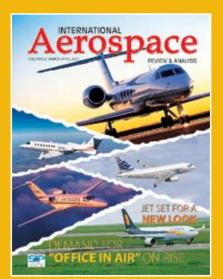
FROM THE PUBLISHERS OF

SHOW DAILY is Published by **SAP MEDIA WORLDWIDE LTD**

Airportshow

2-4 June 2008 Airport Expo Dubai



INTERNATIONAL AEROSPACE

Striking the right notes at the Dubai Airport Show in the Danish Pavilion

Royal Jordanian's Majali is new IATA Chairman

he International Air Transport Association (IATA) announced that Royal Jordanian Airlines CEO, Samer Majali, has commenced his one-year term as the Chairman of the IATA Board of Governors. Maiali succeeds Fernando Pinto. CEO of TAP Portugal who served as Chairman from June

Majali, is a 29-year veteran of the air transport industry who has served as CEO of Royal Jordanian since 2001. He ably led the airline through one of its most challenging periods as it prepared for a successful privatization. Majali takes on



Samer Majali, Chairman of the IATA

the duties of Chairman at a difficult time as the airline industry falls back into the red with fuel prices skyrocketing to unprec-

Contd. on page 05

Today's Programme

Ground Security

10.00 Chair opening address

Securing airports of the Future

10.10 Security for NLA (New Large Airports) determining future enhancements in Aviation Security Davanthe Athulathmudali, Director. Safety & Security, Dubai World Central

10.35 Securing Future Airports Ahmad Al Haddabi, Head of Safety and Security Abu Dhabi Airports Company

11.00 Global Harmonization of Avsec

· Why is harmonization necessary Difficulties in achieving harmonization

How to attain harmonization

· Role of International Agencies

Airports Authority of India

· Regional perspective M S Sharma, IPS, Director Security,

11.25 Implementation of biometric technology & enhancing security at Airports

Dr. Khaled Almazroui, General Manager Fujairah International Airport

11.50 Q&A Session

12.05 Technology is the key to improved security and passenger convenience at a low operating cost Michael Cavanaugh, CMO and General Manager, Product Management, GE Security, Homeland

12.35 Networking lunch

14.00 Passenger screening – how to meet international best practice Patric Marshall, Director, Europe, Middle East, Africa

14.30 Screening and detection systems for

· How effective are current screening systems

 Regulatory reforms needed for large airport terminals

Scanning people on the move

Next generation surveillance technologyExplosive detection systems

 Deployment of emerging technology such as millimetre wave, laser, QR, and terahertz technology Thomas J. Lang, Regional Manager Middle East ThruVision, LTD

15.00 Air cargo screening

Developing a multi-layered, risk-based approach to maintaining the security of air

 Explosive detection canine program
 Ashley Reeve, Managing Director, ACR Gulf Ltd Regional Manager Middle East, ICTS Europe Holdings BV

15.30 Networking break

16.00 Safeguarding throughput & passenger facilitation at the security

Contd. on page 05

Emirates College Signs MoU With Washington Consulting Group

mirates Aviation College (Aerospace and Academic Studies) has entered into a Memorandum of Understanding (MoU) with the Washington Consulting Group, to offer courses in Safety Risk Management and related fields, for aviation professionals.

Mohammed Al Budoor, the College's vice-chancellor, and Jeff Griffith, vice-president, the **Washington Group Consultancy,** signed the MoU at the Airport Show in Dubai yesterday.

Mr. Al Budoor said: "In tandem with the aviation industry's rapid growth and development, regulatory requirements often change



Emirates Aviation College Vice-Chancellor Mohammed Al Budoor signs the Memorandum of Understanding (MoU) with Jeff Griffith of the Washington Consulting Group

in order to meet operational and commercial pressures."

Recently, both the FAA and ICAO have released new

Contd. on page 02

Nagpur Airport: The Future is Here



R.C. Sinha, Vice Chairman & MD, MADC

he multi-modal International hub Airport at Nagpur (MIHAN) is an ambitious project which promises to put India firmly on the fast track to economic superiority. The project envisages India's fist international airport with passenger and cargo hub with an adjacent Special Economic Zone (SEZ) in the centre of India.

Speaking on Day Two of the Dubai Airports show at the Future airports conference, the vice-chairman and MD of Maharashtra Airport Development Company, Mr. R.C.Sinha, said that Nagpur was on course to becoming the next generation commercial aviation hub in India.

Sinha also announced that as part of the mega airport-Special Economic Zone project, Boeing had taken 7 acres of land for a MRO at Nagpur. Also, Duke Aviation Company (US) was going to develop another MRO on a 40-acre site. Max Aerospace had also moved to develop15 acres.

"273 aircraft fly over Nagpur everyday and we aim to pull

these flyers in and make Nagpur a place here people want to fly into". He also outlined that as part of the aviation revolution in Maharashtra, airports at Sholapur, Jalgaon, Shirdi and Amravati were being developed. The new mantra, he said, was public-private partnership.

Maharashta is considered the economic powerhouse of India. It is the top destination for foreign investment and also contributes the highest to the country's taxation and exports.

Nagpur, the second capital of Maharashtra has a strategic geographical location in India as well as on international aviation routes. It has connectivity to all parts of India by National Highways as well as main trunk rail routes. With a population of about 3 million, it is considered the second tier two city in India. Its unique central location makes it ideal for a passenger and cargo hub on the air routes between South East Asia and Middle East/Europe.

Against this backdrop, the MADC chief outlined how Mumbai airport "had reached a saturation point and that as that trend continues, Nagpur would ripen" like the oranges its famous for perhaps. "In fact, airlines are already preferring to go to Nagpur for a night halt", Sinha said. With all the infrastructure now in the pipeline, the new vision was that "supply will chase demand".

The boom in aviation growth has helped as well. There was 122% growth in passenger traffic last year.

With 3000 hectares under its control, the project of developing the existing Nagpur airport ino an International Airport meeting global standards is a

unique challenge.

The Multi-modal Airport would be connected to the Rail and Road Terminal for passengers and cargo, hence crating a multi-modal concept. The airport would consist of two parallel runways and a semi - circular terminal building admeasuring 3 million Sq. ft., which would cater to a projected traffic of 14 million passengers and 8,70,000 tons of cargo a year by 2030. The 4000 x 60 meter main runway at Nagpur will be capable of handling all kinds of planes and even those coming in the future. The government has already declared Nagpur as the only cargo hub in India and the Maharashtra government has given a grant to facilitate the project.

The SEZ adjacent to the Nagpur airport will be an added advantage and trigger development of various activities in the region, with ample business incentives, trade concession and above all one window operation creating an efficient environment, committed entirely to do business. This SEZ would consist of:

An Information Technology Park (I. T. Park) – Developing a state-of-the-art Information Technology Park covering an area of about 500 Ha., It would meet all the requirements of setting and operating an IT industry.

Health City: This would consist of a number of multi specialty hospitals providing super specialty treatments of international standard levied at Indian cost to meet the needs of not only the surrounding states but also the neighboring and other countries. It

would also consist of a training institute for nurses and medical technicians. With over 2000 beds, an air ambulance service will ferry patients within seven minutes. Although the physical transfer of the airport is awaited, the work is in full progress and 62% of the infrastructure was already in place.

The SEZ will add another 1.5 million to the population. "The airport and SEZ will feed each other, they are complementary," said Sinha.

The work of Internal Roads within the MIHAN Project is in progress. The total length of internal road network is about 51 km, along with storm water drains on both sides. The road network will be of 2, 3, 4 and 6 lane roads. The Main six lane entrance road is concrete road and other roads are bitumen roads. Construction of Flyover Interchange at the Junction of NH-7 and ROB across Central Railway Track which will lead to the MIHAN Project area is in full swing.

MADC is developing a dual water supply in MIHAN area. The raw water will be taken from Wadgaon Reservoir, which is about 34 km away from the MIHAN area. The total water demand is categorized as domestic and non-domestic demand to identify areas of reuse and recirculation of water.

The State-of-the-art Tele-communication Network has been designed for the MIHAN project in coordination with M/s. TATA Teleservices (Maharashtra) Ltd. The construction of telecommunication cable duct and laying of three 96 core Optical Fiber cable covering an area of about 51Kms is being carried out.

Emirates College Signs Mou With....

Contd. from page 01

Management Systems of both Airports and Air Navigation Service Providers.

"The Washington Group Consultancy comprise leading experts in these fields and we are pleased to enter into an MOU with them to offer specialist courses for the region's aviation professionals, with a strong focus on practical application."

Mr. Griffith said: "Emirates Aviation College is has a strong reputation and track record for quality training. We look forward establishing a long term and co-operative relationship with them to provide high-quality training tailored to

the needs of aviation professionals in the region."

The Emirates Aviation
College (Aerospace & Academic Studies) is licensed by
the Ministry of Higher Education and the Knowledge
and Human Development
Authority to offer Academic
and professional vocational

programmes in Aeronautical Engineering, Air Transport Management, Aerospace Engineering, Electronics & Computer Engineering, Business Management and Travel & Tourism Management, in addition to short courses in Management and the English language.

Air Traffic Control Meet Highlights Importance of Strategic Planning

ongested airspace, restricted flight paths and dated technical systems could undermine the potential of mega airports in the UAE and other parts of the Middle East, industry experts warned at the Air Traffic Control conference in Dubai on Tuesday.

Two senior representatives of one of the world's leading air navigation services providers said precise strategic planning was vital for the new generation of international airports in the region to overcome major threats to their effective-

In his opening day keynote address at the conference, which is being staged as part of the Airport Show at Airport Expo Dubai, Dieter Kaden, Chairman and CEO of DFS, the German air navigation services provider Deutsche Flugsicherung GmbH, spoke about the challenges and solutions involved in modernising airspace management.

"Air traffic is growing quickly in the Gulf region and throughout Asia," said Kaden, whose company coordinates 3.1 million aircraft movements in German airspace each year. "This will lead to complex and highdensity air traffic areas, which



Dietor Kaden, Chairman & Cheif Executive Officer

will challenge the existing air traffic control infrastructure and organisations."

The aviation industry has dealt with problems of crowded runways and limited seat capacity. However, as many speakers at the conference pointed out, new challenges such as congested airways and managing the growing number of air movements pose a threat to mega airports such as Dubai World Central's Al Maktoum International Airport, which will have six major runways when it opens.

These concerns were also expressed by Achim Bau-

mann, Gulf Regional Manager for Deutsche Flugsicherung GmbH, who spoke on the first day of the Airport Show, emphasising the crucial importance of involving air traffic control experts in the planning stages of new airport developments.

"Only a common and coordinated approach between all air traffic management stakeholders will lead to sustainable capacity growth," said Baumann, who outlined solutions for re-working airspace and route structure and said cross border communication was a key to minimising problems.

In a presentation on the 'future of air traffic management', Jeff Griffith, Executive Vice President and Chief Operating Officer of Washington Consulting Group, outlined 23 guidelines to minimise the impact of airspace congestion, allowing mega airports to reach their full

Explaining that UAE airspace is influenced by the aviation regulations of other countries, Griffith said: "Global airspace management initiatives are essential. Greater collaboration between the region's aviation authorities will result in more efficient airspace management by alleviating any competing interests in the region."

Organised by Streamline Marketing Group, this year's Airport Show attracted a record number of pre-registered visitors and delegates, an increase of 53 per cent on last year.

The show features four specialist conferences, including the two-day Future Airports conference. Tomorrow's **Ground Handling and Aviation** Security conferences will address a range of issues including the need to evolve each sector to meet the needs of future airports.

Hosts Systems Forges Partnership with Bayanat Airports Engineering & Supplies

ollowing a recent visit to the UAE by Michael Brunton, CEO, UKbased Hosts Systems Ltd., specializing in the manufacture and integration of mobile air traffic control towers, has announced the signing of a working agreement with Georges Hannouche of Bayanat Airports for representation in the UAE.

"We are delighted to reach an agreement with Bayanat Airports Engineering & Supplies for representation in the UAE," commented Mr.



Michael Brunton CEO, UK-based Hosts Systems Ltd

Brunton in welcoming the deal. "They have significant expertise in the aviation sector and have first-hand

knowledge of challenges facing the fast growing Middle East Airports," he observed.

Both Bayanat and Host are excited about the many possibilities and applications that Mobile ATC towers have in the UAE. Host Mobile ATC Towers are fully equipped to handle the same operational capability as a conventional tower during refurbishment or expansion of an existing tower. It also possesses an independent back-up system in the case of an emergency. Other applications include deployment at private airfields and rapid

deployment for military applications.

The Host Systems Mobile ATC Tower also provides a cost-effective solution to Air Traffic Control at small or private fields. The towers provide the same high level of equipment as a conventional tower including weather reporting, communications and surveillance, and can be fitted out for up to three operators.

The system can be easily deployed by sea or road and air trials are on. It can be deployed by 3-4 men in an hour.

Fujairah Airport Location Gives it the Edge

n his presentation at Airport Build and Supply. Dr. Khalid Almazroui, General Manager, outlines the importance of Fujairah International Airport.

Fujairah lies in the southeastern corner of the Arabian Peninsula, on the shores of the Indian ocean, over looking the gulf of Oman. Hence, the airport is an ideal location for long haul technical stops and serves as an ideal transit point for the Sea-Air cargo

Easily, UAE's most scenically attractive Emirate with its picturesque fortresses, dramatic mountain scenery. unspoilt beaches and a salubrious climate, Fujairah has become the weekend destination for locals and expatriates. Savs Almazroui, it is the climate that ensures there are no fogs at Fujairah Airport unlike the other Emirates. There are clear skies all year around, he points out.

With a strong commitment to trade and industry in the region, and an open policy towards the growth of its economy, Fujairah is fast becoming a renowned, commercial and industrial principality in the Emirates. Its cargo operations have won the Airport many awards.

The full-fledged cargo com-



Dr. Khalid Almazroui, General Manager, Fujairah International Airport

plex at Fujairah International Airport, with its fully automated cargo handling system, serves as a break bulk center, and takes in the input from the seaport and sees it on board cargo flights. Under the aegis of a single custom authority, clearance and forwarding operations are expected to be smooth, attracting greater volumes and making Fujairah a hub in global movement. Another principal area of promise is the Emirate's Free Trade Zone, which has been established in the port vicinity and offers some of the most attractive schemes and concessionary terms. The FTZ is even generating a broader base of export cargo.

At Fujairah International Airport, passenger service is

priority. The airport has made elaborate arrangements to ensure that passengers find the start and the culmination of their journey utmost convenient and pleasant.

Inside the modern terminal, there are several check-in counters at the departure side, each equipped with modern digital scales and a conveyor belt. Our courteous and experienced staff present a level of efficiency normally associated with long established airports.

Apart from the VIP and First Class lounges, there is a spacious departure hall, a restaurant and a Duty Free Shopping Complex, offering round-the-clock wide mix of merchandise, at prices competitive with other duty-free shops in the UAE.

Tourist attractions abound and the Emirate has variety of hotels, catering to all the tastes of both the business and leisure travelers and offer excellent facilities including diving. More hotels are also being planned. The travel trade operating in the region expects tourism into Fujairah and the East Coast to increase substantially with more holiday charters arriving at the airport. Transit passengers from technical stopovers as well as "shoppers" from the Indian subcontinent and C.I.S. countries are dramatically adding to the tourist traffic of the Emirate.

Fujairah is prominent among the Emirates and a favorite tourist destination. Trade opportunities are also abound in this part of the world, which is an incentive for investment and attracts businessmen and entrepreneurs alike. The strategic location of the Airport makes the main city perfectly accessible. Fujairah also has a thriving port, with a variety of light-to-large industries and successful agricultural ventures. In addition, the Emirate has seen the influx of some of the leading names in banking and insurance, and its free trade zone reflects Fujairah's progressive policies.

Some Rail Projects Face Multibillion-dollar Costs that make Their Future Uncertain

iding a proposed 13mile rail line from downtown Sacramento to the city's airport would take a few minutes longer than driving, according to a February report by the Sacramento Regional Transit District. That's because Sacramento International Airport sits next to an interstate highway and congestion "is relatively light," said Mike Wiley, general manager of the transit district.

Environmental benefits also are questionable. When the report compared building the rail line with vastly expanding local bus service, it found rail "would provide a small benefit to the region's air quality" because it would reduce overall driving by just 0.02%.

Wiley says people will take the train, which could be done by 2017, even if it takes longer than a drive because the rail line will have frequent, reliable service and will take passengers directly to the terminal. "People have a very strong willingness to use public transit as long as it doesn't add an undue amount of time," Wiley

About 10 rail systems now take passengers from city centers to airport terminals, usually in older cities such as Boston, Chicago and Cleveland. In other cities such as Los Angeles and Baltimore, rail lines stop a few miles from an airport where passengers board a free shuttle bus to terminals.

Many regions now considering rail to airports are newer and seeing massive growth in the suburbs around an airport.

"If it gets too complicated, people won't take advantage of it," said Carrie Bohnsack-Ware, spokeswoman for the Utah Transit Authority, which hopes to break ground this year on a 10-mile rail line from downtown Salt Lake City to the city airport. "It has to go to the terminal or it doesn't justify the cost.'

Maureen Riley, executive director of Salt Lake City International Airport, said the rail line will be "a huge asset" by giving passengers an alternative to driving to the airport.

In Phoenix, the region's first rail line will open in December

with a stop near Sky Harbor International Airport. In the short term, the airport will bus airline passengers to the terminal, 10 minutes away.

By 2013, the airport expects to build a small satellite terminal at the rail stop where passengers can print boarding passes, possibly check luggage and board an airport train to terminals. The mini-terminal and train are part of a \$1.5 billion project aimed at easing road congestion that could become intolerable, said airport assistant aviation director Jane Morris

"If you can't expand the roads," Morris said, "you have to look at high-occupancy ways to get people into the terminal and out."

Abu Dhabi Airport Services and Proveo: A Long-Standing Partnership

bu Dhabi Airport Services (ADAS) and Proveo have a long-standing partnership. Actually, the company was Proveo's launch customer for a pilot study in the Middle East. Last year ADAS decided to purchase a number of Trepel CHAMP 70 W high loaders, and combined the move with the set-up of a pilot installation of the Proveo Airport Visualiser. The Airport Visualiser enables users to monitor and control literally all asset-related processes on a single screen benefiting from real-time data and missioncritical reporting. ADAS' high loaders were equipped with Proveo's Infoman hardware device straight at the Trepel factory in Tauberbischofsheim (Germany) reducing the installation efforts on the ground in Abu Dhabi to close to zero. The Airport Visualiser helps ADAS to easily locate their loaders among the other 500+ motorised GSE in use on the apron at Abu Dhabi. Based on the good experience with Proveo, ADAS has recently decided to widen the scope of the pilot project and equip their entire fleet of 43 high loaders as well as three towed GPUs, three ACUs and a Douglas TBL with the Infoman hardware.

The project will start in May and is expected to go live during summer with a trial phase.

"Due to the rapid growth experienced at Abu Dhabi, ADAS needs to invest in systems that support the ground handling business and that provide the management team with accurate operational information. We were pleased to increase the scope of this pilot project over our peak summer period and look forward to benefits we will gain from the output as well as the ability to provide a business case for a full roll out", says Richard Backhouse, Assistant General Manager Strategic Planning, at Abu Dhabi Airport Services.

Abu Dhabi Airport Services was established in 1976 with the aim of improving the standard of aircraft ground handling in the emirate. Today, ADAS provides ground services in Abu Dhabi and Al Ain airports and at Al-Bateen, Delma and Al-Dhafra bases. At Abu Dhabi International Airport, ADAS provides services to over 40 airlines, including passenger, mixed and full freight services. ADAS has over 2,400 employees of various nationalities that are employed to cover the wide aspects of handling services.

3M Showcasing Passport Scanner for CUSS Kiosks

s a leading provider of travel and identity document readers for the CUSS kiosk market, 3M showcases its 3M Kiosk ePassport Reader for integration into the latest generation of Common Use Self-Service (CUSS) kiosks and automated gates. Used to facilitate the check-in process for airlines and automate identity processing for frequent travelers and at automated border control points, the new reader design is compact to comply with the latest designs of counter-top kiosks. The easy-to-use, ergonomic unit helps shorten the queues for travelers around the world.

The 3M Kiosk ePassport Reader provides top-of-the-line technology that supports the

scanning of e-passports regardless of chip location within the document, while also providing barcode reading for ID cards. Its machine-readable zone captures full-page images for rapid display and easy viewing. Check out a demonstration of the reader's use of 3M technology by 3M's technical marketing development manager, Roger Edwards, in the 3M booth.

3M brings more than 30 years of experience, a global presence, technical innovation and a strong customer focus to the secure document marketplace. 3M solutions cover a broad spectrum of enhanced travel and border security, including document issuance and border management.

Today's Programme

Contd. from page 01

- means of explosive threat containment units · Containment of suspect bags: The missing
- link in the screening process

 Is airport evacuation / closure a viable option in case of successful detection?
- Analyzing evacuation verses immediate containment
- Case studies from the Middle East, the US and Europe Marc Ottolini, CEO Aigis Blast
- Convergence of biometric and passenger data Thomas Marten, Vice President Government and Security Solutions, SITA
- 17.00 Bangkok Airport Case Study This presentation will show how to integrate and unify solutions in an aviation environment to best make use of the network, the existing infrastructure, hardware and various software systems so that the safety and operational needs Manager Southern Europe DVTel
- 17.30 How to secure, at lower cost, the passengers in a terminal without rebuilding Jean Marie Borelli, Inventor Ex Technical Director Nice Airport

17.50 End of conference

Ground Handling

- 10.15 Welcome Address Dr.Ghanem Al Hajri, Director-General, Sharjah International Airport Secretary
- 10.30 Keynote: Ground service industry future outlook Middle East and Asia
- How does the current aviation growth affect the ground handling industry
- Current challenges facing ground handling service providers
- · How is the global change in the ground handling industry affect regional service
- How does the ground handling industry Angus, Divisional Senior Vice President Associated Companies, Emirates Group
- 11.00 Evolving the ground handling industry for Future Airports
- providers in the Middle East, North Africa and South East Asia
- · How do ground handling service providers evolve their operational model for ensuring continued profitability
- How will the increasing importance of low cost carriers shape the ground handling industry?
- · What is the optimum operational model for
- servicing low cost carriers?

 Customer expectations, pricing and
- service delivery for future airports

 Developing viable partnerships
- Evolving safety management for ground service providers Naji Al Ajmi, CEO, National Aviation Service Alain Chapgie Secretary General, Aviance Captain Mohamed Ahmed, Director of Operations & Maintenance, Air Arabia Craig McBride, Manager Safety Compliance & Training, **DNATA Airport Services**
- 12.20 Q&A Session 12.40 Ground handling for corporate and private jets Captain David Ovey, Director Operation, Palm Aviation
- 13.00 Networking break Ground support equipment and fleet management for Future
- 14.00 Considerations for operating environmentally efficient ground support equipment Our industry is facing increasing pressures to reduce carbon emissions or face stricter penalties from governme We can make a contribution and reduce emissions on the ground by using environmentally efficient ground support

Today's Programme

equipment. To do so we must understand what changes will be required to reduce our carbon footprint without compromising operating efficiency.

- · What are the cost implications of running hybrid and electric vehicles versus standard equipment?

 What additional service requirements are
- · Can airport operators and airlines benefit
- and the reduced emissions

 What can be done to make it easier to use

Brian Sneyd, Director, Fleetserve

Ground Handling

- 14.30 Infrastructure investments that give a high return on investment
- · How we can invest and get a faster and smoother work situation around aircrafts on
- the ground?
 The latest experience with the A 380.
- How to be able to guarantee the delivery of cold PCair to the airplane? Michael Widegren, Group Vice President, Cavotec MSL Holdings Ltd.
- 15.00 GSE and operational optimisation through real-time ramp data The presentation gives an overview how fleet the real-time

requirements of airports and ground handlers for GSE localisation, tracking safety/security, asset and maintenance management as well as process optimisation. This presentation will

- provide an insight into How to reduce GSE operational costs and capital expenditure
- Achieving quality improvements and
- · Giving management utmost visibility and transparency of vital processes on the apron Oliver Schulz, General Manager, proveo Middle East FZC
- 15.30 Networking break

Passenger handling and service quality for

16.00 Managing and maintaining service quality in ground handling operations Alexander Manakos , Partner, Lufthansa Consulting GmbH

16.25 The Quality Airport one measurement is worth more than a

- thousand opinions. · How to measure quality - identify and
- pinpoint quality bottlenecks? · How can the service level of airports be measured automatically?

 • How can the airport identify compliance
- with service level agreements? The presentation will cover tool for identification of quality issues in the baggage and passenger flow, to pinpoint "quality bottlenecks" – and through this, identify and determine where improvements are either necessary or important. This presentation will help senior airport management identify key performance indicators and service level agreement compliance. Jan Kretzschmer, Director Airport Division, Lyngsoe Systems
- 16.45 Role of luggage sealing in Future Airports for increasing efficiency This presentation will discuss why luggage sealing is important for Future Airports, with comparative analysis and how does it result in increasing efficiency and reducing costs. Paul T.M. Rijkhoff, CEO, Seal & Go BV
- 17.00 Manpower management, safety and security for Future Airports
- · What will be the main safety issues for Future Airports?
- Training requirements for ground service
- Workforce management

Alain Chapgier, Secretary General, Aviance Lorena de Rodriguez, President, AviaEd

18.00 End of conference

Pakistan's Vision Of The Skies

n the midst of all the activity and announcements, it was a pleasant experience to hear AVM Sajid Habib, Deputy Director-General of the Pakistan Civil Aviation Authority (CAA) outline his country's aviation vision.

Commissioned in the Pakistan Air Force as General Duty Pilot in the year 1978, he has served in various disciplines of aviation with extensive background as a Flying Instructor and Aviation Safety Expert.

In his present assignment, besides overseeing the New Islamabad International Airport project, he is heading the technical upgrade and acquisition projects of the CAA.

Habib said the CAA mission was to "provide safe, secure and efficient best-inclass aviation services to the stakeholders" and the vision was to be a world-class service provider in the aviation industry with a futuristic approach.

To meet the current challenges with a futuristic approach, said Habib, restructuring of the PCAA was also ongoing.

The new aviation policy has been developed in consultation with all stakeholders. It is expected to bring about



growth in the aviation industry in consonance with ICAO Standards", he said.

The objectives were to serve national and public interests and allow market forces to determine the price, quality, frequency and range of air services options.

Part of the improvement plan was to encourage development of passenger and cargo hubs and regulate standards of services of airports and airlines Among the commercial development projects envisaged were airport cities initially at Karachi and Lahore

airports and subsequently, at New Islamabad International Airport.

Among things on the agenda were: aviation towers at Islamabad, focus on security and passenger handling facilities, expansion and renovation at different airports to facilitate the passengers and improvement of cargo and storage facilities at all major airports.

Habib said that after the Foundation laying ceremony of New Islamabad International airport in April 2007, design concepts and layouts had been finalized and tenders floated.

The earthwork / leveling was nearly completed the overall expected completion time was 2010.

Habib also spoke of the new Gwadar International Airport (NGIA) for which the CAA has acquired land at a site 26 km east of Gawadar City.

The Conceptual Master Plan of NGIA has already been developed. Work on other mega projects mentioned were up-gradation of Multan and Peshawar airports.

Other development projects include: Upgradation of runway for A-380 catagory aircraft at Karachi and Lahore airports; Upgradation of Civil Aviation Training Institute at Hyderabad; Extending necessary support and oversight role on the construction of Sialkot International Airport (private sector) and ILS at Quetta and Peshawar airports

Work was also on for upgradation of radar network to latest technological standards with a view to fill gaps; Replacement of Air Traffic Management System (ATM) and Voice Communication & Control System (VCCS) of both Area Control Centers at Karachi and

Abu Dhabi, **United Arab Emirates**

bu Dhabi Airports Company (ADAC), the owner-operator of Abu **Dhabi International Airport** (ADIA), today released its April 2008 traffic figures revealing a huge 40.9 percent increase in passenger traffic over the same month last year.

On the back of robust growth in Q1 2008 which saw an equally impressive 34 percent increase, the year-to-date figures (first four months) show a similar 35 percent boost in passenger numbers through the UAE capital's main airport.

Significantly, these figures are in stark contrast to international trends, as suggested by IATA (International Air Transport Association), with global growth rates up to 2011 predicted to grow at a far more modest 5.1 percent.

"There a number of factors responsible for the impressive

increases recorded in passenger traffic," said Rudy Vercelli, CEO - ADAC

"Firstly, we are feeling the effects of the capacity increases of Abu Dhabi's home airline, Etihad Airways; Secondly, there has been a marked increase in business-related travel as the growing conference and exhibitions sector has boosted business tourism to the UAE capital; And thirdly, from January this year we have seen the arrival of five new airlines operating through our airports," added Vercelli.

The new airlines having just started operations from ADIA in 2008 are Jet Airways (India), Nas Air (KSA), Fly Yeti (Nepal), MIDEX Airlines (Abu Dhabi) and Cargoitalia (Italy).

India – currently Abu Dhabi's largest market - also posted strong passenger increases (+41 percent) again

due to Etihad's capacity growth to destinations in South India and improved load factors on existing routes, as well as and the commencement of services with Jet Airways' services to New Delhi and Mumbai.

In total, Abu Dhabi International Airport handled over 703,000 passengers in April 2008 compared to the 501,000 in the same month the year earlier with total aircraft movements for the month showing a 17 percent upward trend.

ADIA also witnessed steady growth in its cargo operations with an 18 percent increase over the same month last year.

In other news, ADAC also released data detailing the top three destinations served out of Abu Dhabi – or 18 percent of total passenger traffic at the airport. The top destination was Doha, Qatar; closely followed by London, in the UK; with



Bangkok, Thailand, just edging out Cairo, Egypt, for the third most popular destination from the UAE capital.

The changing demographic and passenger profile demonstrates Abu Dhabi's increasing international reach and its growing connectivity to key destinations world-wide - this is a reflection of the growth of Abu Dhabi's home airline, Etihad Airways, and the ever increasing number of airlines attracted by Abu Dhabi Airports' strategic location and business approach," added Vercelli.

AAI Freezes Hike in Airport Charges to Help Airlines tide over bad times

eeling under the impact of a relentlessly rising fuel bill, carriers operating in Indian skies will heave a sigh of relief with the country's Airports Authority of India (AAI) announcing its decision to put a freeze on the entire spectrum of fees it charges passengers and airlines, reports Domain-b.com.

In an additional gesture, the AAI also said that the freeze will remain in place till the situation improves, or the price of Aviation Turbine Fuel (ATF) dips.

AAI's announcement will be a matter of great relief for carriers as the services provided by the country's airports manager constitutes the third largest component in their total costs. Services provided by AAI constitute 15% of the total operating costs of airlines, ranking third after the fuel and wage bills. Fuel accounts for 40% of all costs while wages come in second with 30%.

Services provided by AAI to domestic and international airlines includes passenger, terminal and aerodrome facilities that include parking, landing and air navigational services. AAI's charges include the Rs 225 passenger service fee on each ticket and parking and landing charges as per the weight of the aircraft.

While senior AAI officials confirmed that they had decided not to increase charges for passengers, airlines and cargo operations in order to cushion airlines from rising input costs, officials of the ministry of civil aviation also confirmed that an inprinciple decision had been taken to extend current user charges. Ministry officials said it was their perception that the scope for the aviation industry to absorb additional costs was exhausted.

Airlines are implementing a host of measures to cut costs, with ATF prices almost doubling to Rs 60, 468 per kilolitre from April 2005. These include dropping flights with poor passenger loads, postponing fleet acquisition plans, implementing e-tickets and negotiating commissions with travel agents to cut costs.

The industry is also contemplating measures such as charging for all baggage carried by passengers.

No Casual Matter

ueensland's border security could be compromised by a Customs decision to employ casuals to check airport passengers, say security analysts and unionists.

According to Couriermail, the Australian Customs Service will employ casual workers to conduct passport checks for outgoing passengers, beginning this month. More than 1300 jobseekers – some as young as 18 - have applied for 30 positions at Brisbane Airport and 10 at Coolangatta Airport. Television programmes such as Border Security are being credited with fuelling the eager response.

Opponents fear casual workers might not have the training and experience to make crucial decisions on security and passenger safety.

Queensland University of Technology security expert Sara Davies said casuals working a few hours a week might not be able to spot potentially dangerous passengers. "When we talk about safety on planes, we rely on very close examination of the person and what they have on them," Dr Davies said.

'You want a highly trained,

extremely responsible and loyal person doing that. "You don't want someone who has a little bit of knowledge and is straight out of school, where their last part-time job was at Woolworths." Community and Public Sector Union national organiser **Brooke Muscat said Customs** bosses were compromising security standards in a bid to cut down on overtime costs.

The CPSU is not opposed to the use of casuals for casual work. However, this is not casual work," Ms Muscat said.

"It is work which is done on a daily basis and performed by permanent officers.

"We believe Australians deserve a permanent and properly trained and resourced border security and this does not meet those standards."

Customs management have shortlisted 84 candidates for the role of "flexible employees", who will work as little as a few hours per week, and will also act as marshals and provide tourist refunds.

Airport sources have raised concerns about casual workers having access to sensitive and classified information.

Scandinavian Airports Lead the Way

new approach to flying has found a way to make aircraft landings cleaner and quieter. According to reports by Wired and Ice News, airports in Scandinavia are leading the way in the development of this new process.

Most carbon emissions. as well as the most noise, produced by commercial aircraft occurs when the plane is landing. That is, if the aircraft is landing using the traditional stepped approach.

The stepped approach involves reducing thrust as the plane begins its decent, increasing thrust to level off and continuing this process until the plane lands on the ground. The stepped approach is widely practiced at most airports; however the acceleration and deceleration

required to complete the task burns lots of fuel and creates noise.

The continuous descent approach not only cuts noise levels but it conserves fuel and decreases the plane's carbon emissions. It doesn't require equipment or new technology or large expenditures, but it does require air space - something many airports don't have.

Stockholm Airport is one of the many Scandinavian airports which allows airplanes to use continuous descent The airport has plans to increase the number of continuously descending planes to 30

Other airports, in Gothenburg, Malmo and Umea, also plan to use continuous descents during off-peak hours during the next three years.



Air Traffi c Data Systems & Engineering Services



A UK based company supporting the ATC industry in Europe, Africa, Asia, Caribbean, Middle East and beyond

+44 (0)1202 774 500 sales@copperchase.co.uk www.copperchase.co.uk







BUSINESS MADE SIMPLE

NORTEL

40G to 100G – What's All the **Fuss About Optical Gigabits?**

reventing a worldwide bandwidth crisis hangs by a thread - a fiber-optic thread thinner than a human hair yet filled with untapped potential.

And, that potential within each tiny fiber-optic thread is powerful enough to keep vast amounts of information like You Tube* videos flowing at the speed of light, when new network technologies meet the challenge of doing what many said couldn't be done.

Today's 10 gigabit per second (10G) optical networks form the high-speed, backbone core for communications, spanning nations and linking continents into a seamless global village. But these networks - filled with thousands of tiny, fiber-optic threads - are quickly evolving from the 'fiber glut' of unused capacity built out during the late 1990s dot. com boom to possible 'fiber crisis,' as the insatiable global appetite for bandwidth threatens to choke optical networks to a crawl

It's estimated that YouTube alone consumes as much bandwidth today as the entire Internet used in 2000, even before music downloads, online gaming and business uses like VoIP or videoconferencing are factored in. And, the trend to Hyperconnectivity - where everything that can be connected, will be - is already fueling huge increases in devices and applications accessing networks. Nortel estimates that by 2010 there will 10 devices connected to the network for every person using them, resulting in five billion connection

"Growing traffic patterns with the infusion of video are causing bandwidth constraints in carrier networks worldwide. This trend has the potential to starve new, innovative Internetbased websites, applications, and services of the bandwidth they need, as well as create problems for users accessing real-time content," says Michael Howard, principal analyst at Infonetics Research*.



Hassan Hamadani Middle East Marketing Manager,

With this unprecedented demand for bandwidth, it's little wonder carriers and service providers are starting to fuss over how to squeeze more gigabit capacity into their networks' fiber-optic threads. They're looking for affordable new technologies to boost current 10G networks to 40G, and then 100G capabilities that will keep Internet junkies satisfied with the real-time speed of their connections without jacking up subscriber fees to pay for expensive network upgrades.

"We take for granted all the great new things we can do in communications today and we don't want to worry about whether the network is going to let us down when we may need it most. We leave that to the service providers to worry about," says Philippe Morin, president, Nortel's Metro Ethernet Networks business unit. "But we're approaching the point where optical networks could hit a wall of limitations, governed by the basic laws of physics. And, if the quality of real-time communications is affected as a result, it'll get evervone's attention - fast."

All information like videos, VoIP and multimedia services is converted into tiny packets of light to be transmitted across the fiber-optic threads of optical networks. In the same way a highway can only carry so many cars traveling at high speeds before everyone gets backed up in a huge traffic jam, networks also have limits to how much high-bandwidth information can be transmitted. As networks reach these limits

for the gigabit capacity critical to quality, real-time communications, streaming video can freeze or a VoIP conversation gets garbled and starts to

Overcoming those limitations of physics in simple, affordable ways that many thought weren't possible just a few years ago, is where Nortel comes to the rescue. Backed by its 40-year pioneering history of R&D innovation with optical networks, Nortel has developed the industry's first optical technology that can deliver both 40G and 100G network capacity, enabling four times the network throughput immediately, while providing the foundation to simply and affordably increase capacity tenfold as required. For example, where a current network speed of 10G can support the bandwidth of 1000 HDTV channels simultaneously, that increases to 4,000 channels with 40G and 10,000 for 100G, speeding up downloads from hours to minutes.

Nortel's new 40G to 100G technology achieves these breakthrough milestones through simple 'plug and play' technology components added to existing 10G networks. The components allow carriers to get much more bandwidth from fiber already in use, without the need for new, expensive equipment to keep information powered up over thousands of kilometers. Other approaches require costly gear that can carry the information light signals less than half the distance of the Nortel technology.

'One misconception about the unused capacity within today's networks from the big build out of fiber in the late 1990s is that it could just be just be lit up to handle the surge in bandwidth demand," says Dino DiPerna, leader of Nortel's Metro Ethernet Networks R&D. "But not all fiber is created equal. While the quality of some fiber is fine at 2.5G or even 10G, it can distort communications signals at 40G and more. If, for example,

it's not perfectly round or the quality of glass isn't consistent, then the effectiveness of transmitting light signals can be reduced."

Also, when the increased amounts of information, or bandwidth, required to reach 40G is packed into the same fiber space as 10G, the different spectrums of light used to transmit it can overlap, mix together or bits lag behind. In the fiber-optic realm, where lasers are pulsing information out at billions of times per second, even one picosecond delay -- one millionth of one millionth of a second - can mess up the signal. The farther the light signal travels without passing through equipment that cleans it up and puts it back together, with a boost of speed for the next leg of its journey, the more distorted it becomes.

Rather than trying to make information go four times faster to reach 40G which makes fiber quality issues even worse, Nortel developed innovative approaches for packing four times the amount of information into the same 10G transmission speeds that already are working well in today's networks. For example, instead of 10 cars speeding together as one unit through one lane of highway, now 40 cars occupy the same space. And, similar juggling within light frequencies will get a 40G network to

But getting four times the information to its destination also means the equipment that cleans up the signals and keeps it powered over thousands of kilometers has to be super-fast and efficient to handle four times the amount of processing. With patent pending, Nortel invented a chip for electronic dispersion compensation (eDCO) that can figure out the errors in signals that developed over 2,000 kms, fix them and send a clean signal on its way.

"In 2005, when Nortel first announced eDCO - the approach we are taking for 10G, 40G, 100G - and the chip that

we were designing to make it possible, people said it couldn't be done, particularly using electronic techniques within less than perfect fiber," says DiPerna. "Researchers even published critical papers saving why our chip wouldn't work but we have 6,000 of them in use with customers today and they are functioning just as we planned."

Overall, operators are embracing Nortel's new 40G technology, creating momentum in the market with numerous network trials underway globally. Verizon Business recently purchased ultra long haul (ULH) optical equipment, which supports emerging 40G services, to enable

high-bandwidth applications and deliver increased network capacity across Europe. TDC Denmark's leading provider of communications solutions, is deploying a new 40G-ready optical solution initially to carry TDC European network traffic across the United Kingdom, the Netherlands and Germany. Neos, a leading service in the U.K., is deploying a 40G solution to provide bandwidth-on-demand to its customers.

The ground-breaking significance of Nortel's 40G to 100G solution is the result of innovation and perseverance from every one of the 130-person R&D team that has been driving its development for the

past few years.

DiPerna recalls how the path to Nortel's 40G solution actually began in the late 1990s when demand for bandwidth seemed to be almost limitless. "Nortel has a very long history of breaking through high-speed transport barriers," he says. "In fact, at Telecom 99 in Geneva, we demonstrated 80G transmission between Geneva and Paris. Although it proved we could reach those high speeds, we quickly realized that using traditional methods for achieving these higher bit rates was very complex and required significant extra cost and engineering to deploy. As a result, we fundamentally

changed our approach to 40G and higher speed optical transport development."

The strength of Nortel's optical portfolio has been our ability to innovate and introduce solutions that are truly disruptive in the marketplace," says DiPerna. "Our 40G technology is a great example of our team's ability to think completely out of the box to overcome technical issues our competitors thought were unsolvable with a 'never-takeno-for-an-answer' attitude. Customers are excited by our ability to offer a 40G deployable solution now, and they recognize it gives us a lead in breaking the 100G barrier as well."

Airports Rail Projects on Track

ven after Tampa International Airport converted two economy parking lots to six-storey garages, congestion remained a nightmare. But help might be on the way in Tampa - and in many other airports around the nation.

USA Today reports the airport set aside a 3.5-mile corridor on airport property for a light-rail system that it wants built to ease traffic.

"We don't want to continue building more and more and more parking," Tampa Airport executive director Louis Miller said. "We're totally out of room."

Many airports are finding themselves in a similar situation and are looking to new rail systems to ease roadway congestion and also to cut pollution by giving passengers and workers an alternative to driving.

In at least a dozen cities including Dallas, Denver and Seattle, transit agencies are

building or planning rail lines that would connect some of the nation's busiest airports to downtown areas up to 25 miles away. That could more than double the number of airports with rail service and make getting to an airport easier.

In Denver, the Regional Transportation District projects that a proposed 24mile light-rail line will take travelers from downtown to the city's airport in about 38 minutes — roughly the amount of time it now takes to make the drive. By 2025, the drive to the airport will take 50 minutes.

'What's really driving this is roadway congestion, the inability to add lanes and to add roads," said Dick Marchi, head of policy and regulatory affairs for the Airports Council International.

"High gas prices are a sweetener that makes rail more acceptable to the public."

BAA Airports to be Run by 'Tube Man'

AA has turned to the London Underground for a second time in a month to fill a key management position at the airports operator. The Spanish-controlled company said it had appointed Stephen Peat as managing director for a new division running six of the group's seven airports.

He will oversee Gatwick, Stansted, Edinburgh, Glasgow, Aberdeen and Southampton - all of BAA's airports except Heathrow.

According to UK's Tele-

graph daily, Mr. Peat joins on July 1 from Amey, itself part of Ferrovial, BAA's controlling shareholder. He is operations director at Tube Lines, the consortium partly owned by Amey that is responsible for regenerating the Jubilee, Northern and Piccadilly lines for London Underground.

His appointment follows that of Mike Brown, chief operating officer at London Underground, who will be BAA's new head of Heathrow.

Russian airlines switch to e-tickets?

ccording to the International Air Transportation Association (IATA), e-tickets are faster and safer than paper ones.

The IATA says they are more difficult to counterfeit. and can't be lost.

The organisation says the

move to e-tickets will save the industry up to \$US 3 billion dollars annually.

But Russia's major airlines say they will have to continue issuing paper tickets alongside electronic ones, as some smaller airports are still not ready for the change.

SHOW DAILY Tabloid Printed & Published by

SAP MEDIA WORLDWIDE LTD. (The Publishers of INTERNATIONAL AEROSPACE MAGAZINE)

Publisher / Editor: Trilok Desai Managing Editor: Bhavya Desai, Correspondents: Rojita Padhy, Director (Marketing): Aruna Desai Manager (Advertising): Laila Rupawalla Executive (Marketing): Somya Bubna Delhi Bureau: Amitabh Joshi (News Bureau Chief) Layout Artist: Shrihari Billa Production Manager: Manoj Surve Copy Desk: Puthiyaveetil Samvarnan, Sameer Gadkari



REGD. OFFICE: 13/D, Laxmi Industrial Estate, New Link Road, Andheri (W), Mumbai - 400 053. INDIA Tel: 91-22-2635 8083/84 Fax: 91-22-2630 5184/85 Email: sappl@bom8.vsnl.net.in, www.sapmagazines.com

DELHI OFFICE: F-22, Green Park, New Delhi - 110 016. INDIA. Tel: 91-011-26863028. Fax: 91-011-26863028. Email: sappl@nda.vsnl.net.in

SINGAPORE OFFICE: Sap Media Singapore Pte. Ltd. Merchants Building, 76, South Bridge Road , #03-00 Singapore - 058706 Tel. : (65) 62967613 / 64382341 / 64384881 Fax. (65) 64384886

Realities Of Air Traffic



he majority of the world's airports are non-towered, with no air traffic control presence. However, at particularly busy airports, or airports with other special requirements. there is an air traffic control (ATC) system whereby controllers (usually ground-based) direct aircraft movements via radio or other communications links. This coordinated oversight facilitates safety and speed in complex operations where traffic moves in all three dimensions. Air traffic control responsibilities at airports are usually divided into at least two main areas: ground and tower, though a single controller may work both stations. The busiest airports also have clearance delivery, apron control, and other specialized ATC stations.

Ground Control

This is responsible for directing all ground traffic in designated «movement areas,» except the traffic on runways. This includes planes, baggage trains, snowplows, grass cutters, fuel trucks, and a wide array of other vehicles. Ground Control will instruct these vehicles on which taxiways to use, which runway they will use (in the case of planes), where they will park, and when it is safe to cross runways. When a plane is ready to take off it will stop short of the runway. at which point it will be turned over to Tower Control. After a plane has landed, it will depart the runway and be returned to Ground Control.

Tower Control

This controls aircraft on the runway and in the controlled airspace immediately surrounding the airport. Tower controllers may use radar to locate an aircraft's position in three-dimensional space, or they may rely on pilot position reports and visual

observation. They coordinate the sequencing of aircraft in the traffic pattern and direct aircraft on how to safely join and leave the circuit. Aircraft which are only passing through the airspace must also contact Tower Control in order to be sure that they remain clear of other traffic

Traffic Pattern

All airports use a traffic



pattern (often called a traffic circuit outside the U.S.) to assure smooth traffic flow between departing and arriving aircraft. Generally, this pattern is a circuit consisting of five "legs" that form a rectangle (two legs and the runway form one side, with the remaining legs forming three more sides). Each leg is named (see diagram), and ATC directs pilots on how to join and leave the circuit. Traffic patterns are flown at one specific altitude, usually 800 or 1,000 ft (244 m or 305 m) above ground level (AGL). Standard traffic patterns are left-handed, meaning all turns are made to the left. Right-handed patterns do exist, usually because of obstacles such as a mountain, or to reduce noise for local residents. The predetermined circuit helps traffic flow smoothly because all pilots know what to expect, and helps reduce the chance of a mid-air collision.

At extremely large airports, a circuit is in place but not usually used. Rather, aircraft (usually only commercial with long routes) request approach clearance while they are still hours away from the airport, often before they even take off from their departure point. Large airports have a frequency called Clearance Delivery which is used by departing aircraft specifically for this purpose. This then

allows airplanes to take the most direct approach path to the runway and land without worrying about interference from other aircraft.

While this system keeps the airspace free and is simpler for pilots, it requires detailed knowledge of how aircraft are planning to use the airport ahead of time and is therefore only possible with large commercial airliners on prescheduled flights. The system has recently become so advanced that controllers can predict whether an aircraft will be delayed on landing before it even takes off; that aircraft can then be delayed on the ground, rather than wasting expensive fuel waiting in the air.

Navigational Aids

Standard Visual Approach Slope Indicator There are a number of aids available to pilots, though not all airports are equipped with them. A Visual Approach Slope Indicator (VASI) helps pilots fly the approach for landing.

Some airports are equipped with a VHF omnidirectional range (VOR) to help pilots find the direction to the airport. VORs are often accompanied by a distance measuring equipment (DME) to determine the distance to the VOR. VORs are also located off airports. where they serve to provide airways for aircraft to navigate upon. In poor weather, pilots will use an instrument landing system (ILS) to find the runway and fly the correct approach, even if they cannot see the ground. The number of instrument approaches based on the use of the Global Positioning System (GPS) is rapidly increasing and may eventually be the primary means for instrument landings.

Larger airports sometimes offer precision approach radar (PAR), but these systems are more common at military air bases than civilian airports. The aircraft's horizontal and vertical movement is tracked via radar, and the controller tells the pilot his position relative to the approach slope. Once the pilots can see the runway lights, they may continue with a visual landing.

Guidance signs

Airport guidance signs provide direction and information to taxiing aircraft and airport vehicles. Smaller airports may have few or no signs, relying instead on airport diagrams and charts.

There are two classes of signage at airports, with several types of each:

Operational guidance signs Location signs - yellow on black background. Identifies the runway or taxiway currently on or entering.

Direction/Runway Exit signs - black on yellow. Identifies the intersecting taxiways the aircraft is approaching, with an arrow indicating the direction to turn.

Other - Many airports use conventional traffic signs such as stop and yield signs throughout the airport.

Mandatory instruction signs

Mandatory instruction signs are white on red. They show entrances to runways or critical areas. Vehicles and aircraft are required to stop at these signs until the control tower gives clearance to proceed.

Runway signs - White on a red. These signs simply identify a runway intersection ahead.

Frequency Change signs

- Usually a stop sign and an instruction to change to another frequency. These signs are used at airports with different areas of ground control.

Holding Position signs

- A single solid yellow bar across a taxiway indicates a position where ground control may require a stop. If two solid yellow bars and two dashed yellow bars are encountered, this indicates a holding position for a runway intersection ahead; runway holding lines must never be crossed without permission. At some airports, a line of red lights across a taxiway is used during low visibility operations to indicate holding positions.

GALLERY OF AIRPORT SHOW 2008



(L-R) Georges Hannouche & Ragi Bejjani, of Bayanat



Khalifa Al Zaffin talking to visiter at DWC Pavilion



Visiter's ar Reytheon Stall



Marc Michel & James Crisp of BCS Automation Engineering



Abdul Razzak Mikati with visiter in serious discussion



Visiters at Nortrhop Grumann

DAY TWO Tuesday 3rd June 2008

Stand No. Stand No.		Tuesday 5 Julie 2			
ACP Cut Lunde Motaspala) Aprolate Motaspala (Mantapala) UK Blus Lines Environmental Toch LLC UK Blus Lines Environmental Toch LLC UK Blus Stream Environmental Toch LLC UK Blus Stream Environmental Toch LLC UK BUS Care Benefit (Appelle Company) France Book Stream Environmental Toch LLC UK BUYER AREGOPORT EPINAL MIRECOURT France Book Stream (France) Book Stream Environmental Toch LLC UK BUYER AREGOPORT EPINAL MIRECOURT France UK BUYER Appelle Model Execution UK Bourter Branch (Mantapala) UK Bourter Branch (Mantapala) UK Bourter Branch (Mantapala) UK Bourter Are 3M - PB Middle Exet Are	7	Name	Country Stand Nos	Name	Country Stand Nos
ACR-COM Limited UK		3M Rochford Thompson	UK		
Acudor Products (A) Mostanelan)		, ,		· · · · · · · · · · · · · · · · · · ·	
ADAC - Aut Disable Airports Company UAE Rond Communications UAE Unaine AIR DOPONT EPINAL MIRECOURT France Boroth Sestems UAE AIR DOPONT EPINAL MIRECOURT Boroth Sestems UAE C. C. M. and UK Boroth Sestems UAE C. C. M. and UK C. C. C. C. M. and UK C. C. C. C. M. and UK C. C. C. C. C. C. C. C. M. and UK C.					
APP Ingresiter (APP)					
AREOCORT EPINAL MIRECOURT APTEC AND BISS PROJECTION UK BOVER France Book Recovity Systems UR Applied Reduction UK BOVER Broadway Treatment) UR Broadway Treatment UK Broadway Treatment UK Broadway Treatment UK AN BAC A Chanad AS A CA Chanad AN IP-IP-IP-IP-INITIATE USA A CA Chanad AN IP-IP-IP-INITIATE USA AND INITIATE CAPA AND					
AFFEC UK Rapis Blast Protection (ACE Appar Bean Communications) USA Blast Rapid Careful Plant (ACE CO. M. aff and Appar Bean Communications (ACE CO. M. aff and Appar Bean Communications) USA CA Damaid Demands (ACE CO. M. aff and Apparent March Communications) UK Careful Plant (ACE CO. M. aff and Apparent Review of the Apparent					
Agig Blast Protection UK Broadway (Transnorm) UAE Agin Teck-com UK Butzhach Gmal Hangar Dorn Germany Af & RMX Industries INC (MacControls) USA CA Danaed ANS Demmark Af & RMX Industries INC (MacControls) USA CA Danaed Demmark A Franca Support Industries USA CA Danaed Demmark A Jona Strain UK Carlo Alpon Carlo (September 1972) Egypt Apports Cayloring Strain UK Carlo Alpon Company Egypt Apports Council International UK Carlo (Systems CEM Systems CEM Systems Apports Council International UK CEM Systems UK CEM Systems UK A Jaman Art Conditioning Trading Cot. Ltd LAE China Publis Security Journal France Al Sayageh Brothers LAE China Publis Security Journal France Al Sayageh Brothers LAE China Avadation Security Journal France Al Sayageh Brothers LAE China Avadation Authority of National Authority of N					
Aport Eventor Aport Evento		Aigis Blast Protection			
Air BP		=	UK		Germany
Air-ap-plane					
Automatic Support Industries Automatic Support Industries Egypt Automatic Support Industries Egypt Automatic Support Englishment still Automatic Support Industries Egypt Carmanan Technologies Corporation (GE Solier) Canada Gardy Apport Englishment California California California					•
Apport & Aviation Services (Sci Larkea) List (AAS); Sri Larkea List		•			
Apport Equipment str Italy					
Aprot Aprot Centrol Aprot Country Country Aprot Country Country Aprot Country					
Airportes Auronity of India (AAI) India Carvotee Middle East FZE UAE			•		
Aproposic China					•
Al Jaber Apph 14 Unbroams LL C			Switzerland	CEM Systems	UK
Al Jaber Asphati & Jubricants LLC JAE China Availation Security Journal Salary Brothers Al Sayegh Brothers LAE LAE Clast AltPORTS Finance LAE Clast AltPORTS Finance LAE Clast Althorous LAE LAE Clast Althorous L					
Al Mostapha Building Materials Trading Est UAE CLAT AIRPORTS France Al Sayugh Erothers UAE CLYG Courned UAE Al Shiraw Contracting (CCM) UAE CN/I Avaiton Authority Sudan Alles FZCO UK CN/I Avaiton Authority Uganda Alfabe (Courtach) UK CN/I Avaiton Authority Nepal Alfabe (Courtach) UK CN/I Avaiton Authority Nepal Alfabe (Courtach) UK CN/I Avaiton Authority Nepal Aljac Faciling Componets (Meggitt) UK CN/I Avaiton Authority Nepal Aljac Faciling Componets (Meggitt) UK CN/I Avaiton Authority Nepal Aljac Faciling Componets (Meggitt) UK CN/I Avaiton Authority Nepal Aljac Faciling Componets (Meggitt) UK CURL Avaiton Authority Nepal Aljac Faciling Componets (Meggitt) UK CURL Avaiton Authority Nepal Aljac Faciling Componets (Meggitt) UK CURL Avaiton Authority Nepal Aljac Faciling Componets (Meggitt) UK CURL Avaiton Authority Nepal					Hong Kong
A Shraw Chrotracting (CCM)		•			_
Al Shiraw Contracting (CCM)		, ,			
AA-Mula Group (Opentec)					
Ales FZCO Alfabs (Countach) UK Civil Aviation Authority of Nepal Aljabs (countach) UK Civil Aviation Authority of Nepal Aljabs (countach) UK Civil Aviation Authority of Nepal Aljabs (Countach) UK Aljabs (Englueras) UK Alpha Star Santanies & Tiles LLC UAE Alpha Star Santanies & Tiles LLC Alpha Star Santani					
Alfabe (Countach) UK Civil Aviation Authority of Nepal Nepal Aljac Fuelling Componets (Meggitt) UK Civil Aviation Authority Pakistan Pakistan Aljac Fuelling Componets (Meggitt) UK Civil Aviation Authority Pakistan Pakistan ALPHA 65 (Figueras) UAE Closall Co. LLC UAE Alpha Saure Trading (Bahraja Trading) CNA CNA Integrated Technologies LLC Singapore ALTO General Aviation Services GmbH Germany Cobham UK All Colosar Transportwielen B.V. Netherlands Japan American Science and Engineering, Inc. USA Consol (Bahraja) Japan Ammerican Stelench Holding B.V. Germany Combit Box System (Avicorp) Sweden Amis Cysterins, Koff Lighting) Australia Connect MENA F2E UAE Arison (Haven) USA Commany COMBITHERM GmbH Germany Are David Commonation (Linder Care) UAE Controllerar (Industries Care) UAE Are David Commonation (Linder Care) UAE Controllerar (Industries Care) UAE Are David Commonation (Linder Ca				•	
Ajac Fuelling Componets (Meggitt)		Alifabs (Countach)	UK	•	3
ALPHA 56 (Figueras)		Aljac Fuelling Componets (Meggitt)		•	•
Alpha Slar Saintaíreis & Tieles LLC UAE CNA Integrated Technologies LLC Singapore Alpha Source Trading (Bahraja Trading) LATO General Aviation Services GmbH Cermany Cobham UK American Science and Engineering, Inc. USA Combi (Bahraja) Japan Ammera Beltech Holding B.V Germany Combi (Gahraja) Japan AMT Datasouth Corporation (Opentec) USA Combi Box System (Avicorp) Sweden Ansul (Haven) USA COMBITHERM GmbH Germany Ansul (Haven) USA Contrace MENDA FZE UAE APC MGE UAE Contrace GmbH Germany Arosans (Gulf Business Foundation) UAE Contrace GmbH Germany Aropos Vip Private Handling srf UK Cooper (Haven) UK ARINC UK Corperchase Limited UK Assure Tec Systems Inc. (Opentec) USA COWI UAE Assure Tec Systems Inc. (Opentec) USA COWI Denmark Asta (Apports UK Crawford Middle East UAE Asta (Apports<				Clipsal Middle East FZC	
Alphasource Trading (Bahraja Trading) Alphasource Trading (Bahraja Trading) Alto General Aviation Services GmbH Amana Group UAE UAS American Science and Engineering, Inc. USA Apps (Half) Apps (Half) Apps (Half) Argue (Haven) UAE Contract GmbH Germany Arempa International Limited FZE (Caddie) UAE Argue Vip Private Handling stl UK Copper Crouse-Hinds LLC UK Arnold AG Argue Vip Private Handling stl UK Copper Crouse-Hinds LLC UK Arnold AG Argue Vip Private Handling stl UK Copper Crouse-Hinds LLC UK Arnold AG Assic Lighting Equipment UAE Courted United Corrosion) USA Courted United Corrosion) USA Courted United Corrosion) USA Courtach UK Copper (Middle East UK Crowcon (Haven) UAE Assicrates Systems Inc. (Opentec) USA COWI USA Courted Middle East UK Crowcon (Haven) UK Costerior Middle East UK Crowcon (Haven) UK Costerior Middle East UK Courted Middle East UK Corrowcon (Haven) UK Costerior Middle East UK Courted Middle East UK Courted Middle East UK Corrowcon (Haven) UK Costerior Middle East UK Corrowcon (Handoc) UK Cos		` • · · · · · · · · · · · · · · · · · ·			
ALTO General Aviation Services GmbH Germany UAE Colbnam UK Amana Group UAE Colson Transportwielen B.V. Netherlands Japan Amana Group UAE Colson Transportwielen B.V. Netherlands Japan Ammerala Bettech Holding B.V. Combi Glox System (Avicorp) Sweden Combi Box System Sweden Combi Box System Sweden Combi Box Sweden					
Amana Group American Science and Engineering, Inc. USA Combi (Bahraja) American Science and Engineering, Inc. Ammeraal Bettech Holding B.V Germany Combi Box System (Avicrop) Sweden CAMT Datasouth Corporation (Opentec) USA Ansul (Haven) USA Australia Australia Australia Apc MGE APC MGE UAE Contrace MENA FZE UAE Aronsul (Haven) UAE Contrace MENA FZE UAE Aronsul (Haven) UAE Contrace MENA FZE UAE Continental industrate—Marechal Electric (Avicorp) Germany Controlware Gribh Germany Controlware Gribh Germany Controlware Gribh Germany Copper (Haven) UK Copper (Haven) UK Arona (Gulf Business Foundation) UAE Aronas (Gulf Business Foundation) UAE Aronas (Gulf Business Foundation) UAE Aronas (Gulf Business Foundation) UAE Arona (Gulf Business Foundation) UAE Copper (Haven) UAE Copper (Haven) UK Copper (Haven) UK Copper (Haven) UK Copper (Haven) UK Copper (Javen) UK Copper (Ja					
Ammerala Beleten Holding B.V Germany Combi (Bahraja) Japan Ammerala Beleten Holding B.V Germany Combi Box System (Avloorp) Sweden AMT Datasouth Corporation (Opentec) USA Combi Box System (Avloorp) Sweden Ansi Systems (Asif Lighting) USA Contrac MEM FZE UAE Ansu (Haven) USA Contrac MEM FZE UAE APS Gulf UAE Contracement Combined Members of Combin					
Ammeraal Beltech Holding B.V					
AMT Datasouth Corporation (Opentec) Ansir Systems (Asif Lighting) Ansir (Haven) Australia Ansir (Haven) USA Ansir (Haven) USA Confinental Industria-Marechal Electric (Avicorp) France APC MGE UAE Contrac GmbH Control Ware GmbH Germany Arconas (Gulf Business Foundation) UK Arconas (Gulf Business Foundation) Arconas (Gulf Business Foundation) UK Astrological Gulf Business Foundation) Arconas (Gulf Business Foundation) UK Alas Telecommunication UK Alas Telecommunications UK Corparod (Madol East UK Alas Telecommunications UK Alas Telecommunications UK Audios Corpus (Graven) UK Aura Light International AB (Cavotec) UK					•
APSU (Haven) APC MGE UAE Contrace (SmbH Contrace (SmbH) Contrace (SmbH) Contrace (SmbH) Contrace (SmbH) Germany Arconas (Gulf Business Foundation) Canada Cooper (Haven) UK Arempa international Limited FZE (Caddie) UAE Cooper (Touse-Hinds LLC UAE Argos Vip Private Handling srl Italy Copperchase Limited UK Arnold AG Germany Cortec (United Corrosion) USA Asfl Lighting Equipment Assure Tec Systems Inc. (Opentec) USA CoWI Casada CoWII Casada CoWII Denmark Astac Astrophysics Europe Italy Crowcon (Haven) UK Altas Telecommunications UAE Coster (Curriantional (BAG) UK Altas Telecommunications UAE Coster (Curriantional (BAG) UK Altas Telecommunications UK Casademy Custers Hydraulica B.V. AudioSoft UK Cyrus Group (Caveto) UK Augier SA (COEM) Aurus Light International AB (Cavotec) Sweden Daimler AG Aurus Light International AB (Cavotec) Avarolan Academy Avery Hardoll Division of Meggitt UK Danish Airport Group Avaiton Canada Casademy Aviation Canada Casademy Aviation Canada Casademy Aviation Casademy Aviation Casademy Aviation Casademy Aviation Casademy Aviation Casademy Light India Aviation Parts & Support Corporation UAA Aviation Carol, Corporation UAA Darish Airport Group Denmark Aviation Darish (Shair and Partners) UAE Darish Export Association Denmark Aviation Darish (Shair) Denmark Darish (Shair) Denmark Darish (Shair) Denmark		AMT Datasouth Corporation (Opentec)	USA	COMBITHERM GmbH	Germany
APC MGE UAE Controware GmbH Germany Arconas (Gulf Business Foundation) Arempa International Limited FZE (Caddie) Arempa International Limited FZE (Caddie) UAE Cooper Crouse-Hinds LLC UAE Argos Vip Private Handling sri tlaiy Coper Crouse-Hinds LLC UK ARINC UK Corgan Dy. UK ARINC OTTO Countach Asif Lighting Equipment UAE Countach Asif Lighting Equipment UAE Countach UK Corword (Haven) UK Corword (Haven) UK Crowcon (Haven) UK Astrophysics Europe Italy Crowcon (Haven) UK Crowcon (Haven) UK CSE-International (BAG) UK Atlas Telecommunications UAE CTI Systems GmbH Germany AudioSoft UK Cyrus Group (Cavotec) UAE Augier SA (OCEM) Aura Light International AB (Cavotec) Sweden Aura Light International AB (Cavotec) UK Cyrus Group (Cavotec) UAE Autonica (Haven) Avalon Academy Avalon Academy Avalon Academy Aviation Consultants & Training Aviation Parts & Support Corporation UK Danish Airport Group Danarel Systems (Internet) Aviation Consultants & Training Aviation Parts & Support Corporation UK Danar Handasah (Shair and Partners) Aviation Consultants & Training Aviation Parts & Support Corporation UK Danar Handasah (Shair and Partners) Aviation Consultants & Training Aviation Parts & Support Corporation UK Danar Handasah (Shair and Partners) Aviation Consultants & Training Aviation Parts & Support Corporation UK Danar Handasah (Shair and Partners) Danar (Shair and Pa					UAE
APS Gulf Arconas (Gulf Business Foundation) Canada Cooper (Haven) UK Arempa International Limited FZE (Caddle) UAE Cooper Crouse-Hinds LLC UAE Argos Vip Private Handling srl ARINC UK Arond AG ARINC UK Arond AG Asil Lighting Equipment UAE Assure Tec Systems Inc. (Opentec) USA Corgan Dy. UK Corgan Dy. UK Assure Tec Systems Inc. (Opentec) USA COWI Astac UK Crawford Middle East UAE Astrophysics Europe Italy Crowcon (Haven) UK Crawford Middle East UK Crawford Middle East UK ASTO Aliports UK CSE-International (BAG) UK ASTO Aliports UK CSSE-International (BAG) UK AUSA-Keck GmbH Germany Custers Hydraulica B.V. Netherlands AudioSoft UK Auronica (Haven) Avalon Academy Avalon Academy Avalon Academy Avalon Consultants & Training Avaietion Consultants & Training Aviation Consultants & Training UAE Aviation Parts & Support Corporation UK Aviation Parts & Support Corporation UK Aviation Parts & Support Corporation UK Dariah Handassh (Shair and Partners) UAE Aviation Dariah (Bad) UK Dariah Handassh (Shair and Partners) UAE Aviation Dariah (Bad) UK Dariah Handassh (Shair and Partners) UAE Aviation Dariah (Bad) UK Dariah Handassh (Shair and Partners) UAE Aviation Dariah (Bad) UAE Aviation Dariah (Bad) UK Dariah Handassh (Shair and Partners) UAE Aviation Dariah (Bad) UAE Dariah Handassh (Shair and Partners) UAE Dariah (Bad) UAE Aviation Dariah (Bad) UAE Aviation Dariah (Bad) UAE Dariah (Bad) UAE Aviation Dariah (Bad) UAE Dariah (Ba					
Arconas (Gulf Business Foundation) Arempa International Limited FZE (Caddie) UK Argos Vip Private Handling srl ARINC UK ARINC UK Copperchase Limited UK UK ARINC UK Corgan Dy. UK ARINC UK ARINC UK Corgan Dy. UK Asif Lighting Equipment UAE Countach AssureTec Systems Inc. (Opentec) USA COWI Denmark Astac UK Astrophysics Europe Italy Crowcon (Haven) UK AStorphysics Europe UK ACSE-International (BAG) UK CYTUS Group (Cavotec) UAE AUGIOR SA (OCEM) Aura Light International AB (Cavotec) Sweden Daimler AG Aurared (Iavarn) Avalon Academy Avalon Academy India Dan Dryer A/S Danarel Systems (Opentec) UK AValon Consultants & Training UAE Danish Airport Group Denmark Avery Hardoll Division of Meggitt UK Dana Dryer A/S Danarel Systems (Internec) Aviation Consultants & Training UAE Danish Airport Group Denmark Aviation Consolutants & Training UAE Danish Export Association Denmark Aviation Consolutants & Training UAE Danish Export Association Denmark Aviation Consolutants & Training UAE Danish Export Association Denmark Aviation Consolutants & Training UAE Danish Export Association Denmark Aviation Consolutants & Training UAE Daisastrip Aviation Consolutants & Training UAE Daisastrip UK Data Capture Systems (Intermec) UAE Aviation Consolutants & Training UAE Daisastrip UAE Daisastrip UAE Daisastrip UAE Daisastrip UAE Daisastrip UAE Denmark DEBAS Electric (Schmidt) UAE Aviation Consolutants Denmark DEBAS Electric (Schmidt) UAE Aviation Consolutants Denmark DEBAS Electric (Schmidt) UAE Denmark DEBAS Electric (Schmidt) UA					•
Argos Vip Private Handling srl Italy Copper Crouse-Hinds LLC UAE Argos Vip Private Handling srl Italy Copper Chase Limited UK ARINC UK Corgan Dy. UK Arnold AG Germany Contec (United Corrosion) USA Asif Lighting Equipment UAE AssureTec Systems Inc. (Opentec) USA COWI Denmark Astac UK Crawford Middle East UAE Astophysics Europe Italy Crowcon (Haven) UK Art Gariports UK Art Gariports UK Art Gariports UK Art Gariports UK Crawford Middle East UAE Atta Telecommunications UAE CTI Systems GmbH Germany AUDAX-Keck GmbH Germany Custers Hydraulica B.V. Netherlands AudioSoft UK Augier SA (OCEM) France Cytech UK Aura Light International AB (Cavotec) Sweden Aura Light International AB (Cavotec) Avery Hardoll Division of Meggitt UK Avalon Academy India Dan Dryer A/S Aviation Consultants & Training Avaeth Ardoll Division of Meggitt UK Aviation Resource Ltd Aviation Zone (MADC) India Aviation Parts & Support Corporation UK Aviation Resource Ltd Aviation Dan Strain Sa Support Corporation UK Aviation Resource Ltd Aviation Dan Strain Sa Support Corporation UK Aviation Parts & Support Corporation UK Aviation Parts & Support Corporation UK Aviation Parts & Support Corporation UK Aviation Resource Ltd UK Aviation Dan Straining UAE Aviation Parts & Support Corporation UK Aviation Parts & Su					•
Argos Vip Private Handling srl Italy Copperchase Limited UK ARINC UK Corgan Dy. UK ARINC OVER CONTROL UK Corgan Dy. UK Armold AG Germany Contec (United Corrosion) USA Saf Lighting Equipment UAE Countach UAE AssureTec Systems Inc. (Opentec) USA COWI Denmark Astac UK Crawford Middle East UAE Astrophysics Europe Italy Crowcon (Haven) UK ASTOPHYSICS Europe Italy Crowcon (Haven) UK CSE-International (BAG) UK ASTOPHYSICS Europe Italy Crowcon (Haven) UK CSE-International (BAG) UK ASTOPHYSICS Europe UK CSE-International (BAG) UK CSE-International (BAG) UK ASTOPHYSICS Europe UK CSE-International (BAG) UK CSE-International (BAG) UK CSE-International (BAG) UK ASTOPHYSICS Europe UK CSE-International (BAG) UK CSE-International BD. Netherlands UK CSE-International BD. Netherlands UK CSE-International BD. Netherlands DAJDAX-Reck GmbH Germany Custers Hydraulica BD. Netherlands UK Cyrus Group (Cavotec) UAE UK CSE-International AB (Cavotec) UAE CSE-International AB (Cavotec) UK CSE-International DAS DENTAL ASSOCIATION DE					
ARINC UK Arnold AG Germany Cortec (United Corrosion) USA Asif Lighting Equipment UAE Countach UAE AssureTec Systems Inc. (Opentec) USA COWI Denmark Astac Astac UK Crawford Middle East UAE Astrophysics Europe Italy Crowcon (Haven) UK ATG Airports UK ATG Airports UK Atlas Telecommunications UAE AUDAX-Keck GmbH Germany Custers Hydraulica B.V. Netherlands AudioSoft UK Augier SA (OCEM) France Cytech UK Aura Light International AB (Cavotec) Sweden Autronica (Haven) Norway Damarel Systems (Opentec) UK Avarol Academy India Avarol Academy Dan Dryer A/S Aviation Consultants & Training UAE Aviation Resource Ltd Aviation Zone (MADC) India Aviation Zone (MADC) Aviation Arabes Support Corporation UK Aviation Aviation Parts & Support Corporation UK Aviation Datas Strip UK Aviation Aviation Parts & Support Corporation UK Aviation Aviation Abers & UK Aviation Aviation Parts & Support Corporation UK Aviation Aviation Aviation Parts & Support Corporation UK Aviation Aviation Aviation Parts & Support Corporation UK Aviation Aviation Aviation Aviation Parts & Support Corporation UK Aviation Aviation Parts & Support Corporation UK Aviation Aviation Aviation Parts & Support Corporation UK Aviation Aviation Parts & Support Corporation UVAE BABAB Doors (MADC) India Barts & Support Corporation UAE BABAB Doors (Malmaria Aviation) UAE Barts & Parts & Parts & Parts		• • • • • • • • • • • • • • • • • • • •			
Amold AG Germany Cortec (United Corrosion) USA Asif Lighting Equipment UAE Countach UAE AssureTec Systems Inc. (Opentec) USA COWI Astac UK Crawford Middle East UAE Astrophysics Europe Italy Crowcon (Haven) UK ATG Airports UK ATG Airports UK Atlas Telecommunications UAE AUDAX-Keck GmbH Germany Custers Hydraulica B.V. Netherlands AudioSoft UK Augier SA (OCEM) France Autronica (Haven) Norway Autronica (Haven) Norway Autronica (Haven) Norway Avalon Academy India Avared Hardli Division of Meggitt Avaidon Consultants & Training Aviation Parts & Support Corporation Aviation Consultants & Training Aviation Resource Ltd Aviation Association Aviation Association Aviation Dane Ltd Aviation Dane Ltd Aviation Dane Ltd Aviation Association Aviation Dane Ltd Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Dascarch Aviation Dascarch Aviation Association Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Dascarch UK Data Capture Systems (Intermec) UAE Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Association Aviation Association Dar Al Handasah (Shair and Partners) UAE Aviation Association Dar Al Handasah (Shair and Partners) UAE Dari		• •			
AssireTec Systems Inc. (Opentec) Astacy Astacy Astacy Astrophysics Europe Italy ATG Airports UK ATG Airports UK CSE-International (BAC) UK Atlas Telecommunications UAE CSE-International (BAC) UK AUBAC-Keck GmbH Germany AUDAX-Keck GmbH Germany AUDAX-Keck GmbH UK Cyrus Group (Cavotec) UAE Augier SA (OCEM) Aura Light International AB (Cavotec) Avarel Hardoll Division of Meggitt UK Avalon Academy India Avarel Hardoll Division of Meggitt UK Aviation Consultants & Training UAE Aviation Parts & Support Corporation Aviation Resource Ltd UK Aviation Aconsultants Aviation Abord Aviation Abord Aviation Abord Aviation Done Machae Aviation Done Machae Aviation Done Machae Aviation Abord Avia		Arnold AG	Germany		USA
Astrac UK Astrophysics Europe Italy Astrophysics Europe Italy Crowcon (Haven) UK ATG Airports UK CSE-International (BAG) UK Atlas Telecommunications UAE CTI Systems GmbH Germany AUDAX-Keck GmbH Germany AudioSoft UK Augier SA (OCEM) France Aura Light International AB (Cavotec) VAE Aura Light International AB (Cavotec) VAE Aura Light International AB (Cavotec) Aura Light International AB (Cavotec) VAE Aura Light International AB (Cavotec) VAValon Academy India Dan Dryer A/S Avery Hardoll Division of Meggitt VK Aviation Consultants & Training VAE Aviation Parts & Support Corporation Aviation Parts & Support Corporation VAiation Acone (MADC) Aviation Abosearch VIK Aviation Acone (MADC) Aviation Abosearch VIK Aviator SV Aviator VIK Aviator SV					
Astrophysics Europe Italy Crowcon (Haven) UK ATG Airports UK CSE-International (BAG) UK Atlas Telecommunications UAE CTI systems GmbH Germany AUDAX-Keck GmbH Germany Custers Hydraulica B.V. Netherlands AudioSoft UK Cyrus Group (Cavotec) UAE Augier SA (OCEM) France Cytech UK Aura Light International AB (Cavotec) Sweden Daimler AG Germany Autonica (Haven) Norway Damarel Systems (Opentec) UK Avalon Academy India Dan Dryer A/S Denmark Avary Hardoll Division of Meggitt UK Danish Airport Group Denmark Aviation Consultants & Training UAE Danish Export Association Denmark Aviation Parts & Support Corporation USA Darish Export Association Denmark Aviation Resource Ltd UK Data Capture Systems (Intermec) UAE Aviation Zone (MADC) India Datastrip UK Aviation JobSearch UK DC Deppelmayr Cable Car Austria Aviavox B.V. Netherlands DEBBAS Electric (Schmidt) UAE Aviavox B.V. Netherlands DEBBAS Electric (Schmidt) UAE Aviavox B.V. Netherlands DEBBAS Electric (Schmidt) UAE Aviavox B.V. Netherlands Denmark Denmark Axa Power APS Denmark DESCHAMPS France Aviura UK Densit Aps Denmark Axa Power APS Denmark DESCHAMPS France Badi Pintura (Colosall) Spain DIRICKX Groupe France Bahaja Trading LLC UAE DISYC S.A. DE C.V. Mexico Barcoview - Traffic Management - ATC (Bayanat) Belgium Barlaria Trading LLC UAE Douglas Equipment Ltd. (Generex) UK BCS Cornveyer Solutions Ltd. Austriai Dreger Consulting (Controlware) Belgian Trade Centre (Flanders) UAE Douglas Equipment Ltd. (Generex) UK BCS Ltd. (Ales) Belgian Trade Centre (Flanders) UAE					
ATG Airports UK Atlas Telecommunications UAE AUDAX-Keck GmbH Germany AudioSoft UK Cyrus Group (Cavotec) Augier SA (OCEM) France Aura Light International AB (Cavotec) Autronica (Haven) Aviation Consultants & Training Aviation Consultants & Training Aviation Zone (MADC) Aviation Jobsearch Aviation Jobsearch Aviation Search Aviaton Search Aviaton Pars Aviaton AB V. Aviaton AB V. Aviaton MADC) Aviation Jobsearch Aviation Pars Aviaton Description Aviation Description Aviation Jobsearch Aviation AB V. Aviaton Ab V. Aviat					
Atlas Telecommunications AUDAX-Keck GmbH Germany AUDAX-Keck GmbH Germany Custers Hydraulica B.V. Netherlands AudioSoft UK Augier SA (OCEM) France Cytech Aura Light International AB (Cavotec) Sweden Autronica (Haven) Avaron Academy Avalon Academy India Avaron Academy Avaron France Aviation Consultants & Training Aviation Consultants & Training Aviation Possure Ltd Aviation Possure Ltd Aviation Resource Ltd Aviation Zone (MADC) Aviation JobSearch Aviaton Academy UK Dan Dryer A/S Dan Dryer A/S Dan Dryer A/S Denmark Aviation Possure Ltd UK Danish Export Association Denmark Aviation Possure Ltd UK Data Capture Systems (Intermec) UAE Aviation JobSearch UK Data Capture Systems (Intermec) UAE Aviation JobSearch UK DCC Doppelmary Cable Car Aviator Aviator Besure Aviaro UK DEBBAS Electric (Schmidt) UAE Aviator Besure Aviaro Aviator Besure Aviaro Aviator Besure Belgium Digital Images Intl. Pty. Ltd. (Opentec) Barako Irenace Bahapia Trading LLC Barcoview - Traffic Management - ATC (Bayanat) Belgium Barsen International Bayanat Airports Engineering & Supplies UAE Dougla Equipment Ltd. (Generex) UK Belsilns Gowel Authority UAE Bublaing Dryer A/S Dunar Bull AR Dougla Equipment Ltd. (Generex) UK Dougla Equipment Ltd. (Generex) UK Belsilns Gowel Authority UAE Bublaing Trading LLC Barcoview - Traffic Management - ATC (Bayanat) Belgium Barsen International Bayanat Airports Engineering & Supplies UAE Bublaing Dryer Ltd. (Ales) UAE Bublaing Dryer Ltd. (Colontory UAE Bublaing Dryer Ltd. (Colontory UAE Bublaing Open Authority UAE					
AUDAX-Keck GmbH Germany Custers Hydraulica B.V. Netherlands AudioSoft UK Cyrus Group (Cavotec) UAE Augier SA (OCEM) France Cytech UK Aura Light International AB (Cavotec) Sweden Daimler AG Germany Autronica (Haven) Norway Damarel Systems (Opentec) UK Avalon Academy India Dan Dryer A/S Denmark Avery Hardoll Division of Meggitt UK Danish Airport Group Denmark Aviation Consultants & Training UAE Danish Export Association Denmark Aviation Parts & Support Corporation USA Danish Export Association Denmark Aviation Resource Ltd UK Data Capture Systems (Intermec) UAE Aviation Jobsearch UK Datastrip UK AviationJobSearch UK DCC Doppelmayr Cable Car Austria Aviatory Middle East UAE DEDIENNE AEROSPACE France Avtura UK DEBAS Electric (Schmidt) UAE Aviatra UK Densit Aps Denmark Axa Power APS Denmark DESCHAMPS France Axima Services Belgium Digital Images Intl. Pty. Ltd. (Opentec) Australia BAAB Doors (ME Insulation) UAE Disyos Spain DIRICKX Groupe France Bariaja Trading LLC UAE DISYC S.A. DE C.V. Mexico Barcovliew - Traffic Management - ATC (Bayanat) Belgium Bartsch International Germany BEJINNG BOWEl AIRPORT SUPPORT LTD. (Xinfa) UAE DORL Ales Disport Free Zone Authority UAE Belgian Trade Centre (Flanders) UAE DUbai Airport Free Zone Authority UAE		·		· · ·	
AudioSoft Augier SA (OCEM) France Cytech UK Aura Light International AB (Cavotec) Sweden Aura Light International AB (Cavotec) Autonica (Haven) Avalon Academy Autonica (Haven) Avalon Academy Avery Hardoll Division of Meggitt Aviation Consultants & Training UAE Aviation Parts & Support Corporation Aviation Parts & Support Corporation USA Aviation Parts & Support Corporation UK Aviation JobSearch Aviation JobSearch Aviation JobSearch Aviatory B.V. Aviatory Middle East Aviatory Middle East Aviatra Ava Power APS As Power APS As Pomer APS Belgiam Baha Boors (ME Insulation) Baha Boors (ME Insulation) Baha Boors (ME Insulation) Baha Boors (ME Insulation) Barts International Barts Bayanat Airports Engineering & Supplies BC Conveyer Solutions Ltd. BC Support Ltd. (Ales) Belgian Trade Centre (Flanders) Belgian Trade Centre (Flanders) Belgian Trade Centre (Flanders) Belgian Trade Centre (Flanders) UAE UK Dust Australia DSR Ltd. (Ales) UK Desa Autoria (Gless) UAE Dusta Albrort Free Zone Authority UAE					•
Aura Light International AB (Cavotec) Sweden Daimler AG Germany Autronica (Haven) Norway Damarel Systems (Opentec) UK Avalon Academy India Damarel Systems (Opentec) UK Avalon Academy India Dan Dryer A/S Denmark Avery Hardoll Division of Meggitt UK Aviation Consultants & Training UAE Aviation Consultants & Training UAE Aviation Parts & Support Corporation USA Aviation Resource Ltd UK Aviation Zone (MADC) India Datastrip UK Aviation JobSearch UK AviationJobSearch UK Aviation Besaurce Ltd UK Aviation Piddle East Aviator Description Aviation Besaurce Ltd UK Aviation Piddle East Aviation Description Aviation Besaurce Ltd UK Aviation Piddle East Aviation Description Aviation Piddle East Aviation Description Aviation Besaurce Aviation Piddle East UAE Aviation Description Aviation Piddle East UAE DEDIENNE AEROSPACE France Avitra UK Densit Aps Denmark Axa Power APS Denmark DESCHAMPS France Axima Services Belgium Belgium Baha Doors (ME Insulation) UAE Dilogos (Flanders) Belgium Baha Doors (ME Insulation) Baha Doors					
Autronica (Haven) Norway Damarel Systems (Opentec) UK Avalon Academy India Dan Dryer A/S Denmark Avery Hardoll Division of Meggitt UK Danish Airport Group Denmark Aviation Consultants & Training UAE Danish Export Association Denmark Aviation Parts & Support Corporation USA Dar Al Handasah (Shair and Partners) UAE Aviation Resource Ltd UK Data Capture Systems (Intermec) UAE Aviation Zone (MADC) India Datastrip UK AviationJobSearch UK DCC Doppelmayr Cable Car Austria Aviatox B.V. Netherlands DEBBAS Electric (Schmidt) UAE Aviatorp Middle East UAE DEDIENNE AEROSPACE France Avtura UK Densit Aps Denmark Axa Power APS Denmark DESCHAMPS France Axima Services Belgium Digital Images Intl. Pty. Ltd. (Opentec) Australia BAAB Doors (ME Insulation) UAE Dilogos (Flanders) Belgium Badri Pintura (Cloisall) Spain DIRICKX Groupe France BarcoView - Traffic Management - ATC (Bayanat) Belgium Diata (Emirates Group) UAE Bayanat Airports Engineering & Supplies UAE Douglas Equipment Ltd. (Generex) UK BCS Conveyer Solutions Ltd. Australia Dreger Consulting (Controlware) Belgian Trade Centre (Flanders) UAE Dubai Airport Free Zone Authority UAE		Augier SA (OCEM)			
Avalon Academy Avery Hardoll Division of Meggitt UK Danish Airport Group Denmark Aviation Consultants & Training UAE Aviation Parts & Support Corporation USA Aviation Resource Ltd UK Data Capture Systems (Intermec) UAE Aviation Jone (IMADC) India Datastrip DuK Dec Doppelmayr Cable Car Aviation Josearch Aviation Josearch Aviation Josearch UK DCC Doppelmayr Cable Car Aviation Josearch Aviatory Middle East UAE DEBAS Electric (Schmidt) UAE Aviatory Middle East UAE DEDIENNE AEROSPACE France Avtura UK Densit Aps Denmark Axa Power APS Axima Services Belgium BaAB Doors (ME Insulation) BAAB Doors (ME Insulation) UAE Diligos (Flanders) Belgium Bahraja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bartsch International Bayanat Airports Engineering & Supplies UAE Douglas Equipment Ltd. (Generex) Dermany BelliNG BOWEI AIRPORT SUPPORT LTD. (Xinfa) DuAE Dubai Airport Free Zone Authority UAE		· · · · · · · · · · · · · · · · · · ·			•
Avery Hardoll Division of Meggitt Aviation Consultants & Training Aviation Parts & Support Corporation USA Danish Export Association Denmark Date Capture Systems (Intermec) UAE Doctor Oppelmary Cable Car Dustrial Dustrial Dustrial Dustrial Dustrial Dustrial Dustrial Dustrial Dustrial Denmark DEBBAS Electric (Schmidt) UAE Densit Aps Denmark Denm		,	•		
Aviation Consultants & Training Aviation Parts & Support Corporation Aviation Resource Ltd Aviation Resource Ltd UK Dar Al Handasah (Shair and Partners) UAE Aviation Zone (MADC) Aviation JobSearch Aviati					
Aviation Parts & Support Corporation Aviation Resource Ltd Aviation Zone (MADC) Aviation Jobs (MADC) Aviation Jobs Search Aviavox B.V. DEBBAS Electric (Schmidt) UAE DEDIENNE AEROSPACE France Denmark Denmark DescHAMPS France Australia Besovices Belgium Dilogos (Flanders) Dilogos (Flanders) Belgium Dilogos (Flanders) Belgium Dilogos (Flanders) Belgium Dilogos (Flanders) Belgium Dilogos (Flanders) Dilogos (Flanders) Belgium Dilogos (Flanders) Dilogos (Flander					
Aviation Resource Ltd UK Aviation Zone (MADC) India Datastrip UK AviationJobSearch UAE DEBBAS Electric (Schmidt) UAE DEDIENNE AEROSPACE France Avtura Avtura UK Densit Aps Denmark Axa Power APS Denmark DescHAMPS France Axima Services Belgium Digital Images Intl. Pty. Ltd. (Opentec) Australia BAAB Doors (ME Insulation) UAE Dilogos (Flanders) Belgium Badi Pintura (Cloisall) Spain DIRICKX Groupe France Bahraja Trading LLC UAE DISYC S.A. DE C.V. Mexico Bisyco S.A. DE C.V. Mexico Bisyco S.A. DE C.V. Mexico Digital International Airport Diplouti Bartsch International Germany Donata (Emirates Group) UAE Bayanat Airports Engineering & Supplies UAE Douglas Equipment Ltd. (Generex) UK BCS Conveyer Solutions Ltd. Australia Dreger Consulting (Controlware) Germany BelJing Bowel Airport Free Zone Authority UAE					
Aviation Job Search AviaVox B.V. Avicorp Middle East Aviura Aviura AviaVox B.V. Aviura Aviura AviaVox B.V. Aviura Aviura Aviura Aviura Aviura Aviina Services Belgium Badi Pintura (Cloisall) Bariaja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bartsch International Bartsch International Bayanat Airports Engineering & Supplies BCS Conveyer Solutions Ltd. AviaVox B.V. Netherlands DCC Doppelmayr Cable Car Austria DEBBAS Electric (Schmidt) UAE Densit Aps Denmark DeschaMPS France Digital Images Intl. Pty. Ltd. (Opentec) Australia Dilogos (Flanders) Belgium DIRICKX Groupe France DISYC S.A. DE C.V. Mexico Dijbouti International Airport Djbouti Dijbouti International Airport Dijbouti Douglas Equipment Ltd. (Generex) UK BCS Conveyer Solutions Ltd. Australia Dreger Consulting (Controlware) Belgian Trade Centre (Flanders) UAE Dubai Airport Free Zone Authority UAE				Data Capture Systems (Intermec)	UAE
AviaVox B.V. Avicorp Middle East Avicorp Middle East Avtura UK Densit Aps Denmark Densit Aps Denmark Densit Aps Denmark Denmark Densit Aps Denmark Denmark Densit Aps Denmark Denmark Densit Aps Denmark Densit Aps Denmark Denmark Densit Aps Denmark Denmark Densit Aps Denmark Denmark Densit Aps Denmark Denmark Densit Aps Denmark Denmark Densit Aps Denmark Densit Aps Denmark Denmark Denmark Densit Aps Denmark Densit Aps Denmark Denmare					
Avicorp Middle East Avtura UK Densit Aps Denmark DESCHAMPS France Axima Services Belgium BAAB Doors (ME Insulation) Badi Pintura (Cloisall) Bahraja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bartsch International Bayanat Airports Engineering & Supplies BCS Conveyer Solutions Ltd. BUESCHAMPS Digital Images Intl. Pty. Ltd. (Opentec) Australia Dilogos (Flanders) DIRICKX Groupe DISYC S.A. DE C.V. Mexico Dijbouti International Airport Dijbouti Diptouti International Airport Diptouti Douglas Equipment Ltd. (Generex) UK Dreger Consulting (Controlware) DSR Ltd. (Ales) Dubai Airport Free Zone Authority UAE					
Avtura UK Axa Power APS Axima Services Belgium BAAB Doors (ME Insulation) Badi Pintura (Cloisall) Bahraja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bayanat Airports Engineering & Supplies BCS Conveyer Solutions Ltd. BCS Conveyer Solutions Ltd. Axa Power APS Denmark DESCHAMPS Digital Images Intl. Pty. Ltd. (Opentec) Australia Dilogos (Flanders) DIRICKX Groupe DISYC S.A. DE C.V. Mexico Dijbouti Dijbouti International Airport Dijbouti Dipouti Dipou					
Axa Power APS Axima Services Belgium BAAB Doors (ME Insulation) Badi Pintura (Cloisall) Bahraja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bartsch International Bayanat Airports Engineering & Supplies BCS Conveyer Solutions Ltd. BELJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) Belgium Digital Images Intl. Pty. Ltd. (Opentec) Australia Dilogos (Flanders) DIRICKX Groupe DISYC S.A. DE C.V. Dijbouti International Airport Dipbouti Douglas Equipment Ltd. (Generex) UK Dreger Consulting (Controlware) DSR Ltd. (Ales) Dubai Airport Free Zone Authority UAE		·			
Axima Services BAAB Doors (ME Insulation) BAGI Pintura (Cloisall) Badi Pintura (Cloisall) Bahraja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bartsch International Bayanat Airports Engineering & Supplies BCS Conveyer Solutions Ltd. BEIJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) Belgian Trade Centre (Flanders) Digital Images Intl. Pty. Ltd. (Opentec) Australia Dilogos (Flanders) DIRICKX Groupe DISYC S.A. DE C.V. DISYC S.A. DE C.V. Dijbouti International Airport Dijbouti Douglas Equipment Ltd. (Generex) UK Dreger Consulting (Controlware) DSR Ltd. (Ales) Dubai Airport Free Zone Authority UAE					
BAAB Doors (ME Insulation) Badi Pintura (Cloisall) Bahraja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bartsch International Bayanat Airports Engineering & Supplies BCS Conveyer Solutions Ltd. BEIJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) Belgian Trade Centre (Flanders) Dilogos (Flanders) DIRICKX Groupe DISYC S.A. DE C.V. DISYC S.A. DE C.V. Disyc S.A. DE C.V. Dijbouti International Airport Dijbouti Douglas Equipment Ltd. (Generex) UK Dreger Consulting (Controlware) DSR Ltd. (Ales) Dubai Airport Free Zone Authority UAE					
Badi Pintura (Cloisall) Bahraja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bartsch International Bayanat Airports Engineering & Supplies BCS Conveyer Solutions Ltd. BEIJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) Belgian Trade Centre (Flanders) DIRICKX Groupe DISYC S.A. DE C.V. Mexico Dijbouti International Airport Dijbouti International Airport Dijbouti International Airport Douglas Equipment Ltd. (Generex) UK Dreger Consulting (Controlware) DSR Ltd. (Ales) Dubai Airport Free Zone Authority UAE					
Bahraja Trading LLC BarcoView - Traffic Management - ATC (Bayanat) Belgium Bartsch International Bayanat Airports Engineering & Supplies BCS Conveyer Solutions Ltd. BEIJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) Belgian Trade Centre (Flanders) UAE DISYC S.A. DE C.V. Mexico Djibouti International Airport Dnata (Emirates Group) UAE Douglas Equipment Ltd. (Generex) UK Dreger Consulting (Controlware) DSR Ltd. (Ales) Dubai Airport Free Zone Authority UAE		Badi Pintura (Cloisall)	Spain	DIRICKX Groupe	_
Bartsch International Germany Dnata (Emirates Group) UAE Bayanat Airports Engineering & Supplies UAE Douglas Equipment Ltd. (Generex) UK BCS Conveyer Solutions Ltd. Australia Dreger Consulting (Controlware) Germany BEIJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) China DSR Ltd. (Ales) Hungary Belgian Trade Centre (Flanders) UAE Dubai Airport Free Zone Authority UAE		, .			
Bayanat Airports Engineering & Supplies UAE Douglas Equipment Ltd. (Generex) UK BCS Conveyer Solutions Ltd. Australia Dreger Consulting (Controlware) Germany BEIJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) China DSR Ltd. (Ales) Hungary Belgian Trade Centre (Flanders) UAE Dubai Airport Free Zone Authority UAE					
BCS Conveyer Solutions Ltd. BEIJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) Belgian Trade Centre (Flanders) Australia Dreger Consulting (Controlware) DSR Ltd. (Ales) Hungary Dubai Airport Free Zone Authority UAE			,		
BEIJING BOWEI AIRPORT SUPPORT LTD. (Xinfa) China DSR Ltd. (Ales) Hungary Belgian Trade Centre (Flanders) UAE Dubai Airport Free Zone Authority UAE					
Belgian Trade Centre (Flanders) UAE Dubai Airport Free Zone Authority UAE					3
		,			



Name	Country Stand Nos	Name	Country Stand Nos
Dubai Aviation City (DWC)	UAE	Honeywell Airport Systems Gmbh	Germany
Dubai Aviation Club (DCA)	UAE	Hort & Wessel	Germany
Dubai Cargo Village (DCA)	UAE	Host Systems	UK
Dubai Duty Free (DCA)	UAE	HTS Worldwide (FAC)	UK
Dubai International Hotel (DCA)	UAE	Hummel GmbH & Co. KG	Germany
Dubai Logistics City (DWC)	UAE	HYDRO-Geraetebau GmbH & Co. KG	Germany
Dubai Police/Avsec centre	UAE	Hygood (Haven)	UK
Dubai Technology Partners LLC	UAE	IAVNA -International Airport Visual &	UK
Dubai World Central	UAE	Navigational Aids Ltd (Asif Lighting)	
DV Tel	UK	ICC	UK
Eastern Trading (Tyco Thermal)	UAE	ICM	Germany
ecoGSE GmbH (Proveo)	Germany	ICM Airport Technics (DTP)	Germany
Efaflex GmbH & Co. KG	Germany	IER	France
Efla	Finland	Ikan Media Fz LLC/Construction World (ME)	India
EGIS AVIA	France	Ikusi - Angel Iglesias, S.A.	Spain
Egsa Alser - Algeria Airports	Algeria	Industry Networks	UAE
Electrophysics (Atlas Telecom)	UK	INECO-TIFSA	Spain
Elgin Sweepers (Generex)	USA	Infinova (Zio)	USA
Emirates Airline (Emirates Group)	UAE	Infologic Nederland B.V (Al Sayegh)	Netherlands
Emirates Glass LLC	UAE	Inform GmbH	Germany
Emirates Group Emirates Neon Group	UAE UAE	Ingersoll Rand Security Technologies	UAE
EMPIC GmbH (Munich Airport)	Germany	Insight Media/Airport World & Asia-Pacific Airports Inter-Roller Engineering Limited	UK Singapore
Enav	Italy	Interlabels	UAE
Energy International Corp - Aviation Division	UAE	Internaces Internaces Internaces Internaces Internaces	UAE
Ensto Czech (Transcon)	Czech Republic	International Air Transport Association	Canada
ERA Corporation	USA	International Security Technology Ltd. (Opentec)	
ERNI Licht-Technik AG (NIVATEC)	Switzerland	ITP Business Publishing/Aviation Business & CW	
ESR Technology FZCO	UAE	Jane>s International Airport Review	UAE
Eubiq Middle East FZC	UAE	JBK-BICC (Tyco Thermal)	Qatar
Euroforniture s.r.l.	Italy	Jeppesen Australia Pty Ltd. (Bayanat)	Australia
Eurotec Projects Development (AXA Power)	Denmark	Jewers Doors Limited	UK
Excel Industrial Co. Ltd., Exhibitions India	UAE India	Kabul International Airport	Afghanistan
ExtraCo Fibre Glass & Prefab Houses LLC.	UAE	Kaphs S.A. Kazarooni Trading Company (Wanzl)	Switzerland UAE
FAC (Farnborough Aerospace Consortium)	UK	Keri Systems Incorporated (Zio)	USA
Fahrion Produktionssteme GmbH & Co. KG	Germany	Key Publishing/Airport International	UK
Ferfor (DTP)	Spain	Khartoum New International Airport (KNIA)	Sudan
FiberNet (United Corrosion)	Italy	King Hussein International Airport	Jordan
Figueras International Seating S.A	Spain	KLIA INFORMATIK SDN. BHD	Malaysia
FKI Logistex	Denmark	Koninklijke Boon Edam Group Holding B.V.	
Flames (Avicorp ME)	USA	Kusch+Co Sitzmobelwerke GmbH & Co KG	Germany
Flanders Investment & Trade	Belgium	L-3 Communications Lavi Industries - Beltrac (Generex)	UK USA
Flowcon International	Denmark	Lechmotoren GmbH	Germany
Flughafen Munchen GmbH (Munich Airport) Fluid Control Trading	Germany UAE	Lenzlinger (Fahrion)	Germany
Flyport development GmbH	Germany	Leoni-Studer Cable (Energy Intl.)	Switzerland
FMC Technologies	UAE	LG Electronics (Al Sayegh)	Korea
FOD BOSS (Generex)	Australia	Lindner AG Lindner Airports	Germany
Frequentis AG	Austria	Logan Teleflex (Axima)	UK
FS Walker Hughes (Bayanat)	UK	LORD INGENIERIE	France
Fujairah International Airport	UAE	LS Leaderflush Shapland (Al Mostaqbal)	UK
Fyber Sens (Atlas Telecom)	USA	Luxcom Technologies (Bayanat)	Canada
GATE - German Airport Technology & Equipmen	-	Lyngsoe Systems MACE (Royal Boon Edam)	Denmark UAE
GATE GSE	France	Macron Safety Systems (Haven)	UK
GBA Products (Meggitt)	UAE Saudi Arabia	Magnatech (Portec)	
General Authority of Civil Aviation (GACA) General Civil Aviation Authority (GCAA)	Saudi Arabia UAE	Maharashtra Airport Development Co. Ltd	India
General Civil Aviation Authority (GCAA) General Civil Aviation Authority (GCAA)	Lebanon	Mak Controls & Systems Private Limited	India
GERFLOR	France	Marantec (ME Insulation)	USA
German Airport Technology and Equipment (GATE)	Germany	Materna	Germany
German Federal Ministry of Economics & Technology	Germany	Matteograssi	UAE
GeSecurity	UAE	MEA Polymer Beton B.V.	Netherlands
GESolar FZ LLC	UAE	Media One Media One	UAE UAE
Gilardoni SpA	Italy	Media One	UAE
Glidepath	New Zealand	Mediterranean Building Materials (Zoeftig & Co Ltd)	UAE
Globe Uniforms IIc	UAE	Megadoor (Crawford)	USA
Goldhofer Aktiengesellschaft Group 4 Securicor	Germany UAE	Meggitt Fuelling Products	UK
Gulf Airports Services Association	UAE	Mercator (Emirates IT) {Emirates Group}	UAE
Gulf Business Foundation	UAE	MEYERINCK (Cavotec)	Germany
Hale Hamilton (Valves) Ltd	UK	Middle East Insulation LLC	UAE
Hamburg Messe & Congress	Germany	Ministry of Transport & Aviation	Afghanistan
Harlan Global Manufacturing (Avicorp)	USA	Mototok International GmbH (Alto)	Germany
Haven Fire & Safety LLC	UAE	MULAG Fahrzeugwerk Multi Electric	Germany USA
Helios Technology Ltd. (FAC)	UK	Munich Airport International	Germany
Herz	Austria	MUSTHANE	France
Hoart & Wassel (Opentes)	USA	NAFFCO	UAE
Hoeft & Wessel (Opentec) Honeywell (BAG)	Germany UK	Nagpur Airport (MADC)	India
	,		

Name of the state	Country Otand Nac	Nome	Country Stand No.
Name	Country Stand Nos	Name	Country Stand Nos
Nagpur Cargo Hub (MADC)	India	Silk Road Gen Trading	UAE
National Paints Factories Co. Ltd. National Tiles & Block Co. Ltd	UAE	Skysoft - ATM	Switzerland
National Trading & Projects Co.LLC (AXA Power	UAE C) Oman	Smart Approach SMG	UK UAE
NATS	UK	Smith Detection	UAE
NAVCONTROL	France	Snead and Associates	USA
Nedap Middle East	UAE	Solid Stone (Countach)	India
Nedap N.V.	Netherlands	Sovereign Publications Ltd.	UK
Neenah Foundry Co. (Al Mostaqbal)	USA	Spanish Embassy	UAE
Netherlands Airport Technology	Netherlands	Strojexport A.S (Transcon)	Czech Republic
Newronge Enterprises Company NIVATEC EUROPOLES	China Germany	Subway International BV	USA
Nivatec Europoles	Switzerland	Superior pipeline Fittings	UK
Nortel	UAE	Superior Pipeline Fittings (Al Mostaqbal)	UK
Northrop Grumman Mission Systems	UAE	Syrian Civil Aviation Authority Systems Controls Limited	Syria New Zealand
Novoferm Bgt (ME Insulation)	Netherlands	Systems Interface	UK
OCEM Spa	Italy	TAC Europe (FAC)	UK
Omega Professional SRL Ooms Airport Technology Services	Italy Netherlands	Taha Al Fahim Group (Gilardoni)	UAE
Opentec Systems	UAE	Tailor Made Systems Ltd. (Bayanat)	UK
ORTEC B.V.	Netherlands	TCR Intl. (Flanders)	Belgium
Pacific Control Systems LLC	UAE	Techno Sky S.r.l.	Italy
Panasonic	UAE	TechtradeDoors	Lebanon
Panduit	UK	Tecnomech s.r.l.	Italy
Park Air Systems (Bayanat)	UK	Tedopres Asia Pte Ltd Tensator	Singapore UK
Pascall & Watson	UK	THALES	France
Perma Pipes Middle East Permatex Middle East Trading (Sika)	UAE UAE	Thyssen Krupp	UAE
PERT Engineering (Portec)	Hong Kong	Thyssen Lifts & Escalators LLC	UAE
Petroliam Nasional Berhad	Malaysia	Tiger Profiles & Insulation LLC	UAE
Phoenix Metal Products (Generex)	USA	Timsan	Turkey
PML Plast GmbH	Sweden	TLD Europe	France
Portec Flomaster	USA	TMS Photometrics Ltd. (Asif Lighting)	UK
Proveo GmbH	Germany	TOPEX	Romania
Pyrolave (Countach)	France	Topsystem Systemhaus GmbH	Germany
Pyrotenax (Tyco Thermal Controls) Qeshm International Airport	UK Iran	Touch Aviation (BAG) TQ Systems (Munich Airport)	UK Germany
QinetiQ Airport Technologies	UK	Tracetek- Raychem (Tyco Thermal Controls)	Belgium
Queen Noor Civil Aviation	Jordan	Transcon Electronic Systems Ltd	Czech Republic
Qurum International LLC (Aigis Blast)	UAE	TRANSNORM SYSTEM GmbH	Germany
R W Armstrong + Associates	UAE	Tranzeo Inc. (Opentec)	Canada
Rapid Access	UAE	TREPEL Airport Equipment GmbH	Germany
Ras Al Khaimah International Airport	UAE	Tridum (Pacific Controls)	USA
Raytheon	USA	Trilectron	USA
Real Time	UK	Tunisian Civil Aviation and Airport Authority (OACA)	Tunisia
Red Box (Avicorp ME) Regula (Atlas Telecom)	UK Uzbekistan	Tyco Thermal Controls	UAE
Remote Control	UK	U.A.E Contractors Association/Contractors News	
RESA	France	UAE General Civil Aviation Authority UBi France	UAE France
Resalco (ME Insulation)	Netherlands	UFA Inc (Munich Airport)	Germany
RGB Consulting (C.C.M.)		Ufis-AS (DTP)	Austria
RHS Italia Spa	Italy	ULMER AERONAUTIQUE	France
Rice Lake Weighing Systems	USA	Unimark Inc. (Opentec)	USA
Ricochet AS (Bayanat) Rochford Thompson (Opentec)	Norway UK	UnionCamere Lazio	Italy
ROTOMOULDING (Cloisall)	Austria	United Corrosion Technologies	Jordan
ROYAL TARGET GENERAL TRADING (Gilardoni)	UAE	United Security	UAE
S.T.E. Servizi Tecnici per I Elettronica S.p.a.	Italy	USIMAT-SERMEES	France
SABA Dinxperlo B.V.	Netherlands	Van Der Graaf Vanderlande Industries Nederland b.v.	Canada Netherlands
Saco Airport Equipment B.V.	Netherlands	Vestergaard Company	Denmark
Safegate Group	UAE	Viessman Kaltetechnik	Germany
SAMIFI SAP Media Worldwide Limited	France India	Vision pacific Co	Thailand
International Aerospace	india	Vitrociset Spa	Italy
SAT Consult (Transcon Ltd.)	Germany	Wanzl Metallwarenfabrik GmbH	Germany
Satam / Bin Seddig International	UAE	Water Blasting Technologies	USA
SBAC /BAG	UK	Weber (Asif Lighting)	
Schmidt Airport Equipment GmbH	Germany	Weigel Hochdrucktechnik GmbH & Co. KG	Germany
Schopf Maschinenbau GmbH	Germany	Weihai Guangtai Airport Equipment Co. Ltd. WIBE AB (Cavotec)	China Sweden
Seal & Go B.V.	Netherlands	Wilson Engineering	New Zealand
SeaTrail LLC	UAE	Wings Electro (Avicorp)	USA
Segway	UAE	Workbridge A/S	Denmark
Selex Sistemi Integrati Sell2Arabia	Italy UAE	World Check	UK
Sensis Corp. (Bayanat)	USA	Xinfa Airport Equipment Ltd.	China
Sharp Middle East (DTP)	Japan	Zacher (C&J Engg)	Germany
Shenzhen CIMC Tian Da Airport Support Ltd	China	Zamil Steel	Saudi Arabia
Sialkot Intl Airport Ltd. (SIAL)	Pakistan	Zeiss (Atlas Telecom) Zio Technologies LLC	UK UAE
Sichuan HSQ Cooling Equipment Co. Ltd	China	Zoeftig & Co Ltd	UK
Siemens Airports	Germany	Zuhair Fayez Partnership	Saudi Arabia
Sika Korrosionsschutz GmbH	Germany	,	