

## Indian MRO – An opportunity untapped



Dr Dinesh Keskar, Senior Vice President Asia Pacific and India Sales, Boeing



L to R: Kishore Jayaraman, President India and South Asia, Rolls Royce, Amber Dubey, Partner and Head-Aerospace and Defence, KPMG (Moderator), Ashish Saraf, VP & Make in India Officer, Airbus, Harpreet A De Singh, Exe. Director and Chief of Flight Safety, Air India Air Marshal J N Burma, PVSM AVSM VSM (Retd), Indian Air Force M Balakrishnan, Consultant, Air India Engineering Services Limited, Arun Kashyap, Executive VP Head of Engg. & Maintenance, SpiceJet

India has an amazing and fast-growing aviation segment that is forecasted for the next decade. One out of every twenty widebody aircraft delivery in the world is to India. That is the magnanimity of the MRO opportunity exists in India. However, the stakeholders of the industry feel that the government should look at the larger scheme of things like the size of the business, employment that would be generated, and developing a skilled workforce. That would be a game changer for the Indian MRO industry.

Interestingly, India is the fastest growing aviation market for the last 34 or 35 odd months. It is the third largest domestic market and inching towards taking over Japan in the overall size of the market, both domestically and internationally. The big two, US and China, are still ahead of India, and it is expected that India would beat them by 2030.

The Aerospace & Defence MRO South Asia Summit which was held from 18-19 January 2018 in India's capital city New Delhi witnessed participation from all segments of the MRO value chain. This summit is the first ever event for the MRO industry and themed as Make in India- MRO Makes it happen.

The two-day conference gained traction in the wake of the current favourable factors for MRO industry in the country such as initiatives like 'Make in India' and other policies announced by the Ministry of Civil Aviation, Government of India.

The tone of the conference was set in by Dr Dinesh Keskar, Senior Vice President Asia Pacific and India Sales, Boeing by delivering the keynote address. In his speech, he highlighted the humongous opportunity that India offers for the MRO players in the world. He said, "In the beginning, till the liberalisation happened and the private players came into the



L to R: Bharat Malkani, Chairman & Managing Director, Max Aerospace (Moderator)  
Air Marshal Sukhchain Singh, AVSM VSM (Retd), Maintenance Command, Indian Air Force  
Arun Bansal, General Manager, Engineering, Air India Engineering Services Limited,  
Air Marshal P R Sharma, Vice President, Safran India



L to R: Shaji Karunakaran, Chief Engineering Manager, Blue Dart Aviation, Gagan Jacobs, Power Plant Manager - Technical Services Department, Jet Airways, J K Agrawal, Deputy General Manager, Air India Engineering Services Limited, B K Mehrotra, GM (Cargo) Airport Authority of India & COO AAI Cargo Cargo Logistics & Allied Services, Shailendra Seth, Director - India, Chapman Freeborn Airchartering Pvt Ltd, Vivek Gupta, Managing Director, Interfreight Forwarders



L to r: Anand Naidu Pola, Addl Director General, Prasar Bharati (Moderator), Gaurav Dhanda, Deputy Commissioner Customs, CBEC - SWIFT, Priya Iyengar, Corporate Lawyer and Arbitrator, Compass Law Spandan Biswal, Partner, Cyril Amarchand Mangaldas, Ashwani Sharma, Former Former VP- Engg. & Quality Manager, Air Costa, Sharad Agarwal, Quality Manager, Air India Engineering Services Limited

picture, the flag carriers Air India and Indian Airlines were handling their own maintenance works. And there wasn't any additional scope for maintenance. When more and more private players came into operations especially with the used aircraft and some of them with old 737-200, the requirement for MRO went up. However, there was no support from anywhere as Air India and Indian Airlines were too full with their own work."

In the last two decade, the Indian MRO market was growing consistently and now the size is estimated to be of Rs 5000 crore. However, 90 percent of the Indian MRO work is being done outside India. The reason, blame it on the lack of MRO facility in India. "The market is here, the growth is here and people (skilled workforce) are here. This opportunity in MRO should be tapped in time," added Keskar.

While the summit, on one hand, focused on the conducive environment in India, on the other, it also discussed in detail the hurdles impeding the realisation of the MRO opportunities.

Keskar continued that Boeing spent 107 million dollars in building the Nagpur MRO facility which is being run by Air India. He further said, "The challenges for MRO are infrastructure, finding land, land acquisition, the higher duties on spare parties etc."

The first panel had an electrified discussion on Make in India- MRO Makes it happen. The high profile panel consisted of Ashish Saraf, VP & Make in India Officer, Airbus; Kishore Jayaraman, President India and South Asia, Rolls Royce; Air Marshal JN Burma, PVSM AVSM VSM (Retd), Indian Air Force; Arun Kashyap, Executive VP Head of Engineering & Maintenance, SpiceJet; Harpreet de Singh, Exe. Director and Chief of Flight Safety, Air India; m Balakrishnan, Consultant, Air India Engineering Services Limited; and was moderated by Amber Dubey, partner and head of Aerospace and Defence, KPMG.

Amber Dubey commented, "For that buying new air crafts and starting new airlines are not enough. Nobody is going to buy a car in Delhi and take them to Chennai or Dhaka or Sri Lanka for servicing. Why are we in such a bad shape? Whenever the industry, government and private sector get together, miracles happen. MRO is one segment which is not doing not so good.



L to R: Gagan Jacobs, Power Plant Manager - Technical Services Department, Jet Airways, G Sampath, Regional Director - South Asia, Triumph Group, Rahul Shah, SVP Strategic Growth and Business Development, AAR Corp (Moderator), S K Bansal, Associate Vice President - Engineering, Indigo Airlines, Raminder Singh, Deputy General Manager, Air India Engineering Services Limited



L to R: Prof Rajkumar S Pant, Aerospace Engineering, IIT Bombay (Moderator), Abhishek Gupta, Co-Founder & CEO, GreyKernel, Aruna Schwarz, CEO and Founder, Stelae Technologies, Saravanan Rajarajan, Associate Director - Ramco Systems



But until and unless the industry makes the sound and being heard by the right people, we need to shout loud.”

Harpreet de Singh said, “One needs to look at the financial viability not for the MRO as such but for the airline which is going to use the MRO. Getting repairs done domestically viz a viz the cost advantage of sending it overseas is what is making the airlines looking overseas.”

Ashish Saraf was quick to add, “Why doesn’t it work? Taxation—it got better before GST and with GST it got worse. We have people who have approached us to set up MRO in the middle of nowhere. But we require land near Delhi or Mumbai as none of the airlines would like to do a detour to get the repairs. So the location becomes a key.”

Arun Kashyap brought in the role of OEMs by saying, “The OEMs needs to pitch in here. We request whichever company offers MRO service, to set up a facility in India. We compete with each other. We need more volume; Make in India should look at attracting south East Asia and the Middle East to the country in the MRO segment.”

The expert panel members said that forums like this should collectively compile the suggestions and submit it to the different ministries, so that encouraging policies can be framed by the government.

The conference also saw deliberations on subjects like a) ‘Defence MRO- Seizing the big opportunity’ b) ‘Internet of things, Big data analytics & Artificial Intelligence: strong tailwinds fir for future MRO’ c) ‘Key business drivers shaping the global MRO market in the next five years’ d) Regulatory and government policy framework supporting Indian MRO and e) Building a Robust logistics and Supply chain infrastructure for India’s civil & defence MRO.

Aerospace and Defence MRO South Asia Summit 2018 was organized by The STAT Trade Times and was supported by Air India Engineering Services Limited (AIESI), Aeronautical Society of India. The Conference also had partners Ultra Aerospace, Ramco Systems, Compass Law Associates, Avion World.

The STAT Trade Times is a multimodal international transport media established in 1986 engaged in the dissemination of news with a special focus on Aviation industry globally for more than three decades. STAT Times has also been organizing, the now very popular International biennial Air Cargo events AIR CARGO INDIA & AIR CARGO AFRICA.

## Safran Nacelles signs thrust reverser services agreement with Kuwait Airways for A330 jetliner fleet



**K**uwait Airways, the national carrier of Kuwait has selected Safran Nacelles for unscheduled maintenance services coverage and asset management for thrust reversers on the airline's Airbus A330 jetliner fleet powered by Rolls-Royce

Trent 700 engines.

"We are fully committed to delivering services that meet Kuwait Airways' needs," stated Olivier Savin, Safran Nacelles' Executive Vice President - Customer Support & Services. "Kuwait

Airways' decision to select Safran Nacelles is a great endorsement of our services, which combine world-class innovative solutions to ensure smooth operations for our customers' fleets – from entry-in-service until aircraft retirement."

Falah Salman, the Head of Kuwait Airways' special assignment office at the engineering department, stated, "Safran Nacelles' footprint in the region provides a very high level of support and services quality, delivering value-added maintenance coverage for our fleet. This convinced us to continue the working relationship, which has been built on trust, with Safran Nacelles as the thrust reverser OEM and our services provider. I am delighted we have chosen the asset management and unscheduled coverage package for our A330 fleet, and look forward for extensive collaboration on new aircraft joining Kuwait Airways' fleet soon."

## Hainan Airlines, CFM sign LEAP-1A engines contract to power 55 A320neo aircraft

**H**ainan Airlines has signed a Memorandum of Understanding (MOU) valued at \$4.2 billion U.S with CFM International, a 50/50 joint company between GE and Safran Aircraft Engines for the purchase of LEAP-1A engines to power 55 Airbus A320neo aircraft, along with a long-term support agreement for Hainan Airlines Holding and its affiliates. The MOU was signed by Bao Qifa, Executive Chairman and CEO of Hainan Airlines Holding and Philippe Petitcolin, Chief Executive Officer of CFM parent company Safran.

The signing was witnessed by Minister Zhong Shan of China Ministry of Commerce and Minister Jean-Yves Le Drian of French Ministry of Europe and Foreign Affairs and Minister Bruno Le Maire of French Ministry for the Economy and Finance.

"The majority of our fleet is powered by CFM engines," said Bao Qifa, executive chairman and CEO of Hainan Airlines Holding. "The products are performing great and we've been well



supported by the CFM team. We believe that LEAP-1A engines will help us continue our growth on our domestic and regional routes."

"We are very pleased that Hainan has selected the LEAP-1A engine for its A320neo fleet," said Philippe Petitcolin, CEO of Safran. "It is an honor to be part of this airlines continued growth and we offer our assurance that the entire team can look forward to the same high level of support they have come to expect from CFM as they introduce the LEAP-1A into service next year."

## Lufthansa Technik Hamburg opens modern engine components centre

The Engine Services division of Lufthansa Technik AG in Hamburg launched a new competence centre for engine case repair and an X-ray centre for engine components of all different sizes. Lufthansa Technik invested around seven million euros and is preparing for future engine types and a growing business in engine maintenance.

State-of-the-art tools and equipment are the basis for the beginning of new repair procedures. Simultaneously, the variety of engine types overhauled can be increased considerably, and turnaround time can be reduced to just three weeks. The division assumes that orders for this product will double over the coming three years.

The new X-ray centre with its two systems can screen components flexibly, from the smallest engine blade up to future engine cases with a diameter of 3,5 meters – and do so digitally as well as in analog mode. Recurring inspection requirements can be stored and the inspections automated in the future. Planning for a



second stage of construction in 2019 is already underway; it will extend capacity yet again.

“Our new Center of Excellence bundles the competence needed for around 450 repair procedures, some of which are very complex. With our employees’ know-how and the state-of-the-art tools and equipment we now have available, we

have created a foundation to meet the highest quality standards even for future engine types,” says Marcel Rose, Head of the Competence Center in the Engine Services division at Lufthansa Technik. “I’m very proud to have reached this milestone in further development with the high commitment, the knowledge and skills of my team.”

## Flying Colours to enhance its ADS-B tracking system installation capabilities

Flying Colours Corp., an aviation services company headquartered in Canada has invested in additional equipment inventory, and upped its team numbers to prepare for the increased demand for ADS-B tracking system installations.

In addition, the company has developed ADS-B Out Supplemental Type Certificates (STC) for the Bombardier Challenger 300, 604, and 605 aircraft. It already holds approval from the FAA, TCCA and EASA, to install the ADS-B OUT solution on the Bombardier Challenger 604/605 airframes, and has installed the solution on more than 20 aircraft of these types across North America, and sold the STC for installation by other completion centres on an additional 20 aircraft. In total, it has installed more than 30 ADS-B out solutions in the



last year. The STC for the Challenger 300, also finalised by the FAA in 2017, is expected to complete the TCCA and EASA validation process in the coming weeks, so authorising Flying Colours to strengthen its options for North American operators, as well as the international sector.

“When we are upgrading avionics, scheduling maintenance, or talking to customers about conversions we always have the ADS-B Out conversation to

ensure that owners have considered all the options available. We want to try and help futureproof their aircraft as there are many new avionics upgrades coming down the pipeline,” says Kevin Kliethermes, director of sales for Flying Colours Corp.

Kliethermes expects that the number of installations made by Flying Colours will increase significantly over the next two years, with capacity for seven to ten per month available across its two facilities. The United States KSUS facility operates a 24/7 shift rotation which will further support the service. “The technology has been mainly installed for private owners who are getting ahead of the game ensuring their aircraft will be ready, and futureproofed, to comply with the NextGEN air traffic management systems that are being introduced,” adds Kliethermes.

## French Air Force signs C-130H logistics agreement with Sabena technics



**S**abena technics has been selected by the French Ministry of Defense' maintenance service (SIAé) for the supply of spare parts and component

as part of the logistical support of the French Army's C-130H aircraft fleet.

Under this contract, Sabena technics will be in charge of the provision of

initial stock, supply of consumable spare parts and ingredients at the Clermont-Ferrand maintenance site and Orléans Air Force base (BA 123), standard exchange for repairable spare parts, PBH repair of some rotables and transportation of spare parts in and outside metropolitan France.

"Our combined civil and military knowledge allows us to offer an efficient and reliable supply-chain that guarantees complete logistic flows control with a quick response to challenging delivery times and a dedicated technical follow-up. We are proud of the confidence shown by the SIAé and we will provide them with the necessary support to ensure maximum availability of their C-130H fleet", said Gilles Fouttier, SVP Military Affairs of Sabena technics.

## Spanish Air Force takes delivery of two Eurofighter Typhoons

**T**he Spanish Air Force has taken delivery of first two Eurofighter Typhoons to be produced in the latest configuration with improved air-to-surface capabilities.

The aircraft were manufactured at the Getafe Final Assembly Line in the P1Eb FW (Phase 1 Enhanced Further Work) configuration which marks an important step in the Eurofighter evolution plan.

This same configuration is being retrofitted to in-service aircraft by other Eurofighter nations. It provides increased integration of a variety of air-to-surface weapons and enhanced targeting among other developments.

Spanish procurement agency DGAM took delivery of the aircraft and they were subsequently ferried to Albacete air force base to enter service. The remaining six of the 73 aircraft currently contracted by Spain will be delivered to the same P1Eb FW standard during 2018 and 2019.

Airbus Operating Officer, Military Aircraft, Alberto Gutierrez said, "The smooth introduction of these enhanced features is a vital element of Eurofighter's evolution. It is a big tribute to the Airbus and Spanish customer teams that they achieved this on-time through effective collaboration and clearly demonstrates the rich manufacturing capability here at Getafe."

DGAM Head of Aeronautical Systems Gen León Antonio Machés said, "The entry into service of these aircraft is the outcome of strong collaborative activity between our personnel and those of Airbus. It is an excellent illustration of the technical expertise that will support many more years of Eurofighter industrial activity in Spain."

## Sabena technics strengthens its painting division in Toulouse

**S**abena technics has been selected by Airbus for the construction and operation of a fourth painting facility dedicated to Airbus wide body aircraft in Toulouse Blagnac airport.

This new facility comes in addition to two facilities in operation since 2015 as well as a third that will be operational by the end of the year.

The construction of the 7,000 sqm paint shop will start on October 2018 and will represent over 23M of investments. The company is looking to hire and train more than 70 people for an operation start-up scheduled by the end of 2019. By the start of 2020, there will be a total of four painting rooms representing approximately 15,000 sqm of surface area and able to accommodate from the ATR to the Airbus A350 aircraft.

Philippe Rochet, COO of Sabena technics, "This new facility allows us to meet the needs of the manufacturer on additional capacity for its wide body aircraft. We are proud of Airbus' renewed trust and of this new achievement thanks to the hard work and determination of our teams. Within only four years, we have managed to create and develop a real painting hub which will reach a production of about 150 aircraft painted per year starting 2020."

## France welcomes first C-130J Super Hercules



France has received its first C-130J Super Hercules aircraft from Lockheed Martin. The ceremony was attended by Florence Parly, France's minister of the Armed Forces, government officials from France and the United States along with representatives from Lockheed Martin at Orléans-Bricy Air Base.

France will receive two C-130J-30 combat delivery airlifters and two KC-130J aerial refuelers through a Foreign Military Sale with the US government, with deliveries taking place through 2019. The first of these aircraft (a C-130J-30 airlifter) was formally delivered to France in December 2017 at the Lockheed Martin facility in

Marietta, Georgia, in the United States.

France first acquired C-130Hs in 1987 and its new C-130Js will be operated with its existing Hercules fleet.

"As a long-time Hercules operator, France has continuously demonstrated to the world the unmatched qualities and versatility found only in a C-130," said George Shultz, vice president and general manager, Air Mobility & Maritime Missions at Lockheed Martin. "France's new Super Hercules fleet delivers increased power, speed and capabilities to ensure that Armée de l'Air crews continue to meet — and exceed — mission requirements for decades to come."

France is the 17th country to choose the C-130J for its airlift needs. The C-130J Super Hercules is the most advanced tactical airlifter in operation at present, offering better performance and improved capabilities with the range and versatility for evolving requirements.

## Interflight expands its maintenance capabilities at London Biggin Hill Airport

Interflight, a provider of aviation services including air charter, aircraft management and aircraft maintenance is expanding its maintenance capabilities at London Biggin Hill Airport.

Biggin-based Interflight has increased its maintenance approvals capability with the addition of the Hawker 400XP, Beechcraft 400a and Nextant 400XT type ratings, and has also launched its newly refurbished hangar.

Andy Patsalides, Marketing Manager at London Biggin Hill Airport, says, "Our airport is fast becoming the primary centre for business aviation in the capital, with a variety of aerospace companies choosing to base themselves and grow their businesses here. Biggin Hill is ideally located to support anyone requiring maintenance, charter, flight planning or any other business aviation services in London and the South East.



"Some exciting developments are lined up for London Biggin Hill this year, as our growth continues to accelerate. After a remarkable 16% year-on-year hike in departures in 2017, compared to the European average of 4.2%, we anticipate 2018 will be another milestone year."

Lee Sugden, Director of Engineering at Interflight, says, "We're delighted to add

the new maintenance approvals, which covers about 600 aircraft worldwide. On top of our additional maintenance approvals our new hangar is the latest chapter of the Interflight transformation, following new offices for the charter and management division as well as new aircraft added to our fleet."

## Executive Focus

### Horizon Air selects Gary Beck President and Chief Executive Officer, and Constance von Muehlen Chief Operating Officer

**A**laska Air Group has named Gary Beck as Horizon Air's new president and chief executive officer, and Constance von Muehlen as chief operating officer.

Beck has been serving Alaska Airlines from 2008 to June 2015 as vice president of flight operations. In his role at Alaska, Beck oversaw 1,600 pilots in Alaska, California and Washington and was responsible for ensuring a safe, reliable and compliant flight operation. Additionally, he introduced the airline's Greener Skies initiative, and ushered in technology game-changers such as pilot iPads and a paperless flight deck. After retiring from Alaska, Beck continued to serve as the airline's delegate on the NextGen Advisory Committee Sub Committee (NACSC), where he testified before the US Senate on the airline's behalf. Since May 2016, he has led a joint Alaska Airlines/Virgin America integration team working towards obtaining a Single Operating Certificate.

"Gary earned the trust of his team and built a strong culture, implemented sound operational processes and invested wisely in technology, all to make Alaska's Flight Operations organization one of the leading in the world," said Brad Tilden, chairman and CEO of Alaska Air Group. "He is a seasoned leader with a tremendous amount of fire in his belly, and I believe our Horizon Air colleagues will really enjoy working with him as he leads Horizon into the next era."

Von Muehlen is a former US Army Black Hawk helicopter pilot and seven-year veteran of Alaska Airlines Maintenance and Engineering division. "Constance is an extremely strong leader," said Tilden. "Her safety acumen, professionalism, and focus on results is proven, but in addition to that she is a people person, known for building strong teams and inspiring others. She, along with Gary, will nurture and

strengthen the Horizon culture and improve processes to position Horizon as a strong competitor."

Von Muehlen was lately managing director of airframe, engine and component maintenance repair and overhaul. Before that, she served as director of engine maintenance. During the last year, she led the integration of Virgin America's and Alaska's maintenance operations. Prior to Alaska, von Muehlen spent 20 years in aviation maintenance leadership at Pratt and Whitney and at Air Canada. She received her initial leadership training as a captain in US Army Aviation serving tours of duty in Germany, Iraq, Turkey and Korea between 1990 and 1996.

Gary Beck holds a certificate in negotiations from Harvard Law School, an executive management certificate from UCLA's Anderson School of Management and studied aerospace engineering at Central Texas College and business administration at Northern Illinois University. He is a qualified pilot on multiple aircraft with over 15,000 flight hours.

Von Muehlen completed her bachelors from Johns Hopkins University, a certificate in Executive Leadership Training from Darden School at the University of Virginia and is a Six Sigma-certified black belt and master black belt in process improvement. She is completing an executive MBA at the Foster School of Business, University of Washington this spring.

"There are a lot of positive things happening at Horizon Air, including the introduction of new E-175 jets, a new pilot training and career development program, and very good operational performance in the last few months, said Tilden. "The addition of Gary and Constance will do nothing but strengthen Horizon in the years ahead."

### TrueNoord chooses Richard Jacobs as new Head of Sales & Marketing and Carst Lindeboom new Sales Director

**T**ruenoord, a regional aircraft lessor headquartered in Amsterdam, has chosen Richard Jacobs to Head of Sales & Marketing and Carst Lindeboom as new Sales Director. The organisation is expanding its senior management with significant portfolio growth and emerging worldwide opportunities.

Jacobs started his career in 1992 with Fokker Aircraft, as an accident investigator. After the demise of Fokker Aircraft, he continued to work with the product support company, Fokker Services, as Vice President for Marketing & Sales. He left Fokker in 2006 to become Managing Director of Mass Lease and Fleet Manager for the affiliated regional airlines VLM Airlines and Denim Air. He completed graduation in Aeronautical Engineering from Delft, Netherlands.

Lindeboom began his career in aviation working for Denim Air as Sales Director until he joined TUI Airlines in 2016 as Commercial Area Manager for the Caribbean. He later became Postholder Ground Operations for Amsterdam Airlines. Prior to TrueNoord, he has worked for several regional aircraft lessors and has gained valuable skills and experience working in different disciplines of the various airline organisations. He holds a Master's degree in Technology Management from the University of Groningen.

Anne-Bart Tieleman, CEO of TrueNoord comments, "Richard and Carst bring a new dimension and depth of knowledge to the team. As two respected professionals in the regional aircraft leasing market, their broad insight, commercial acumen and experience in the global marketplace will be an asset to TrueNoord as we continue to pursue our focused strategy of steady growth in the sector."



## Etihad Aviation Group names Mark Powers as new Group Chief Financial Officer

**E**sterline Corporation, a leading manufacturing company serving principally aerospace and defense markets, has appointed Stephen Nolan as Chief Financial Officer, effective February 5, 2018. Robert George, who has been with Esterline as Chief Financial Officer for 21 years, will remain with the company in a special advisory role to help ensure a flawless transition before retiring in June 2018.

Esterline CEO Curtis Reusser said, "As a valued team member and leader, Bob helped Esterline grow into a strong, multi-billion dollar global company during his tenure. I'm pleased to congratulate him on his well-earned retirement and am grateful for his many significant contributions. We are also excited to welcome Stephen, who has extensive experience within the aerospace and defense sector, an impressive track record of strategic execution, and a history of success serving in senior financial and business management roles in global manufacturing environments. I know

his expertise in financial and strategic planning, and his results-oriented business leadership will offer valuable perspective to help Esterline achieve its objectives."

Nolan has more than 15 years of experience in operational and strategic finance, most recently serving as Chief Financial Officer for Vista Outdoor, Inc. Nolan was instrumental in the formation and spin-off of Vista Outdoor from its aerospace and defense parent company Alliant Techsystems (ATK) in 2015, as well as the related merger between ATK and Orbital Sciences to create Orbital ATK. These transactions unlocked more than \$1.5 billion in shareholder value. Nolan quickly and effectively put together functional teams and financial infrastructure for Vista Outdoor, helping the company operate independently in less than a year. Prior to that, he spent nearly a decade in strategic and operational management roles with ATK, including Senior Vice President for Strategy and Business Development and several

business unit leadership positions. Earlier in his career, Nolan served for five years in corporate development and strategy roles at Raytheon Company.

Nolan began his career in engineering and business consulting. He has a bachelor's degree in engineering from Trinity College at the University of Dublin, a master's degree in civil engineering from the University of Massachusetts Amherst, and an MBA from the Massachusetts Institute of Technology.

*Mark Powers*  
Etihad Aviation Group



## SITA names Diana Einterz as President, Americas

**S**ITA, the world's leading specialist in air transport communications and information technology, has appointed Diana Einterz as SITA President, Americas. She will be responsible for developing and driving the strategic direction for SITA in the region leading SITA's team that manages the delivery of solutions to airlines, airports and governments across the Americas.

Diana worked in Orange Business Services (OBS), a key SITA partner, where she was Executive Vice President of the French Major Clients Division. While there, she held a series of global leadership roles during her 11-year career, including Senior Vice President for the Americas region. Diana also spent seven years with Equant where she led customer

services, field operations and integration services. Prior to Equant, Diana served in a variety of executive posts for AT&T.

Barbara Dalibard, SITA, CEO, said, "Technology is transforming the air transport industry and SITA is partnering with airlines, airports and governments across the Americas during this transformation. Diana's depth of experience delivering technology and network solutions to support businesses as they evolve and meet competitive challenges will be instrumental in this role. She will lead our team in the Americas as we continue to drive greater efficiencies and create a more seamless passenger experience for our customers throughout the region."

Diana completed her studies in Mathematics and Computer Science from McGill University in Montreal, Canada. She will be based at SITA's Americas' headquarters in Atlanta, USA.

*Diana Einterz*  
SITA





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# International Events

EVENT	DATE	VENUE
<b>Singapore Air Show</b>	6-11, February 2018	Changi Exhibition Centre
<b>8th Annual Aerospace Raw Materials &amp; Manufacturers Supply Chain Conference</b>	12, March 2018	Beverly Hills, CA.
<b>32nd Annual Commercial Aviation Industry Suppliers Conference</b>	12-14, March 2018	Beverly Hills, CA.
<b>MRO Americas</b>	10-12, April, 2018	Orlando, FL, USA
<b>Asian Business Aviation Conference &amp; Exhibition (ABACE2018)</b>	17-19, April, 2018	Shanghai, China
<b>AP&amp;M Europe</b>	29-31, May, 2018	London, UK
<b>European Business Aviation Convention &amp; Exhibition (EBACE2018)</b>	29-31, May, 2018	Geneva
<b>MRO Europe</b>	16-18, October 2018	Amsterdam, Netherlands
<b>NBAA Business Aviation Covention &amp; Exhibition (NBAA-BACE)</b>	16-18, October 2018	Orlando, Florida
<b>MRO Asia-Pacific</b>	13-15, November 2018	Singapore



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