

# Helishow DUBAI 2018

6<sup>TH</sup> TO 8<sup>TH</sup> NOVEMBER 2018  
ROYAL PAVILION, AL MAKTOUM AIRPORT  
DUBAI SOUTH, DUBAI, UAE



## CONFERENCE AGENDA

Supported by:



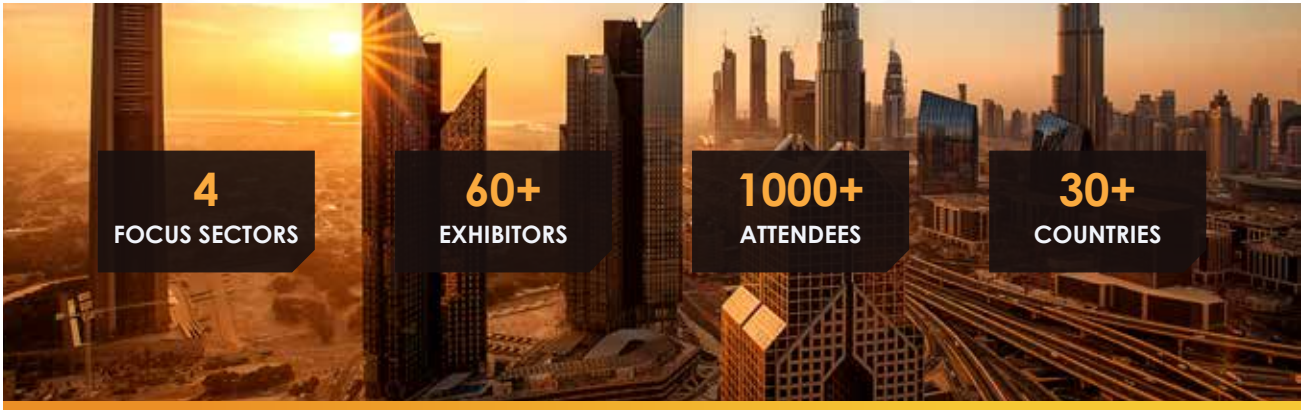
To be co-located with:





Under the patronage of  
His Highness Sheikh Mohammed  
Bin Rashid Al Maktoum  
Vice-President and Prime Minister  
of the UAE and Ruler of Dubai

Organized by:



The biennial International Helicopter Technology & Operations Exhibition, better known as Dubai Helishow, welcomes you to the 7th edition of the distinctive trade show dedicated to the helicopter industry from 6-8 November 2018. Under the patronage of His Highness Sheikh Mohammed Bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai, the Dubai Helishow will once again represent a unique opportunity for the international helicopter community to showcase their products, services and technologies covering the commercial, civil defense and military helicopter markets.

The success of the 2014 HeliShow and the inaugural Dubai HeliConference 2017 demonstrates how important the Middle East is to the industry as an emerging lucrative market. It's also an opportunity for companies to highlight achievements and recent advancements and a platform to meet and interact with prospective customers from the Middle East. With a focus on the future development of the Dubai HeliShow we are delighted to announce the Royal Pavilion at the Al Maktoum Airport; Dubai South will be hosting the 7th edition from 6-8 November 2018. The new venue is the home of the world's largest airport in the making and landmark event Dubai Expo 2020.

With 2018 being announced as the “Year of Zayed”, this is the best platform to realize his vision of encouraging innovations and celebrate the achievements that drive a sustainable and growing helicopter industry.

Dubai Helishow will host two exclusive three day conferences covering:

- Helicopter Technology & Operations
- Military & Homeland Security

Helicopter ride as part of a search and rescue operation with opportunity to enact a victim's role!  
Get introduced to advanced helicopter flight simulators and fly them in different configured scenarios!

If you have any comments regarding this draft please contact :

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## CONTENTS:

Sectors in focus .....	04
Past attendees & sponsors .....	05-06
Who should sponsor and exhibit .....	07
Conference day one .....	08
Conference day two .....	10
Conference day three .....	12



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## SECTORS IN FOCUS



### CIVIL DEFENCE

- Helicopters play a significant role in the region's search and rescue operations
- Helicopters undertake accident surveillance on major traffic highways
- Police utilise helicopters for general law enforcement along with a responsive measure to crisis situations and natural calamities
- Vital role for helicopters in fire fighting and evacuations from high-rise buildings

### COMMERCIAL

- The entry of helicopters into the tourism and hospitality industries gave birth to aerial tourism in the Middle East
- In UAE, especially Dubai many of the high-end luxury hotels are offering deluxe heli-pick-ups and scenic flights for their VIP guests.
- The region is also going through a massive modernisation process and helicopters play an integral role in offshore real estate projects, desert real estate projects, erecting pylons in remote areas to bring electricity, constructing microwave towers and so on
- Helicopter manufacturers, associated products and Middle East being home of oil rich countries, helicopters are widely used for seismic surveys in search of oil and other natural resources
- The offshore industry is supported by the helicopter in transferring personnel and supplies to and from the rigs

### MILITARY

- Military helicopters play an integral part in the land, sea and air operations of modern militaries
- The high adaptability of the modern military helicopters allows the same modular airframe to be configured for different roles within hours
- Advanced technologies in terms of communication and navigation for mission specific military helicopters
- Middle East defense spending is set to grow further as Gulf Arab nations embark on military modernization programs
- In its annual Middle East market analysis, Forecast International expects defense investment across the region to expand by 14 percent over the next five years. The region's continuation as a leading global area for military expenditure is being spurred by Saudi Arabia and the United Arab Emirates

### AIR MEDICAL & RESCUE

- The growth of international health care needs has spurred the evolution of the air medical and rescue services in the Middle East
- Middle East region demands the use of helicopters during emergencies and natural disasters to reach places where vehicle access is limited and provide first aid and fly with patients to the nearest hospital
- New and advanced technologies in products and services for transportation of patients to hospital or safety
- Helicopters provide a vital role when other modes of transportation are not viable particularly during times of conflict

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## AN EXTENSIVE VISITOR CAMPAIGN WILL TARGET SENIOR-LEVEL BUYERS AND SPECIFIERS IN THE REGION FROM THE FOLLOWING SECTORS:

### FROM SECTORS INCLUDING:

- Academia
- Accessories, Components & Spare Parts
- Air Ambulance Operators
- Armed Forces
- Commercial Operators
- Emergency Services
- Government Agencies
- Military
- Maintenance\Repair & Overhaul Agencies
- Police Air Wings
- Private Buyers
- Search & Rescue

### JOB TITLE PROFILE:

- President/CEO
- Director of Purchasing
- Director of Operations
- Maintenance Director
- Marketing/Sales
- Pilot
- Mechanic
- Safety Officer
- Military
- Health Care Professional
- Consultant
- Student

### VISITORS FROM COUNTRIES INCLUDING:



### VIP DELEGATION FROM COMPANIES WILL BE INVITED:

- Bahrain Air Force & Air Defense
- Consulate of Switzerland
- Dubai Police Airwing
- Dubai South
- Dubai Air Wing (HeliDubai)
- Dubai Civil Aviation Authority
- General Civil Aviation Authority
- General Department of Transport & Rescue
- Kuwait Air Force & Air Defence
- Kuwait Ministry of Defence
- Oman Air Defense
- Royal Air Force of Oman
- Saudi Arabia Ministry of Defence (Air Force)
- Saudi Air Force Saudi Navy
- The General Directorate of the Border Guards Saudi Arabia
- UAE Armed Forces

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## TAKE A LOOK AT SOME OF THE COMPANIES WHO HAVE EXHIBITED OR SPONSORED IN THE PREVIOUS EDITIONS:

- A2B Aero
- AAL Group
- AAR Corp
- Abu Dhabi Aircraft Technologies
- Abu Dhabi Aviation
- Abu Dhabi Police GHQ Air Wing
- Aces Systems International
- Aerogulf Services
- Aerospace Turbine Services and Solutions
- Airbus Helicopters
- AgustaWestland
- Amikon Aviation Training
- Amity University
- Ares Security Vehicles
- ARMA Global Corporation
- AV Base System
- Aviahelp Exports
- Avion Power
- Avlite Systems
- Axnes Aviation As
- Becker Helicopters Pilot Academy
- Bell Helicopters
- Boeing Company
- Bose Corporation
- Breeze Eastern
- Bristow Academy
- Caruso & Freeland
- CAS Continental Aviation Services
- Champion Door
- Chariot Aerospace Materials
- Chopperline Flight Training
- Continental Aviation Services
- Cooper Crouse Hinds
- Dart Aerospace
- David Impey Media Consultants
- Devore Aviation
- Dakota Air Parts
- Emirates CAE Flight Training
- Enstrom Helicopter Corporation
- Enterprise Control System
- Erap Korea Co
- Evergreen Helicopters
- Euroavionics
- Falcon Aviation
- Fastening Systems International
- FDC Aerofilter
- Flight Safety International
- FLIR Systems
- Fujairah Aviation Academy
- Global Aviation Services Interior
- Goodrich Corporation
- Gulf Helicopters
- H+S Aviation
- Hale Hamilton Valves
- Hawker Pacific Air Services
- Heli Dubai
- Helicopter Association International
- Heli Russia
- Heli Sky
- Heli Store
- Helicopter Helmet
- Heliflite
- Heliwork Services
- HISS Emirates
- Honeywell
- HR Smith Group of Companies
- Horizon International Flight Academy
- Industria De Turbopropulsores
- Italiana Ponti Radio
- J Chadwick Co
- Jet Support Services
- Jetstream Aviation Academy
- Kaman
- Kamov
- Kazan Helicopters
- Kiev Design Office of extralight Aircraft
- L-3 Wescam
- Laversab
- Lifeport
- Lockheed Martin
- Mach9 Pilot Shop General Trading
- MD Helicopters
- Mil Helicopter Moscow Plant
- Miccavionics Defense System
- Motor Sich
- NorthWall SRL
- Onboard Systems
- Pall Aerospace
- Petroleum Air Services
- PHI Air Medical
- Pratt & Whitney
- Quality Aviation Instruments
- RAMCO Systems
- Revue Thommen AG
- RMCI
- Rockwell Collins
- Rotorcraft Services Group
- Russian Helicopters
- Sabreliner Corporation
- Saudi HEMS
- Schauf Helicopter Services Middle East
- Sea Safety Engineering Services
- Security Technologies Cluster association
- Seven Seas Ship Maintenance & Repair
- Sikorsky Aircraft
- Simplex Aerospace
- Skytrac Systems
- Specialist Aviation Services
- Sprung Instant Structures EC
- SRT Helicopters
- Techtest
- The Timken Company
- Transaco
- Transcon Electronic Systems
- Transupport
- Troo Corporation
- Turner Aviation
- Ukrainian Helicopters
- Ulan-Ude Aviation Plant
- Vertical De Aviacion
- Vibrotech Aces System
- Vislink
- Wescam/L3 Communications
- ZF Friedrichshafen
- ZOK International Group

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## WHO SHOULD SPONSOR & EXHIBIT?

- Accessories & Components
- Aircraft Brokers, Legal Advisors & Insurers
- Air Frames
- Avionics
- Commercial Operators
- Custom-design Interiors
- Defense & Para-Military
- Defense Systems & Equipment
- Distribution & Components
- Engine Manufacturers & Components
- Fuel
- Heliports & Helipads
- Lighting
- Repair, Maintenance & Overhaul
- Satellite Communications/Tracking
- Search & Rescue Surveillance
- Specialist-role Equipment
- Systems Integrators
- Systems, Components & Associated Equipment
- Thermal Imaging Cameras/Night Vision
- Training & Simulation
- Finance Houses, Fractional Ownerships & Legals

## INTERNATIONAL REPRESENTATION OF EXHIBITORS



UAE



Lebanon



Egypt



USA



United Kingdom



Bahrain



Australia



Korea



Romania



Lithuania



Hungary



France



Russia



Canada



Ukraine



Switzerland



Italy



Colombia

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# CONFERENCE DAY ONE

Tuesday 6, November 2018

8:00 Registrations and Morning Coffee

Executive sponsored breakfast for VIP attendees

9:00 Welcome remarks by Domus Group, IQPC

9:10 Chairperson's welcome remarks

9:20 - 10:00 **Keynote sessions by VIP Distinguished Speakers**

9:20 - 9:30 **Keynote 1:** Advanced helicopter platforms for futuristic integrated joint helicopter operations

9:30 - 9:40 **Keynote 2:** Helipad regulations and the way forward

9:40 - 9:50 **Keynote 3:** Developing next generation MRO hubs for multi-purpose helicopters, UAVs, drones and aircraft

9:50 - 10:00 **Keynote 4:** Preparing for the EXPO 2020 and other global events

This session will have keynotes and strategic talks about the helicopter industry, its evolution and the innovations in this space. With the EXPO 2020 round the corner, a very important aspect of this will be developing integrated transportation network to cater to millions of visitors expected to the region. With approximately a 12% growth expected in this helicopter industry, its critical that the end users and solution providers are flexible to respond to the dynamic operational requirements of the region. There is also a gradual shift in the industry which used to be an import based, conventional helicopter operations and MRO, now steadily moving to an export driven next generation helicopter business in the region.

10:00 - 11:00 **Awards of appreciation presented to VIP attendees and achievers of excellence in policing**

**Ribbon cutting ceremony and VIP exhibition tour**

Networking coffee break, corporate videos & product demos

11:00 - 12:00 **Maintenance, Repair & Overhaul (MRO)**

### **Developing MRO hubs in the Middle East**

- Creating a strategic framework to develop hubs that cater to multi-purpose helicopters
- Increasing engine throughput and creating a skilled fleet management team
- Creating an environment to deliver 11.7 million maintenance man-hours by 2024

### **Overcoming challenges for helicopter modifications, upgrades and replacement of legacy assets**

- Developing helicopter health monitoring systems and upgrading the avionics software
- Upgrading components to boost climb, speed and range of helicopters
- Considering interior upgrades and customised modifications impact on overall performance

### **Panel discussion: Discussing conventional helicopters versus tiltrotor aircrafts and helicopters**

- Introducing the twin engine based tilt rotor aircraft
- Flexibility comparisons for operational uses between rotor and fixed wing
- Discussing improving response times and mobility for search and rescue operations

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## CONFERENCE DAY ONE

Tuesday 6, November 2018

12:00 - 12:40 Prayer time and networking coffee break, featuring corporate videos, product demos

12:40 - 13:40 Developing joint multi-role helicopters and quad-copters for improved reconnaissance capabilities across the military and law enforcement teams

- Integrating flight control and navigation systems with real time monitoring and robotics
- Sharing common hardware such as sensors, avionics, engines, and countermeasures
- Developing a highly skilled work force to cater to various types of equipment

Driving a world class manufacturing facility and supply chain for aero-engines and helicopter parts in the Middle East

- Developing a strategic framework for the Middle East to boost competitiveness
- Embedding operational excellence in lean, lower-cost facilities and processes to produce world class components
- Creating a supply chain infrastructure to support the manufacturing industry for aerospace parts

Overhaul of life raft assembly and float assembly facilities to cater to regional military and civilian requirements

- Supplementing conventional electric systems with automatic float deployment systems
- Design optimisation for various disciplines like avionics, mechanical installation, structures and stress analysis
- Providing installation kits and training of local staff

Chairman's closing remarks

13:50 - 15:00 Lunch invitation speech | Corporate videos in the lunch area



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## CONFERENCE DAY TWO

Wednesday 7, November 2018

8:00 Registrations and Morning Coffee

9:00 Chairperson's welcome remarks

### 09:00 - 10:00 Next generation helicopter innovations & applications

#### 09:00 - 10:00 Next generation smart helicopter services for smart cities

- Discussing day to day operational requirements and applications of heli-ambulances, heli-taxis and unmanned aerial vehicle systems
- Discussing globally conducted rain-water harvesting, aerial monitoring and surveillance, film shoots, satellite communication, logistics etc using customised helicopters for each application
- Discussing low cost helicopter lease options to optimise the usage

#### Optimising special missions, emergency evacuation, offshore critical infrastructure monitoring, search and rescue using helicopters

- Improving incident response times during emergency evacuations and crisis management
- Deploying helicopters in a comprehensive crisis management plan to ensure safety and security of citizens
- Providing instant support for operational combat and search teams

#### Building aerial reconnaissance and joint mission capabilities using future vertical lift technologies

- Capability assessment of speed, lift, range, payload, reliability for existing helicopters to understand objectives behind deploying future vertical lift technologies
- Overcoming challenges of limited forward speed, high noise and vibration levels, limited flight altitude
- Cockpit instrumentation and efficiently managing system configurations with legacy platforms

10:00 - 11:00 Networking coffee break, corporate videos & product demos

### 11:00 - 12:00 An integrated helicopter hub for EXPO 2020

#### Developing an integrated transport hub to manage helicopter traffic for EXPO 2020

- Developing an enterprise level command centre/heliport to manage massive tourist inflow
- Managing helipads for high level dignitaries and VIPs to ensure a smooth flow of traffic
- Big data analytic approach and information management to manage emergencies and evacuations

#### Fleet management for advanced helicopter platforms

- Rationalising the number of helicopters operated, by simplifying operational requirements and reducing life support costs
- Simplifying day to day tasks using fleet management software for real time operations including MRO, scheduling, asset tracking, component and inventory management
- Optimising management for mechanical avionic systems, structure, rotor blades, repower plant and payload capacity

#### Panel discussion: Helipad infrastructure development in the Middle East

- Discussing existing operational and safety regulations for helipads
- Evaluating existing helipad infrastructure and landing capabilities across offices, hospitals, hotels, malls and others
- Setting visions for long term development

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## CONFERENCE DAY TWO

Wednesday 7, November 2018

12:00 - 12:40 Prayer time and networking coffee break, featuring corporate videos, product demos

12:40 – 13:40 **(LIVE DEMONSTRATION)**

### Optimising search and rescue efforts using the state of the art helicopters

- Optimising rescue efforts by deploying aerial unit of police forces within record timelines
- Making provisions for fueling and improved load carrying capacity
- Building collaborated efforts between land forces and aerial units to improve response time of incidents

The attendees will be taken to the helipad and volunteers will be demonstrated a rescue effort thus helping the attendees get a hand on experience from the experts. Attendees can also act as “victims” to get an onsite experience which would help to manage such situations in the future.



13:50 - 15:00 Lunch invitation speech | Corporate videos in the lunch area and end of day two

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## CONFERENCE DAY THREE

Thursday 8, November 2018

### 09:00 - 10:00 **Electronic warfare (EW) for helicopters**

#### Deploying EW software suites across medium-lift transport utility helicopters

- Integrating multiple aviation programmes within the EW system
- Integrating a central processing system for radar, missile, laser, RF jamming warnings
- Spectrum management with the right configuration for legacy as well as advanced helicopter platforms

#### Deploying EW communications equipment to improve radar warning capabilities offering a tactical advantage in joint operations

- Using a combination of wide band and narrow band radar warning receivers, antennas, satellites, multi-spectral sensors and laser receivers to manage weak signals in a hostile environment
- Managing challenges related to radio intercepts and cyber security of the EW architecture
- Developing electronic intelligence capabilities to develop tactical combat capabilities

#### Panel discussion: How do you maintain Health Usage Monitoring Systems (HUMS)

- Cost of engine failures versus overhead costs for twin engines
- Increasing equipment availability and optimising inventory management
- Integrating real time health check up of the aircraft with HUMS

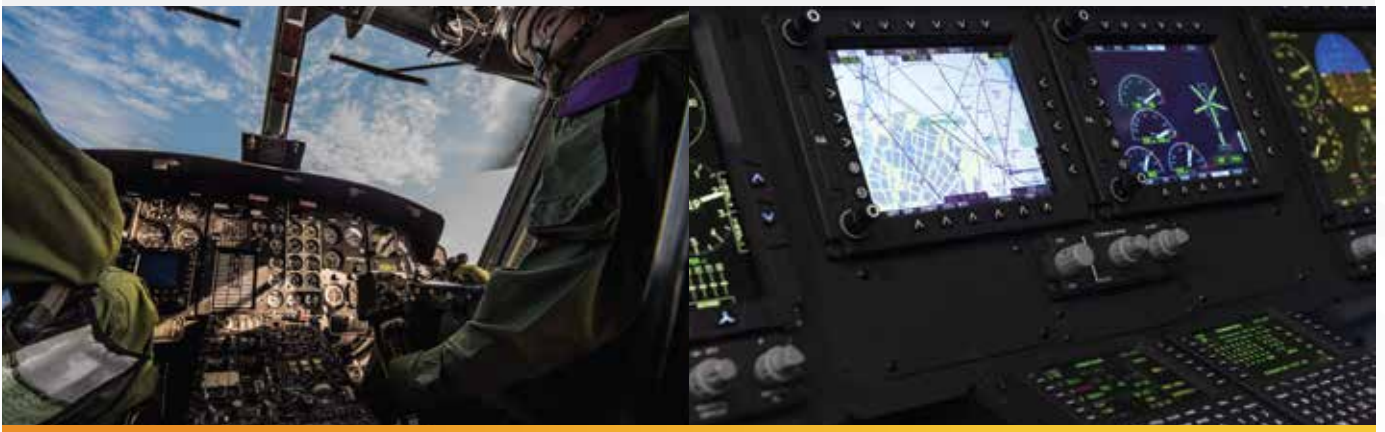
### 10:00 - 11:00 **Networking coffee break, corporate videos & product demos**

### 11:00 – 13:00 **Helicopter flight simulation (activity and demonstration)**

As militaries, corporates, VIPs, industry bigwigs and others start ordering for more and more helicopters, its absolutely necessary that training schools also churn out a good number of quality pilots who understand end to end of the flying equipment. Its necessary that current and training pilots have a high level, easily available flight simulator that can be configured to simulate various kinds of scenarios across a variety of versatile equipment. The session focusses on introducing helicopter flight simulators and helping operators as well as solution providers keep up with the training requirements of the industry.

#### After attending this activity participants will be able to:

- Get introduced to multiple advanced helicopter platforms
- Practically get a helicopter flying experience and understand certification requirements
- Learn to manage different scenarios and improve chopper handling capabilities



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