.se

Aircraft Individual Identification

The latest invention in the field of Advanced Visual Docking Guidance is now being introduced by FMT. The new invention is called Aircraft Individual Identification and is a component in the APIS R which means APIS Radio.

There has been a request from different airport stakeholders to have an approaching aircraft to be 100% confirmed by the docking systems according to the preplanned schedule and stand planning.

The producers of Advanced Visual Docking Guidance System (AVDGS) have introduced AVDGS systems that have a capability to recognize different aircraft types, but all existing AVDGS systems on the market today have limitations and cannot discriminate or identify each and every aircraft in terms of the specific aircraft type, series and configuration.

FMT has developed and patented a new technology to identify the aircraft individual registration number (tail number). This new technology will provide all relevant information about an approaching aircraft in order to give a 100% safe confirmation that the presetting for the stand is correct. In addition the aircraft individual registration number contains a great amount of useful information for airport stakeholders and airline operators that can be used for optimizing other processes outside the docking process.



Huawei Technologies

Stand no: 8205

enterprise.huawei.com

Based on Software Defined Networking (SDN) concepts and five architectural innovations, the Huawei Agile Network Solution is a next-generation enterprise solution that enables a swift and flexible network for services. It provides rapid service innovation, helping enterprises seize business opportunities amidst fierce competition.

- Fully Programmable: SDN-enabled, scales up 4 times faster than the industry's average
- Quality Detection: Detects faults quickly and accurately; provides a seamless experience
- All Encompassing Services: Network resources move with mobile applications
- Complete Security Setup: Shifts from a single-point to an entire network security protection
- Wired and Wireless In-Depth Convergence: One Network, One Device, and One Unified Management



Huawei Technologies

Stand no: 8205

enterprise.huawei.com

HUAWEI OceanStor 18000 series Enterprise Storage System is an optimum storage platform for next-generation data centers that feature virtualization, hybrid cloud, simplified IT, and low carbon footprints. Flexible and efficient, it is designed for mission-critical appliances of enterprise customers.

Its highlights include the enterprise storage-dedicated XVE operating system, Smart Matrix architecture, fully virtualized intelligent volumes, Smart series resource management software, Hyper series data protection software, and Ultra series advanced software. With all these innovative features, the OceanStor 18000 series offers unprecedented advantages in performance, availability, scalability, and cost.



Huawei Technologies

Stand no: 8205

enterprise.huawei.com

HUAWEI TE30 is a cost-effective 3-in-1 HD videoconferencing endpoint; its compact appearance and simplified installation make it an ideal choice for small and medium-sized conference rooms.

- 3-in-1 design: codec, camera, microphone
- H.264 HP 1080p 25/30fps(Optional), dual 1080p
- Patented SEC 3.0 + H.264 SVC: tolerates 20% packet loss
- Voice dialing; 6-meter sound collection
- IPV6/IPV4,Wi-Fi access, up to 4 Mbps/s



Hugentobler Spezialleuchten AG

Stand No: Swiss Pavilion

www.spezialleuchten.ch

One of our Heliport products is a landing place light called "Helios."

This lamp has an integrated position light. The light emission above is limited, so that the pilot is not dazzled. The colour corresponds to the ICAO standard.



Hugentobler Spezialleuchten AG

Stand No: Swiss Pavilion

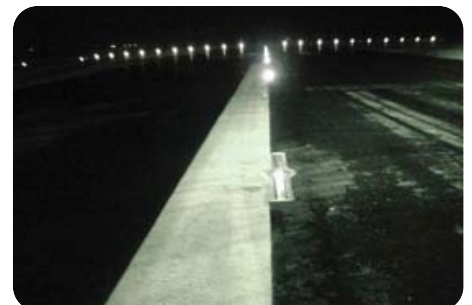
www.spezialleuchten.ch

A second product for the airport is called "Centerline RCL".

It's an optical illumination in center of the track as an indication for the pilots.

The light color at the beginning of the runway is white, towards the end of the runway the color changes to red.

The Center Line RCL lamp complies with the guidelines of ICAO, Annex 14.



INTOS

Stand no: 8165

www.intos.nl

Space Saving Search Cabin

INTOS developed the Space-saving Search Cabin for airports. Due to the fact that in general a search cabin is only used several times a day, using a fixed search cabin is a waste of space.

The Space-saving search cabin INTOS developed, takes only 18 cm in stored position. When the search cabin is needed, the employee easily unfolds the search cabin within seconds. The search cabin contains a curtain for privacy, a chair, a clothes hook and a shelf for glasses.

According to client's requirements, the following parts could be customized: front panel, curtain, signage.

Optional the cabin could be delivered in Fire Retardant quality.

The space saving search cabin will be shipped crated and includes a clear mounting guide. Therefore, it could be mounted easily by the airports' technicians. On request the cabin can be mounted by INTOS' own technicians.



ISTINOX

Stand no: Swiss Pavilion

www.istinox.ch

Aircraft Ground Energy System AGES

Based on years of experience, competent expertise and innovative ideas, IST offers the world's first totally integrated system for the supply of 400 Hz power and pre-conditioned air to aircrafts on ground: the Aircraft Ground Energy System AGES. Thanks to the availability of this system, the APU, with its poor efficiency of between 8-14%, remains off. Typical fuel savings of up to 90% can be achieved when compared to the fuel used by the APU. The emissions of CO2 and other pollutants are respectively reduced by 90% while the ramp noise level drops considerably.

AGES-Components:

- PCA-Telescopic Tube entirely in Stainless Steel
- PCA-Hose Reel entirely in Stainless Steel incl. Air Hose
- Rotatable Aircraft Coupling
- Suspension for Hose Reel(s) and 400 Hz Cable Coil(s)
- Point-of-Use AC-Units (POU ACU)
- Central Chiller Plants
- Air Handling Units (AHU)
- 400 Hz Power Units (Subcontractors)
- Incl. Engineering and Consulting



MAINI Group

Stand no: 8261

www.mainigroup.com

Maini Group, the leader in electrically operated in-campus material and people movement solutions has launched aircraft electric tow tugs of 8 ton capacity class. These tugs are best suited to tow small aircraft (business jets), baggage trolleys and ground support equipment weighing up to 8 tons.

Several commercial airlines have replaced the polluting diesel tractors with Maini Aircraft electric tow tugs for aircraft towing and towing of passenger baggage trolleys. This initiative supports the airports in reducing carbon footprints.

Maini's electric tow tugs are ergonomic and sport an interactive multi-function display. These tugs are customized with safety features for airport environment and are compliant with AHM (Aircraft Handling Manual).



MAINI Group
Stand no: 8261
www.mainigroup.com

Maini Group, the leader in electrically operated in-campus people movement solutions has launched for the first time in India a wheel chair buggy to transfer PRM (people with reduced mobility) in airport terminals and on the tarmac. As international airports across the globe are expanding, passengers need to move longer distances within the airport terminals. Reaching the boarding gate on time is always a challenge, as passengers are always pressed for time especially for senior citizens & PRMs due to their geriatric condition. Along with the PRM their next of kin can also be made to sit alongside comfortably with a special place for their hand baggage. Three escorts and 150kg baggage can be transferred with 2 PRMs apart from the driver.

Maini's wheel chair buggy is designed with consideration to ergonomic requirements and passenger safety features. It relieves stress and anxiety of the passengers with reduced mobility owing to reaching the boarding terminals on time, in the chaotic airport environment.

Since it can be made to carry 2 or more PRMs it increases the operational efficiency of the passenger handling agency/ concessioner.

It comes in 2 versions – For tarmac (airside) use and for passenger terminal applications.



Company: Selex ES
Stand: 6360

New product: Di-BOSS

With today's energy prices and focus on conservation and sustainability, intelligent airport terminal operators need systems that provide reliable, real-time data to make effective decisions.

Di-BOSS is the next-generation Digital Building Operating System Solution that optimizes energy consumption to save money and increase security without sacrificing comfort.

Di-BOSS continuously commissions data from multiple operating systems, floor-level occupancy, and ambient and forecast weather conditions. These data streams are integrated into a portable cockpit style control panel that provides complete visibility, from the owner and operator to the tenant.

The system integrates and analyzes the data streams to proactively recommend real-time system adjustments, identify inefficiencies, target preventative maintenance, and give early warning of potential system instabilities that could impact occupants.



SICK FZE
Stand no: 6261
www.sick.com

At the Dubai Airport Show 2014, we will be showcasing the SICK SENSOR SOLUTIONS FOR SELF-BAG DROP SYSTEMS for the first time in the Middle East. This system demonstrates SICK's competence in sensors and sensor solutions as an essential part of modern self bag drop systems.

The unit on display at the Show will demonstrate the key sensor-related functionalities of the system, including Height detection, Intrusion detection, Bar code reading, RFID reading (and writing), Image capture, Weighing, as well as the innovative SICK Visualisation Platform SVP (powerful software and graphical user interface). With such technologies integrated into one product system, it is evident that SICK is the competent partner for airport system integrators in all phases of a self bag drop application.



Smith-detection

Stand no: 7321

www.smithsdetection.com

HI-SCAN 6040-2is

Dual-view X-ray inspection for hand luggage

Our newest EU Standard 2 Type C approved X-ray system features automatic explosive detection and a new ergonomic interface for operators. Together with the high quality pictures this supports an easy and smooth operation, due to the compact footprint even in places where space is restricted.

Designed with flexibility in mind, discover what the HI-SCAN 6040-2is has to offer for your security needs.



TIMSAN

STAND NO: 8345

www.timsan-gse.com, www.timsanhidrolik.com, www.timsantraktor.com

CT8400

CT8400 Catering Truck for A380 which complies with EN Standards and AHM926, is specially designed to service to U1 door with a 2750 mm – 8400 mm service height range and van body, front platform lateral and longitudinal extension.

Thanks to its high volume and lifting capacity, the van body can carry 50 qty. of trolleys and lift up 4500 kg.

The durable scissors mechanism and chassis with H type vertical and horizontal stabilizing system which provide high stability up to 100 km/h wind speeds, are designed to withstand all static and dynamic loads acting by van body and harsh environmental conditions.

High quality proportional hydraulic system is provided for smooth, effective and safety operations in all conditions. Thanks to the CAN-BUS electronic control system which complies with EN 13849, the proportional movements and interlock systems can be controlled and also the actual positions of the superstructure, wind speed value and all diagnostic can be displayed by the HMI displays in the driver's cab and van body control panels.

Tail lift, shelves, van body cooling unit and custom paint and logo application are optional according to the customers' requirement.



Vestergaard

Stand no: 8330

www.vestergaardcompany.com

Horizontal movement on baskets on Vestergaard Lavatory Service Units

Vestergaard's Lavatory Service units are running successfully in Dubai International. The unit complies with the strictest relevant industry standards of health and safety. The spacious elevation basket on both the Vestergaard Lavatory Service unit and the Vestergaard Water Service units is easy to position, as it can move both vertically and horizontally. This ensures speedy operation and reduces risk of collision between service truck and aircraft when positioning.

