





Aviation from Young Professional's Point of View

By: Kleopas Danang Bintoroyakti, ICAO Young Aviation Professional 2017







Kleopas Danang Bintoroyakti Young Aviation Professional 2017

Education:

Gonzaga College Catholic High School, Jakarta, Indonesia (2003-2006)

Bachelor of Arts in Mass Communications and Politics **Atma Jaya Yogyakarta University, Indonesia** (2006 – 2009)

Masters of Science in Air Transport Management and Operations **Coventry University, United Kingdom** (2015 – 2016)

Work Experience:

Weber Shandwick Indonesia, Senior Consultant Standwick (2010 – 2013) AirAsia Indonesia (2013 – 2015) Communications Executive PT Angkasa Pura Solusi (2016 – 2017) Business Development Manager ICAO, Young Aviation Professional Officer (2017 – Present)

Key Aviation Projects:

Corporate Communications, Crisis Communications (First-hand Experience), Government Relations, Safety Communications















Brief Information about where I come from...



More than 260 million population

127 million air passengers as of 2016

+- 19 scheduled airlines 45 non-scheduled airlines

More than 270 airports (28 International)

3 time zones, more than 17,000 islands



More than **65,000** people in Indonesia work for Aviation sector Technical and Non-Technical (managerial) +- 10,000 Pilots*, +- 1,488 ATC officers*, +- 3,948 FOOs**, +- 12,648 flight attendants** +- 7,217 Aircraft Technician**

*data as of 2016 *data as of 2014

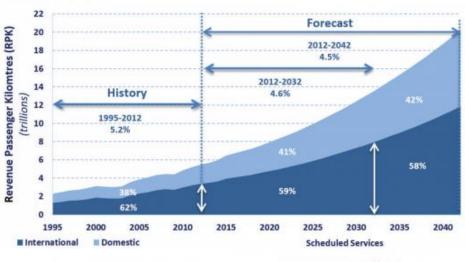






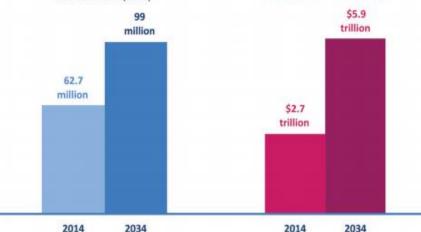
Projection & Benefit

Total passenger traffic: history and forecast



EMPLOYMENT (JOBS)





By 2034, both air passenger traffic and air freight traffic are expected to more than double, compared to 2016. Passenger traffic is expected to reach over 14 trillion RPKs with a growth of 4.5 per cent per annum.

The future growth of air transport will likely depend on sustainable world economic and trade growth, as well as declining airline costs and ticket prices. Other factors, including regulatory regimes (such as liberalization of air transport), technological improvements and fuel costs will also impact future growth.

In 2034, aviation will provide 99 million jobs and generate USD 5.9 trillion in GDP, a 122% increase from 2014.

Source: ICAO, Aviation Benefits Report 2017

Airport development projects: States in all regions gear up to anticipate future demand By Kleopas Danang Bintoroyakti, Young Aviation Professiona



ali International Aiment Incated in Mumbai. Indi

Over the past twenty years, emercing, vies such as Asia-Pacific, Latin America, the Middle East and Africa, for enhancing, the passenger's experienced significant traffic experience. For eddition, the birth of low-cost carriers were only available manually at service and aggressive airline expansion have also contributed to owing passenger and air cargo

With this rapid growth the world' rports must plan today to mee thether through new infrastructure optimization of existing assets. ACI casts indicate that passenger traffic will increase by an average of 5.2% a year to over 14 billion by 2029, and hile most of the growth is expected to come from emerging economies. growth is still expected to be strong in ature markets

required to meet forecas demand. States and airport operators put infrastructure development or their priority list, but budget or fundin remains a challenge for all but the mo mercially successful airport ndeed, airports are asset-inte businesses that require significa apital investment that may take





desks. Airlines have since invested in contribute to increased operational erience has been improved lounges facilities. Airports have become public a culture of continuous service ining a competitive advantage and optimising non-aeronautical revenue

other excellent source

of funds for reinvestment

example 10 years





Driver of Change for the Airline Industry

Society	Technology	Environment	Economy	Politics
Terrorism	Cybersecurity	 International regulation of emissions and noise pollution Resource nationalism Personal carbon quotas 	Global income inequality	Bribery and corruption
 Urbanization and the growth of megacities 	 Expanding human potential 		 Strength and volatility of global economy Price of oil Level of integration along air industry supply chain Shift to knowledge- based economy Privatization of 	Geopolitical (in)stability Government ownership of airspace and critical infrastructure
 Passenger identity and fraud 	Robotics and automation			
Global aging Middle class growth in	 3D Printing and new manufacturing techniques 	Water and food security Environmental activism		Strength of governance Anti-competitive
China and the Asia- Pacific region • New modes of	Virtual and augmented reality	Extreme weather events Rising sea levels and reclaimed habitats Human-controlled weather		 Defense priorities dominate civilian needs
consumption Tensions between data privacy and surveillance 	Internet(s) of Things Alternative fuels and energy sources		infrastructure • Concentration of wealth into a "Barbell economy"	 Shifting borders, boundaries, and sovereignty
Global population growth driven by Asia and Africa	New aircraft designs Alternative modes of rapid transit	Circular economy Infectious disease and pandemics	Unionization of labor and regional independence	 Increasing influence of alternative regional and global institutions
 Shifting ethnic, political and religious identity 	Geospatial technology		 Open data and radical transparency 	Trade protection and open borders
 Disability, fitness and health 			 Changing nature of work and competition for talent 	Rise of populist movements



Figure 2: 50 Drivers of Change for the Airline Industry

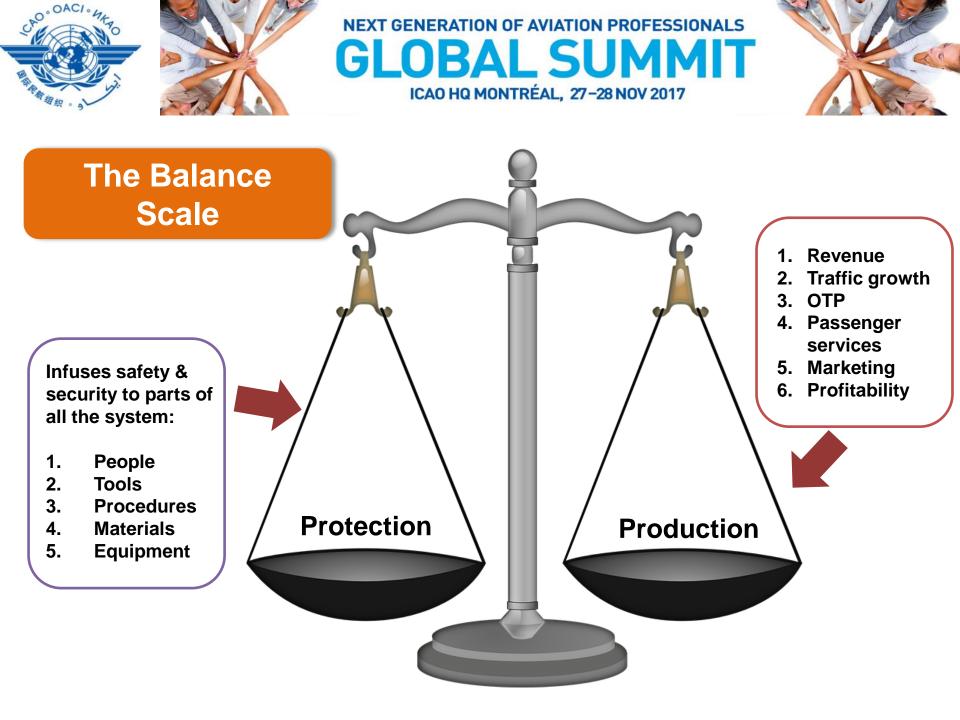


Source: Future of the Airline Industry 2035, IATA & SOIF. https://www.iata.org/policy/Documents/iata-future-airline-industry-pdf.pdf





COMPLEX, HIGHLY REGULATED AND DYNAMIC







Working in Aviation

ADVANTAGES

- 1. Travel Benefits
- 2. Good Compensation
- 3. Health Benefits, pensions
- 4. Multicultural Environment
- 5. Personality Improvement
- 6. Trainings
- 7. International Exposure
- 8. Skillset transfer

CHALLENGES

- 1. High Investment
- 2. Highly regulated
- 3. Culture, Language Barrier
- 4. Gender Equality
- 5. 24/7 Business
- 6. Prone to Crisis
- 7. Stress, pressure, fatigue
- 8. Visa restrictions





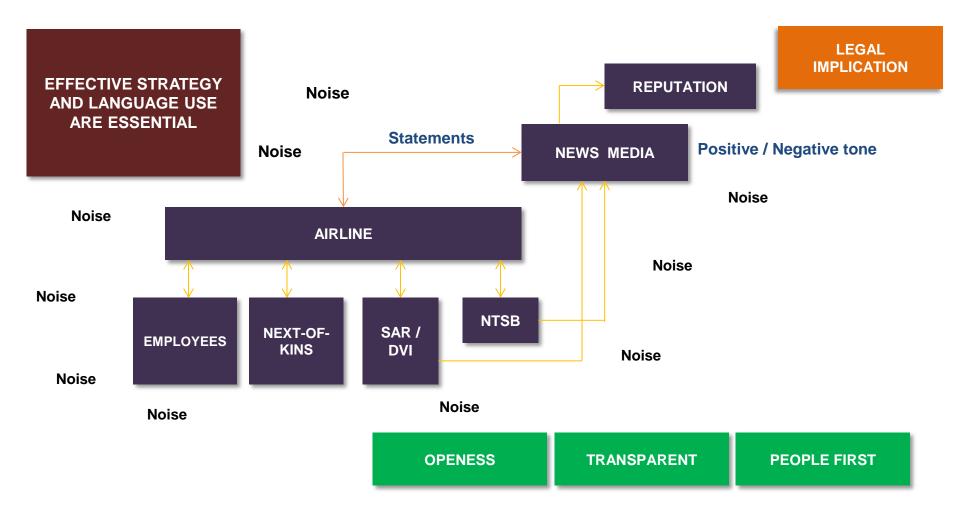
Next Generation Professional Available Careers in Aviation



Question: How to attract and how to retain them to work with the industry?



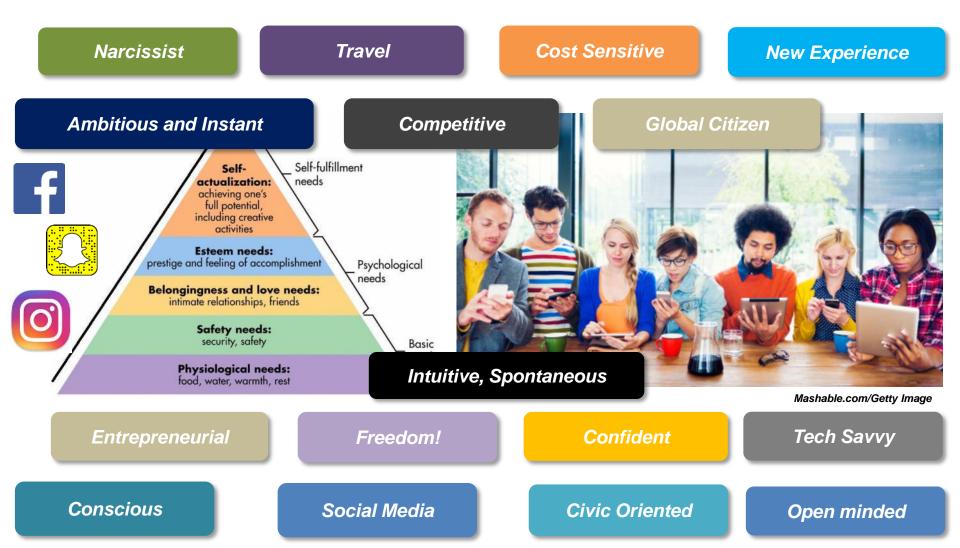
Aviation PR: Crisis Communication







The Future? – MILLENIALS









Conclusion – Proposed Strategy

INTRODUCE AVAILABLE CAREER PATH IN AVIATION

EDUCATE ABOUT AVIATION INDUSTRY & INVOLVE THEM SINCE YOUNG AGE

PROMOTE AVIATION CAREERS WITHOUT GENDER-BIASED

RESPECT OTHER SKILLSET

OPTIMIZE DIGITAL TECHNOLOGY, CUTTING EDGE RECRUITMENT

SUPPORTING POLICY TO MAKE AVIATION EDUCATION MORE AFFORDABLE

SCHOLARSHIPS

SET CLEAR PROCEDURE, GOALS AND GUIDANCE

POLICY TO BRIDGE THE GAP BETWEEN SENIORS AND AB-INITIO

EQUAL OPPORTUNITIES FOR BOTH TRAINING & CAREER PROGRESSION

FLEXIBILITY FOR AVIATION PROFESSIONAL TO WORK ANYWHERE IN THE WORLD

DEVELOP AN OPEN, FUN, EMPLOYEE CENTERED AND FAIR CORPORATE CULTURE

LISTEN TO THEIR ASPIRATION AND GIVE THEM SELF-ASSUREDNESS





Involve the Aviation Enthusiast Community



Members:

Website: 22,109 Twitter Followers: 22,180 Instagram Followers: 11,000+ Facebook: 5,926 YouTube: 613

Forum discussion Offline Gathering Plane Spotting Die Cast Collector Flight Simulator Promoting Safety Aviation Education











"Take-off is Optional, Landing is Mandatory" Thank You!

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