

# 2021 ATRS Global Airport Performance Benchmarking

## 2021 ATRS Airport Efficiency Award Winners

*ATRS Global Airport Performance Benchmarking Task Force:*

*Founding Chairman – Tae Oum; Coordinator - Chunyan Yu*

*Asia Pacific: Peter Forsyth, Xiaowen Fu, Shinyan Hanaoka, Yeong-Heok Lee*

*Japhet Law, Yuichiro Yoshida*

*Europe: Nicole Adler, Jaap de Wit, Hans-Martin Niemeier, Eric Pels*

*North America: Bijan Vasigh, Jia Yan, Chunyan Yu*

*Middle East: Paul Hooper*

**Air Transport Research Society (ATRS)**

[www.atrsworld.org](http://www.atrsworld.org)



# ATRS Airport Benchmarking Project

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- ❑ To provide a comprehensive, unbiased comparison of airport performance focusing on
  - **Productivity, Efficiency, Cost Competitiveness**
  - **Financial Results**
  - **Comparison of Airport Charges**
  
- ❑ 2021 - the 20<sup>th</sup> edition of ATRS Global Airport Benchmarking Report

# Dramatic Changes in the Airport Industry Landscape

	Airport	Total Passengers 2000		Airport	Total Passengers 2019		Airport	Total Passengers 2020
1	ATLANTA (ATL)	80 162 407	1	ATLANTA GA, US (ATL)	110 531 300	1	Guangzhou (CAN)	43 760 427
2	CHICAGO (ORD)	72 144 244	2	BEIJING, CN (PEK)	100 011 438	2	Atlanta (ATL)	42 918 685
3	LOS ANGELES (LAX)	66 424 767	3	LOS ANGELES CA, US (LAX)	88 068 031	3	Chengdu (CTU)	40 741 509
4	LONDON (LHR)	64 606 826	4	DUBAI, AE (DXB)	86 396 757	4	Dallas/Fort Worth (DFW)	39 364 990
5	DALLAS/FT WORTH (DFW)	60 687 122	5	TOKYO, JP (HND)	85 505 054	5	Shenzhen (SZX)	37 916 059
6	TOKYO (HND)	56 402 206	6	CHICAGO IL, US (ORD)	84 649 115	6	Chongqing (CKG)	34 937 789
7	FRANKFURT/MAIN (FRA)	49 360 630	7	LONDON, GB (LHR)	80 888 305	7	Beijing (PEK)	34 513 827
8	PARIS (CDG)	48 246 137	8	SHANGHAI, CN (PVG)	76 153 455	8	Denver (DEN)	33 741 129
9	SAN FRANCISCO (SFO)	41 040 995	9	PARIS, FR (CDG)	76 150 009	9	Kunming (KMG)	32 989 127
10	AMSTERDAM (AMS)	39 606 925	10	DALLAS/FORT WORTH, US (DFW)	75 066 956	10	Shanghai Hongqian (SHA)	31 165 641
11	DENVER (DEN)	38 751 687	11	GUANGZHOU, CN (CAN)	73 386 153	11	Xi'an (XIY)	31 073 884
12	LAS VEGAS (LAS)	36 865 866	12	AMSTERDAM, NL (AMS)	71 706 999	12	Haneda (HND)	30 965 000
13	MINNEAPOLIS/ST PAUL (MSP)	36 751 632	13	HONG KONG, HK (HKG)	71 415 245	13	Chicago O'Hare (ORD)	30 860 251
14	SEOUL (SEL)	36 727 124	14	INCHEON, KR (ICN)	71 204 153	14	Shanghai Pudong (PVG)	30 476 531
15	PHOENIX (PHX)	36 040 469	15	FRANKFURT, DE (FRA)	70 556 072	15	Los Angeles (LAX)	28 779 527
16	DETROIT (DTW)	35 535 080	16	DENVER CO, US (DEN)	69 015 703	16	Delhi (DEL)	28 501 000
17	HOUSTON (IAH)	35 251 372	17	NEW DELHI, IN (DEL)	68 490 731	17	Hangzhou (HGH)	28 224 342
18	NEWARK (EWR)	34 188 468	18	SINGAPORE, SG (SIN)	68 283 000	18	Charlotte (CLT)	27 200 000
19	MIAMI (MIA)	33 621 273	19	BANGKOK, TH (BKK)	65 421 844	19	Dubai (DXB)	25 900 000
20	MADRID (MAD)	32 893 190	20	NEW YORK NY, US (JFK)	62 551 072	20	Istanbul (IST)	23 409 000


		<b>Non-Stop Destinations Oct 2019</b>	<b>Flights Oct 2019</b>	<b>Seats Oct 2019</b>			<b>Non-Stop Destinations Oct 2020</b>	<b>Flights Oct 2020</b>	<b>Seats Oct 2020</b>
1	CDG	297	20,461	3,884,017	1	IST	260	7,542	1,450,405
2	FRA	288	21,583	4,072,719	2	AMS	223	9,055	1,496,304
3	IST	283	18,709	3,736,256	3	CDG	221	6,687	1,192,645
4	AMS	261	21,104	3,626,361	4	PVG	215	15,133	2,634,487
5	PEK	245	24,424	5,293,273	5	DFW	214	21,034	2,444,198
6	DFW	236	29,728	3,750,117	6	FRA	210	7,216	1,250,386
7	ORD	233	39,525	4,417,487	7	DXB	209	5,592	1,534,355
8	DXB	224	15,675	4,791,630	8	PEK	198	14,801	3,030,325
9	PVG	222	20,014	3,971,704	9	ORD	192	17,810	1,900,528
10	ATL	220	36,771	5,427,651	10	LHR	189	8,359	1,735,813
11	MUC	213	17,782	2,918,322	11	CAN	183	18,380	3,459,338
12	SVO	207	15,470	2,656,929	12	VIE	182	4,925	785,272
13	BCN	203	14,660	2,801,916	13	DEN	176	18,749	2,502,735
14	DEN	199	27,061	3,535,830	14	SZX	156	14,985	2,793,541
15	LHR	195	20,694	4,402,226	15	MUC	155	5,144	726,662
16	MAD	195	17,250	3,143,767	16	ATL	154	22,376	3,229,344
17	FCO	195	13,389	2,406,188	17	MAD	147	4,678	830,762
18	VIE	192	11,474	1,833,997	18	STN	147	2,638	490,852
19	LGW	192	11,914	2,261,709	19	CLT	146	15,492	1,685,033
20	GVA	188	5,968	956,489	20	ICN	143	3,234	738,871

## The Airport Efficiency Excellence Awards

- Award Winning Airports are decided by efficiency rankings as measured by **residual Variable Factor Productivity** (R-VFP) Index in their respective region and size categories.
- Efficiency is particularly of vital importance now as airports continue on their journey of recovery from the dramatic downturn inflicted by the COVID 19 Pandemic



# The Airport Efficiency Excellence Awards



# ATRS Award of Excellence

*Presented to*

## **Hong Kong International Airport**

*In recognition of Achieving*

*2021 Top Asian Airport Efficiency Excellence*

*In the over 40 million passengers per year category*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021



# ATRS Award of Excellence

*Presented to*


## Sydney Airport

*In recognition of Achieving  
2021 Top Oceanian Airport Efficiency Excellence*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021







# ATRS Award of Excellence

*Presented to*

**EuroAirport**  
**Basel-Mulhouse-Freiburg**

*In recognition of Achieving*  
*2021 Top European Airport Efficiency Excellence*  
*In the under 15 million passengers per year category*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021



# ATRS Award of Excellence

*Presented to*

## Copenhagen Airport

*In recognition of Achieving  
2021 Top European Airport Efficiency Excellence  
In the 15-40 million passengers per year category*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021





# ATRS Award of Excellence


*Presented to*

## Istanbul Airport

*In recognition of Achieving  
2021 Top European Airport Efficiency Excellence  
In the over 40 million passengers per year category*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021





# ATRS Award of Excellence

*Presented to*

## Eppley Airfield


*In recognition of Achieving*

*2021 Top North American Airport Efficiency Excellence*

*In the under 5 million passengers per year category*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021





# **ATRS Award of Excellence**

*Presented to*


## **Louis Armstrong New Orleans International Airport**

*In recognition of Achieving  
2021 Top North American Airport Efficiency Excellence  
In the 5-15 million passengers per year category*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021







# **ATRS Award of Excellence**

*Presented to*

## **Minneapolis–St. Paul International Airport**


*In recognition of Achieving*

*2021 Top North American Airport Efficiency Excellence  
In the 15-40 million passengers per year category*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021







# ATRS Award of Excellence

*Presented to*

## **Hartsfield-Jackson Atlanta International Airport**

*In recognition of Achieving*

*2021 Top North American Airport Efficiency Excellence*

The Air Transport Research Society  
Global Airport Benchmarking Taskforce  
August 2021



*Thank You!*

## ATRS Airport Benchmarking Report and Database



- ❑ The ATRS Global Airport Performance Benchmarking Report : 3 volumes, over 600 pages of valuable data and analysis.
- ❑ Details at [www.atrsworld.org](http://www.atrsworld.org)
- ❑ The project is funded entirely by sales of reports and database