



# AIRPORT MODERNIZATION SUMMIT

2 - 3 October 2016, Four Seasons Hotel Riyadh, Kingdom of Saudi Arabia

Official Co-Host



الهيئة العامة للطيران المدني  
General Authority of Civil Aviation

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## Why Airport Modernization in Saudi Arabia? The Summit overview

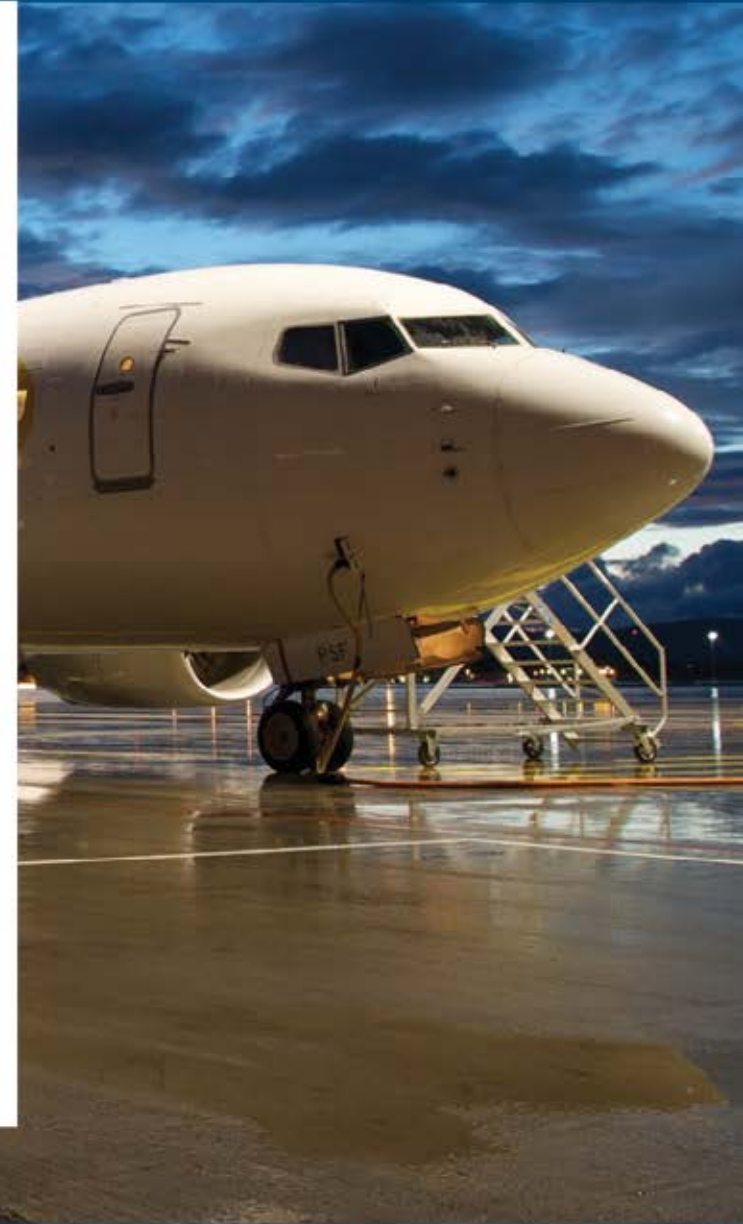
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Global oil prices have fallen sharply over the past year, leading to significant revenue shortfalls and has put Saudi Arabia under enormous economic stress.

The Kingdom's aviation sector is set to play a significant role in the government's economic diversification efforts and the Saudi government has already earmarked \$10.65 billion (SAR 39.4 billion) to build and upgrade more than 20 airports to help accommodate its fast growing aviation industry. With the successful launch of the Prince Mohammed bin Abdulaziz International Airport in Madinah, the first airport in Saudi Arabia to be constructed and operated entirely by the private sector following a Build-Transfer-Operate (BTO) Agreement, the regulators have announced the plans to privatize airports as a means to support Kingdom's finances. This will allow foreign companies to invest in the Saudi Arabian airports without the need for local partners. The Saudi Arabian Airports see an annual increase of more than 10% of passengers and 5% of aircraft operations. 70% of goods bound to the Middle-East are destined for Saudi Arabia and the government is focused to increase its cargo handling capacity to circumvent the need for shipments to transship through neighbouring GCC countries.

Today, the country also faces a mammoth task to create enough jobs to cope with a booming population amid the oil price rout. The growth in Aviation sector will spark over 40,000 jobs over the next 4 years and will contribute towards Saudization. The Kingdom of Saudi Arabia is looking at sophisticating and streamlining the aviation sector through major infrastructure development projects, privatization projects and market liberalization. Today the Kingdom is focused at modernizing the already existing airports as well as developing new airports of the future with technology that can handle the air traffic, cargo and the passenger flow with ease.

Hence Nispana & SEMARK proudly announce the launch of the "**Airport Modernization Summit**" scheduled on the **2 - 3 October 2016, Riyadh, Kingdom of Saudi Arabia**. The 2 Day Summit will provide the main stake holders with an ideal platform to come together and listen to real-time case study presentations by global leaders, network with peers, exchange ideas and source some of the latest technology that can be used to modernize the existing airports and develop new airports of the future.





## Key Trends

- 📍 Aviation sector will contribute highly towards the Saudi Vision 2030 economic diversification plan
- 📍 National Transformation Plan emphasizes on privatization of Saudi's airport and aviation services by 2020
- 📍 GACA to privatize 11 airports to attract funding from foreign companies
- 📍 Increasing number of domestic and international passengers
- 📍 Raising air traffic and congestion
- 📍 Top airports are focusing on expansions to meet the raising demands
- 📍 Increasing number of threats to aviation cyber and physical security



## Benefits of Attending

- 📍 Learn the opportunities and challenges of privatization
- 📍 Exchange ideas with peers and meet with decision makers from emerging airports
- 📍 Identify latest smart technologies and innovations for building smarter airports
- 📍 Understand the opportunities to improve profitability
- 📍 Interact with key decision makers in a perfect networking environment
- 📍 Learn from international experts and examine the international best practices
- 📍 Get updates on upcoming airport modernization and expansion projects

## Summit objectives:

- ✈️ To learn from international best practices and improve profitability
- ✈️ Building sustainable, smart and iconic airports of future
- ✈️ Increasing the Aviation sector's contribution towards the Kingdom's economic diversification efforts
- ✈️ Empowering stakeholders with the right knowledge and contributing towards Saudization
- ✈️ Enhancing the quality of passenger experience & improving the operational efficiency
- ✈️ Maximizing the security infrastructure





## Sponsor & Exhibitor Categories



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**Asset, People & IT Security & Safety**



**Innovations in Airports**



**ICT & Smart Solutions**



## This is a Must Attend for:

- ✚ Airport Authorities
- ✚ International, Domestic, Defense, and Private Airports
- ✚ Airlines
- ✚ Contractors
- ✚ Architect, Designers & Master Planners
- ✚ Regional and International Associations
- ✚ Banks and Financial institutions
- ✚ Consultants
- ✚ Government, Regulatory Authorities & Ministries
- ✚ Research/Academics/Education
- ✚ Trade Commissions/Consulates/Embassies



## Key Job titles include:

- ✚ Presidents
- ✚ Chairmen
- ✚ Director Generals
- ✚ CEOs, COOs, CSOs, CISOs, CTOs
- ✚ Senior VP's, VP's & AVP's
- ✚ Directors
- ✚ Advisors
- ✚ Heads of IT, Procurement, Security, Planning, Engineering, Technical Operation, HSE
- ✚ Architects, Consultants, Developers & Planners

## Expert Advisory and Speaker Panel



**Hassan El-Houry**  
Group Chief Executive Officer  
National Aviation Services



**Adil Raihani**  
Former Senior VP Center Management  
Vienna International Airport



**Bodapati Bhaskar**  
Senior Director - Finance & Support Services  
Bangalore International Airport Limited



**Charles F. Marshall**  
Asset Management and Sustainability Division  
Hartsfield-Jackson Atlanta International Airport



**Jesper A. Jacobsen**  
Environmental Affairs  
Copenhagen Airports A/S



**Mari Peltomäki**  
Project Manager  
Aviapolis/Airport Area Marketing Ltd



**Dr. Miquel Àngel Piera Eroles**  
System Engineering Department  
Universitat Autònoma de Barcelona



**Dr. Christine De Lille**  
Faculty of Industrial Design Engineering  
Delft University of Technology



**Kent Espersen**  
Director, EMS - EMEA  
Brüel & Kjær



**Dr. Hacene Boudries**  
Vice President, Advanced Technology  
Implant Sciences Corporation



**Cem Aslantas**  
Head of Project Management Office  
TAV Information Technologies



**Ferenc Kis**  
Head of Environmental Protection  
Budapest Airport Zrt.

## Envisioned and Invited Speakers

**H.E. Sulaiman Bin Abdullah Al-Hamdan**  
President,  
General Authority of Civil Aviation

**H.E. Saleh.M.S Al-Khaliwi**  
Director General,  
Saudi Customs Authority

**H.E. Saleh Nasser Al-Jasser**  
Director General,  
Saudi Airlines

**H.E. Yousef Al-Dhaheiri**  
Director General,  
King Fahd International Airport Cargo Village

**Shamel Shishani**  
Director - Airport, Passenger, Cargo, & Security  
Middle East & North Africa IATA

**Sher Khan**  
Managing Director,  
King Fahd International Airport

**Paul Byrne**  
CEO,  
Flynas

**Muneer Ferozie**  
Head MENA Region IFC - PPPs and Privatization  
Financial Advisory,  
International Finance Corporation- The World  
Bank Group

**Robbie Gill**  
Managing Director,  
The Design Solution

**Ben Wagenaar**  
Technology Innovation Architect,  
Heathrow Airport

**Ralf Gaffal**  
Vice President International,  
Munich Airport



## Agenda Day One

# AIRPORT MODERNIZATION SUMMIT

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08:00	Registration & Refreshments
08:30	Recital of the Holy Quran
08:40	Chairman's Welcome Address
08:50	Chief Guest's Opening Remarks
09:00	An Overview of the Kingdom's Current Airport Development Project Plans <ul style="list-style-type: none"> <li>• Upcoming airport development projects</li> <li>• Modernization projects for existing airports</li> <li>• Total spending on development of new and existing airports</li> </ul>
09:30	Designing & Building a Comprehensive Modern Airport Model that Matches the Business Objectives, Incorporates Technology, Transparency and Usability for Better Return on Investment (ROI) <ul style="list-style-type: none"> <li>• Current elements of the modern airport, smart regulations, futuristic airport trends, and industry best practices.</li> <li>• Integration of new and existing technology to inculcate a modern feel</li> <li>• Designing a modern airport to handle passenger traffic &amp; air traffic during peak seasons</li> </ul>
10:00	Integrated Communications for Modern Airports: The One Stop Solution for Airport Operators <ul style="list-style-type: none"> <li>• Developing an integrated communication to enhance safety and security</li> <li>• A communication system that improves operational efficiency, minimizes costs and generates revenue</li> <li>• Improved passenger and tenant services</li> </ul>
10:30	Networking Break
11:00	Growing Prominence of Airport Self-Service Technologies: A Key Growth Driver <ul style="list-style-type: none"> <li>• Installation of fingerprint recognition &amp; advanced palm print technology to gain traction</li> <li>• Mounting security risks drives demand for automated border controls &amp; e-gates</li> <li>• Healthy commercial aerospace outlook drives demand for smart airport technologies</li> </ul>
11:30	Privatization Strategies for the Aviation Sector <ul style="list-style-type: none"> <li>• Assessing the need to privatize the aviation sector</li> <li>• Exploring the current and future opportunities across the aviation sector</li> <li>• Privatization of domestic and local airports</li> </ul>

12:00	Sustainable Cooling Solutions for Modern Airports <ul style="list-style-type: none"> <li>• Coping with high ambient conditions</li> <li>• Energy efficiency is the key</li> <li>• District Cooling vs VRF</li> </ul>
12:30	Lunch and Prayer Break
01:30	<b>Panel Discussion: Building sustainable, smart &amp; iconic airports of future</b> <ul style="list-style-type: none"> <li>• Comparing to regional and global modern airports; what are the main areas of strength and areas of weakness in the current Saudi airports?</li> <li>• Planning Airport infrastructure to cover ground and navigation infrastructure in overall master plan</li> <li>• How can we enhance the airport user consultation in Saudi Arabia?</li> <li>• What would be the immediate actions, and the medium and long-term actions required to modernize Saudi Airports</li> </ul>
02:00	Future Parking Technology: Avoid the "Where to Park" Situation <ul style="list-style-type: none"> <li>• Improve customer experience with streamlined validations, coupons and frequent parker programs</li> <li>• Create hassle-free access for parkers with online reservations and printable barcoded permits</li> <li>• Quicken the entry and exit process and reduce labor costs with automated access and revenue control</li> </ul>
02:30	IT Solutions for Modern Airports: The complete Logistics Value Chain <ul style="list-style-type: none"> <li>• Upgrading distribution networks and sorting strategies with state-of-the-art technology</li> <li>• Assessing the need to modernize the complete value chain</li> <li>• Optimizing system utilization and adapting control system capabilities</li> <li>• Staying up to date with new system functionalities and making your system work better</li> </ul>
03:00	Assessing the Need for PPP Projects to Modernize Airports Levels <ul style="list-style-type: none"> <li>• Exploring the benefits of PPP Projects and the BOT model</li> <li>• Partnering with advisors to ensure the success of an Airport PPP Project</li> <li>• The importance of analyzing the financial market to mitigate the financial risk of Airport PPP Projects</li> </ul>
3:30	Chairman's Closing Remarks & End of Conference Day 1

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# Agenda Day Two

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08:00	Registration & Refreshments
08:40	Recital of the Holy Quran
08:50	Chairman's Welcome Address
09:00	<b>Exploring the Potential of Building Management Systems: Smart Terminal, Air and Landside Solutions to Help Improve Airports from One End to the Other</b> <ul style="list-style-type: none"> <li>• Building management and automation systems for network integration &amp; monitoring, both on-site and remote, promoting increased optimization &amp; facility efficiency</li> <li>• Access control and digital video surveillance to help authenticate identity, identify security breaches, false alarms and potential threats</li> <li>• Energy management, control and performance to monitor and optimize energy use throughout your airport for increased efficiency</li> </ul>
09:30	<b>Optimizing Airport Operations Management, Enabling Airports to Drive Both Performance and Profitability</b> <ul style="list-style-type: none"> <li>• Manage complexity and enhance metrics value by integrating operations applications into a single environment</li> <li>• Improve efficiency and passenger experience by enhancing end-to-end process performance</li> <li>• Robust and Intelligent Airport Management System for managing operational processes and activities</li> </ul>
10:00	<b>Creating an Integrated Technology Environment to Improve Decision Making Capabilities Through Business Analytics &amp; Enterprise Resource Planning</b> <ul style="list-style-type: none"> <li>• In terms of mobile access to data and applications, the main issues besides security are availability and provision of the right functionality</li> <li>• Rapid response: In-memory computing increases speed and enables realtime analysis</li> <li>• In addition to harmonizing and consolidating the systems environment, enterprises can gain further flexibility by leveraging the cloud paradigm</li> </ul>
10:30	Networking Break
11:00	<b>SMART Airport Resource Management System (SMART/RMS)</b> <ul style="list-style-type: none"> <li>• Strategic/long-term capacity planning done by performing the 'What-if' analysis and evaluating the impact of multiple projected operational scenarios on the future need for Airport resources</li> <li>• 'What-if' analysis to evaluate current operations and establish best tactics to optimize deployment of existing resources</li> </ul>

	<ul style="list-style-type: none"> <li>• Operational scheduling: Deployment of airport manpower and equipment at check-in desks, boarding gates, baggage belts and apron to accommodate flight schedules</li> </ul>
11:30	<b>Security Challenges Facing the Global Aviation Industry - A MENA Perspective</b> <ul style="list-style-type: none"> <li>• Improving Airport security without compromising the customer experience and satisfaction</li> <li>• Implementing Advanced passenger Information &amp; understanding UN Resolution 2178</li> <li>• Immediate and long term actions aiming to enhance the aviation security at the global, regional, and local levels</li> </ul>
12:00	<b>Increasing Resilience in Surveillance Systems: Scope for Airports of the Future</b> <ul style="list-style-type: none"> <li>• Developing a theoretical model of the role of constraint-based compliance in airport security</li> <li>• Making surveillance invisible and visualization of surveillance</li> <li>• Digital technologies, surveillance, and social control and the electronic monitoring of offenders</li> </ul>
12:30	Lunch and Prayer Break
01:30	<b>Panel Discussion: Modern Airports: A Reality or a Dream</b> <ul style="list-style-type: none"> <li>• Identifying the immediate, medium &amp; long-term regional &amp; local security threats today</li> <li>• Is the global and regional aviation industry doing well in addressing these threats? What's working? and what's missing?</li> </ul>
02:00	<b>Exploring Cloud Computing and the Capabilities for Modern Airports</b> <ul style="list-style-type: none"> <li>• The Modern Airport: Conquering complexity in an era of increasing expectations</li> <li>• Integrated approach to achieving visibility, control, and continuous improvement across all areas of airport operations</li> <li>• Real-time analytics and business intelligence</li> <li>• A cost effective secure way to improve customer experience</li> </ul>
02:30	<b>Revolutionizing the Use of Smart Technology in Modern Airports: Transforming Existing Airports into Digital Airports</b> <ul style="list-style-type: none"> <li>• Build next-generation greenfield airports</li> <li>• Run highly efficient and cost-effective airport operations</li> <li>• Deliver enhanced passenger experience and satisfaction</li> <li>• Leverage new cash generating streams</li> </ul>
03:00	Chairman's Closing Remarks & End of Conference



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