

Supporting
European
Aviation



Global cyber threats

ICAO EUR/NAT – DGCA

Patrick MANA

EATM-CERT Manager



Leonardo
 Company / Kopter Group
 20 6H 58 S
 Secret data link: Hidden
 Password: Hidden

Kopter Group (Leonardo) have been hacked and data locked and stolen. They do not write to us so we will publish all data in 72 hours. Some example files have been uploaded for proof - 2019-12-17_Statement_of_Accounts_-_Sales_Contracts.xlsx Avionic_Elec_Detailed_Plan.xlsm Projekt LINDEN - Linden_Finance Q&A_05122019_V1.xlsx Projekt LINDEN - Linden_Finance Q&A_05122019.xlsx Projekt LINDEN - Linden_Finance Q&A_06122019_CTI.xlsx Projekt LINDEN - Linden Tax 191205_GA List Tax.xlsx All data release in final upload.



4 DEC 2020 NEWS

Aerospace Giant Embraer Downed by Suspected Ransomware

Manufacturing giant Aebi Schmidt hit by ransomware

Zack Whittaker @zackwhittaker / 11:04 PM GMT+2 • April 23, 2019



Boeing Hit by Cyberattack, Says Jetliner Production Not Affected

Aircraft production and deliveries aren't affected, the airplane manufacturer said.

Bloomberg
 MAR 29, 2018

Airbus hit by series of cyber attacks on suppliers

Facebook, WhatsApp, Twitter, and share icons
 Issued on: 26/09/2019 - 09:26



Saturday, 12 December 2020 08:38

Dassault subsidiary in US hit by Windows Ragnar Locker ransomware

Featured

Tech Giant GE Discloses Data Breach After Service Provider Hack

By Sergiu Gatlan

March 23, 2020 05:47 PM 0





Home / About / SFO News / NOTICE OF DATA BREACH: March 2020

NOTICE OF DATA BREACH: March 2020

Click [Here](#) for Notice

April 7, 2020

TO: All Airport Commission Employees

FROM: Airport ITT

SUBJECT: Notice of Data Breach

Source: Hacker holding Cleveland Hopkins International Airport systems hostage demands ransom via Bitcoin



By [Paul Orioulsky](#) | April 25, 2019 at 4:20 PM EDT - Updated April 26 at 10:46 AM

AIRLINE NEWS

Israeli Flight Attendant Sold Access to Private Passenger Information and Airline Systems in Major Security Breach



7TH JUNE 2020

EasyJet admits data of nine million hacked

By [Jane Wakefield](#)
Technology reporter

© 19 May

British Airways fined £20m over data breach

© 16 October 2020 | Technology



European Airport Systems Infected With Monero-Mining Malware

By [Sergiu Gatlan](#)

October 17, 2019 11:47 AM 0

SITA cyber attack accesses passenger data for multiple airlines

Bradley International Airport website hit by DDoS cyber attack; no data breach has been reported

Updated: Mar. 29, 2022, 5:34 p.m. | Published: Mar. 29, 2022, 3:40 p.m.

SASKATOON | News

Saskatoon Airport Authority computer system breached in 'sophisticated' cyber attack

Oil tanking and Wisag: Hacker attacks on German companies

2/1/2022, 4:53:54 PM



The attacks from the network are not decreasing: Now it hits an airport service provider and an oil logistician - this apparently can no longer fill tankers.

Russian hackers target Czech websites in a series of cyberattacks

Czech railroads, regional airports, and a public administration portal have been facing cyberattacks from a pro-Russian hacker group Killnet.



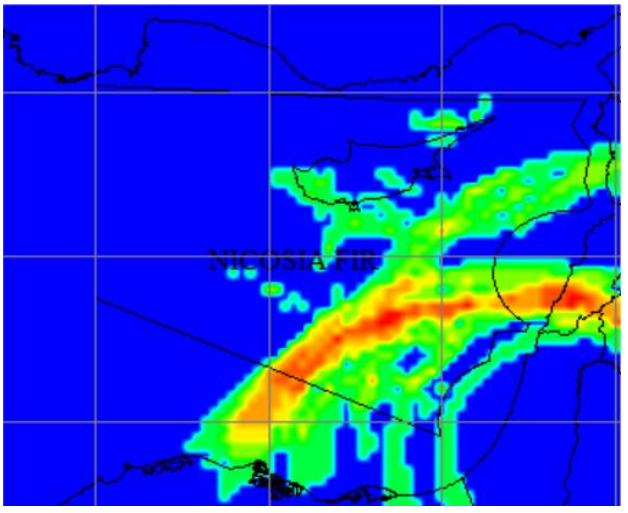
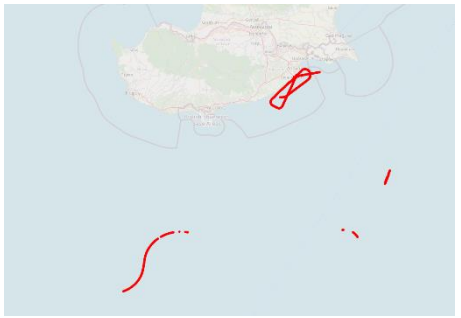
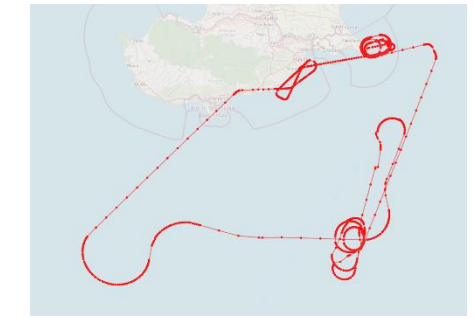
Written by ČTK

Published on 20.04.2022 15:07 (updated on 21.04.2022)

Reading time: 4 minutes

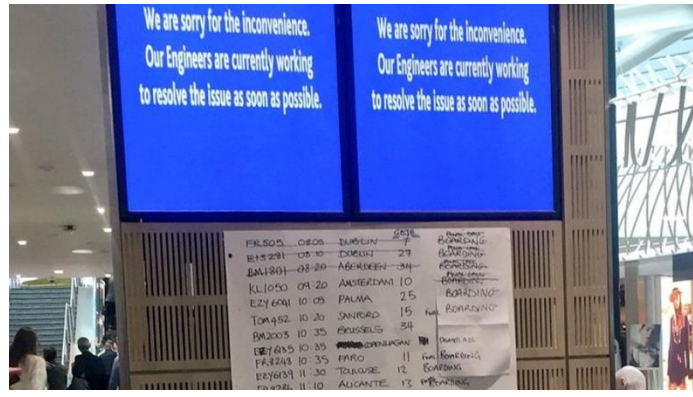
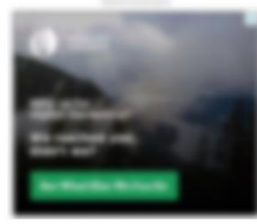
A Cyberattack on Garmin Disrupted More Than Workouts

A ransomware hit and subsequent outage caused problems in the company's aviation services, including flight planning and mapping.



Man hijacks Portland airport monitor to play video games, until PDX officials declare 'game over'

Posted Jan 16, 2020



Airline forced to cancel flights in Alaska after cyberattack

By Associated Press

December 23, 2019 | 12:16pm



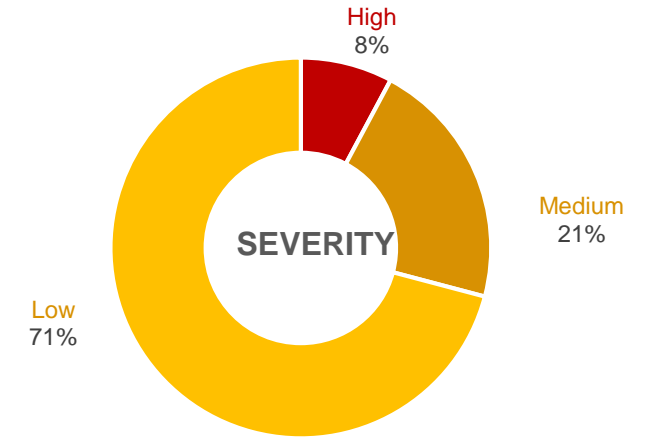
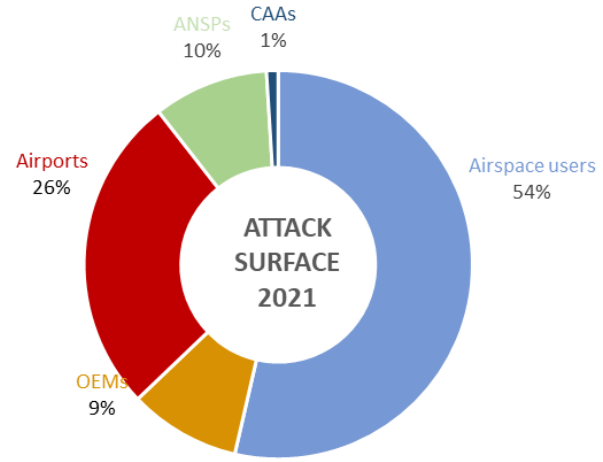
CYBER SECURITY NEWS · 4 MIN READ

Impact of Cyber Attacks on RavnAir More Damaging Than First Thought; Flights May Be Grounded for a Month

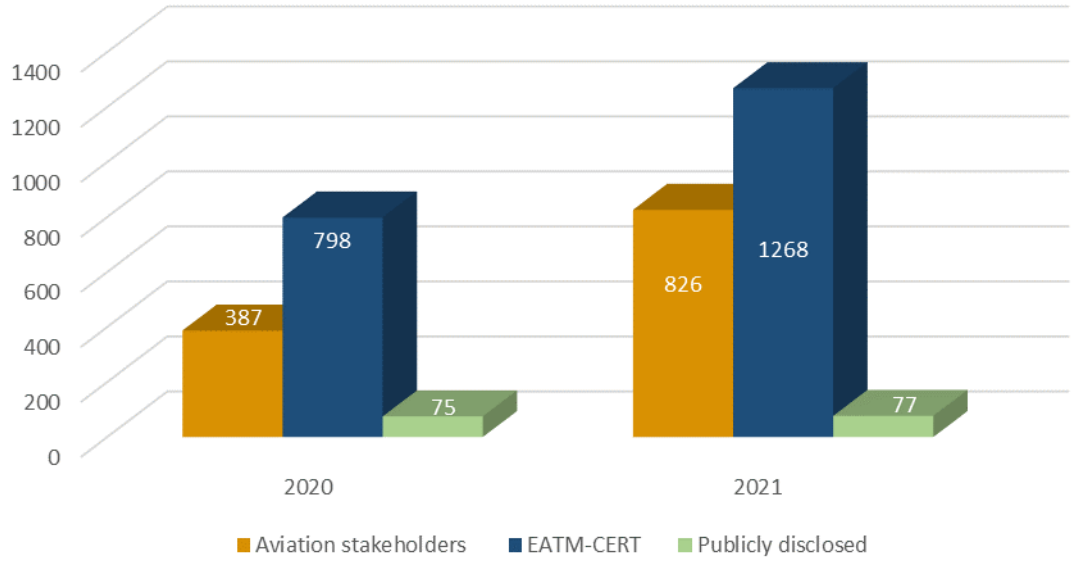
SCOTT IKEDA · JANUARY 14, 2020



EATM-CERT 2022 report on cyber in aviation



EATM-CERT
58%



TLP:GREEN



⚠️ A part of **#Swissport**'s IT infrastructure was subject to a ransomware attack. The attack has been largely contained, and we are working actively to fully resolve the issue as quickly as possible. Swissport regrets any impact the incidence has had on our service delivery.

Lockbit ransomware colpisce la compagnia Aerea Hi Fly



Publicato il 15 Febbraio 2022
By Redazione

Israeli Defense Company E.M.I.T. Aviation Consulting Targeted by LockBit 2.0 Ransomware

🕒 October 4, 2021 👤 CIM Team

E.M.I.T. Aviation Consulting Ltd, an Israeli aerospace and defense company, was targeted by the **LockBit 2.0** ransomware gang. Cyber attackers claim to have stolen information from the firm and threaten to release it on the gang's dark web leak site if the firm does not pay a ransom.

E.M.I.T. Aviation Consulting Ltd came into existence in 1986. The firm has designed and assembled complete aircraft, tactical and sub-tactical UAV systems, and portable integrated reconnaissance systems.

According to the threat intelligence firm **Cyble**, the ransomware gang has stolen databases containing over 6TB of data and is asking a \$50M ransom:

"The threat intelligence firm... (TB) and is asking a \$50M ransom. The..."



ROL

Bangkok Airways hit by LockBit ransomware attack, loses lotsa data after refusing to pay

Partial credit card numbers appear and, worse still, passengers' meal preferences

Laura Dobberstein



Bangkok Airways has revealed it was the victim of a cyberattack from ransomware group LockBit on August 23rd, resulting in the publishing of stolen data.

Bangkok Airways' **announcement** about the matter came last Thursday, a day after LockBit posted a message on its dark web portal threatening the airline to pay a ransom or suffer a data leak.

The airline was given five days to sort payment, but instead of coughing up it disclosed the breach. LockBit responded by publishing the lot. Competing claims about the resulting data dump rate it at 103GB and over 200GB.

Tue 31 Aug

L'École Nationale de l'Aviation Civile frappée avec le ransomware Hive

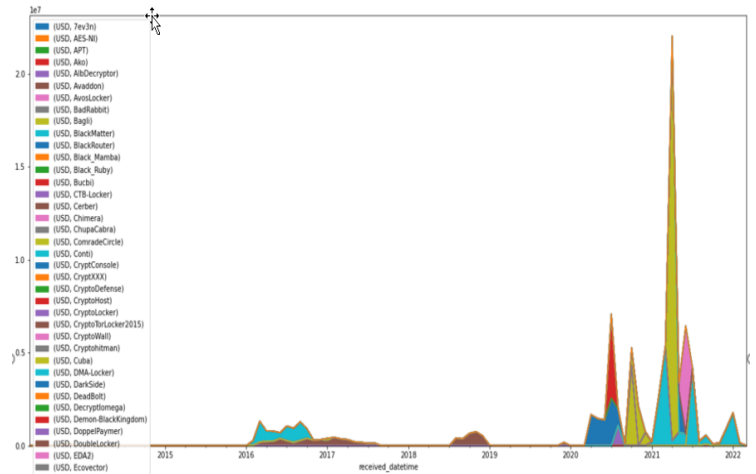
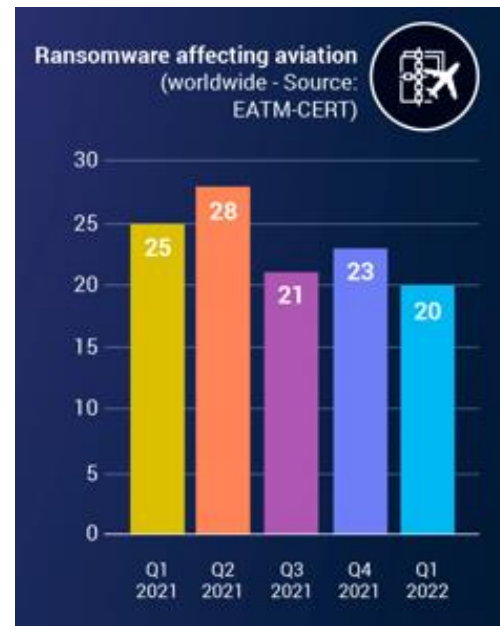
L'ENAC a été frappée, durant le week-end du 12 mars, par une cyberattaque impliquant le ransomware Hive. Ses activités sont fortement perturbées. Une rançon de 1,2 million de dollars est demandée.

Applications et données no13 :

Ransomware in aviation (global)

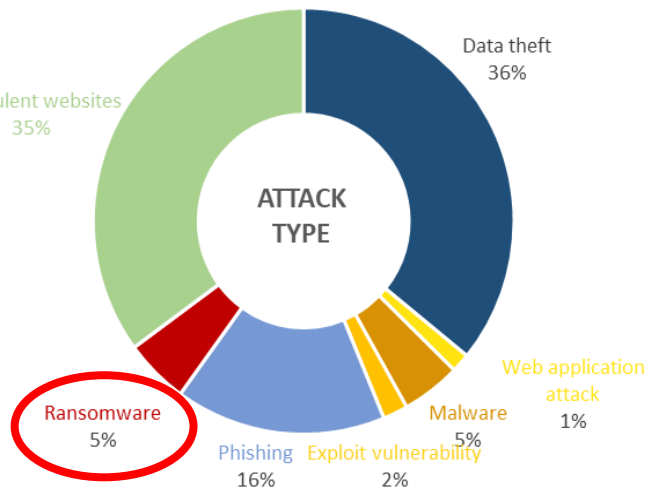
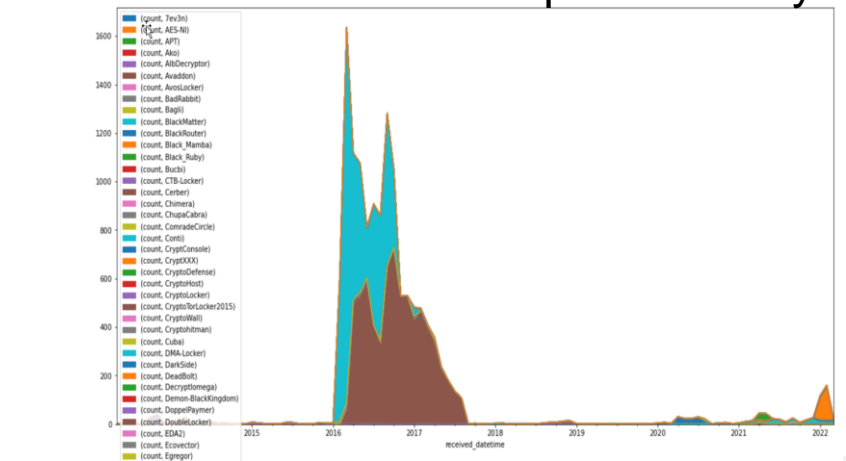
2020
One/week

2021
Two/week



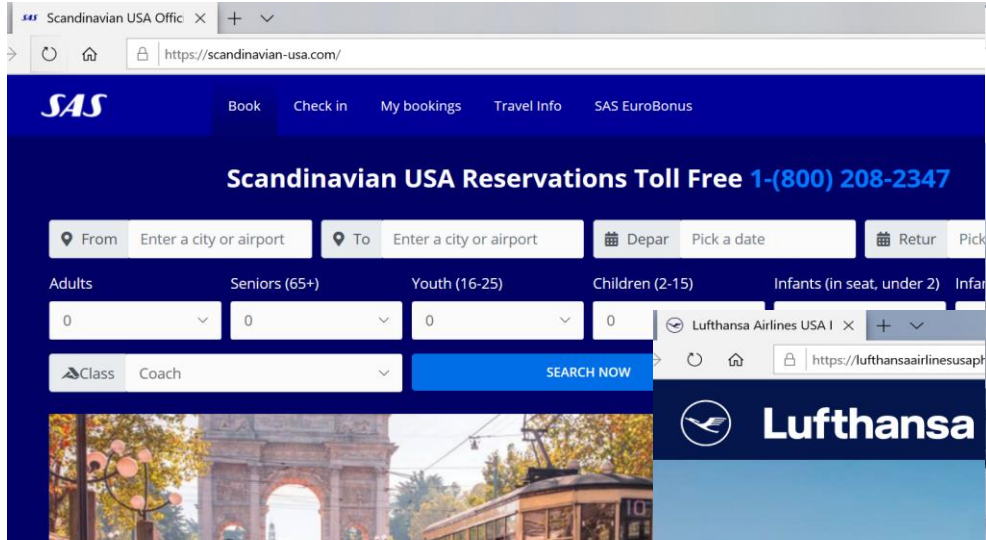
Amount of money earned monthly
All sectors

Number of ransoms paid monthly



Out of 1.260 events

Fraudulent websites impersonating airlines



Scandinavian USA Office x + v
https://scandinavian-usa.com/

SAS Book Check in My bookings Travel Info SAS EuroBonus

Scandinavian USA Reservations Toll Free 1-(800) 208-2347

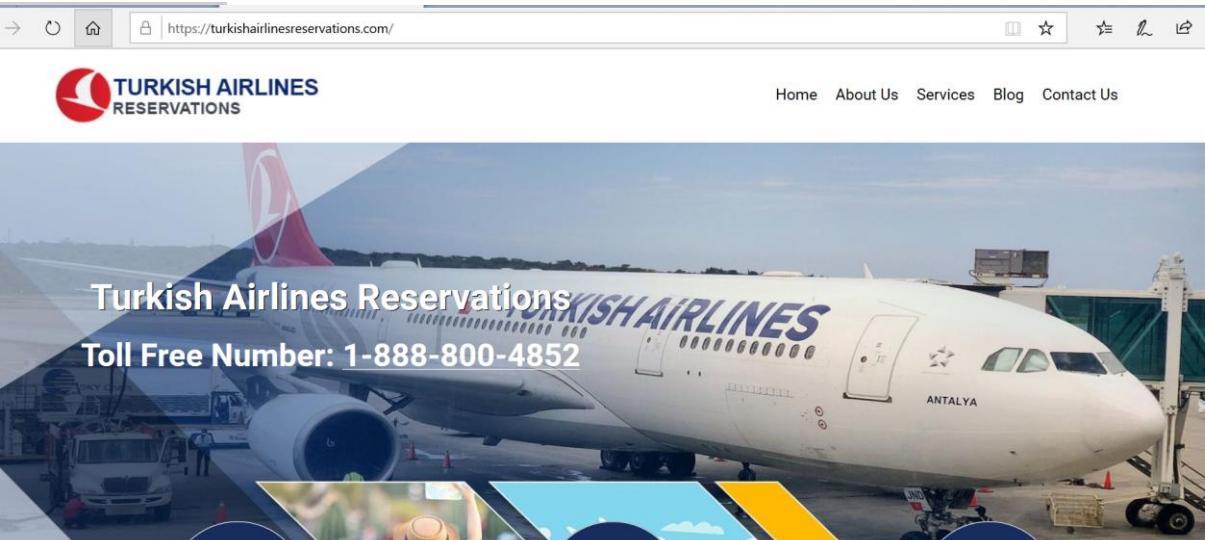
From Enter a city or airport To Enter a city or airport Depart Pick a date Return Pick a date

Adults Seniors (65+) Youth (16-25) Children (2-15) Infants (in seat, under 2) Infants (on lap, under 2)

0 0 0 0 Lufthansa Airlines USA I x + v

Class Coach SEARCH NOW

Lufthansa

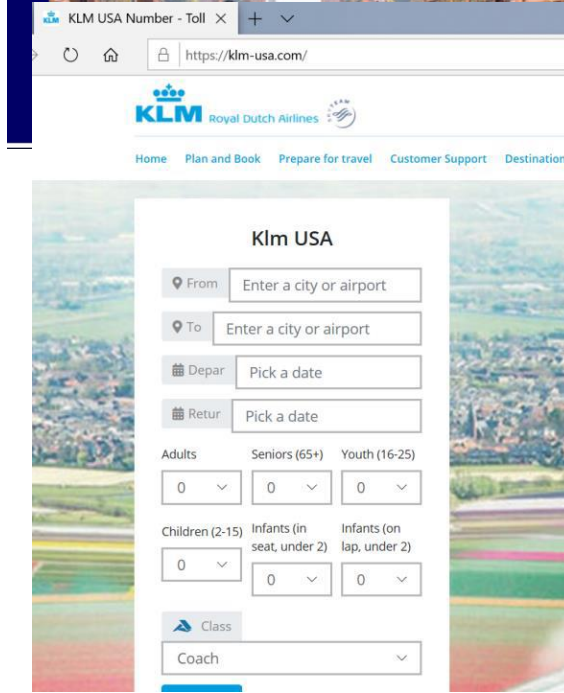


https://turkishairlinesreservations.com/

TURKISH AIRLINES RESERVATIONS Home About Us Services Blog Contact Us

Turkish Airlines Reservations
Toll Free Number: 1-888-800-4852

ANTALYA



KLM USA Number - Toll x + v
https://klm-usa.com/

KLM Royal Dutch Airlines

Home Plan and Book Prepare for travel Customer Support Destinations

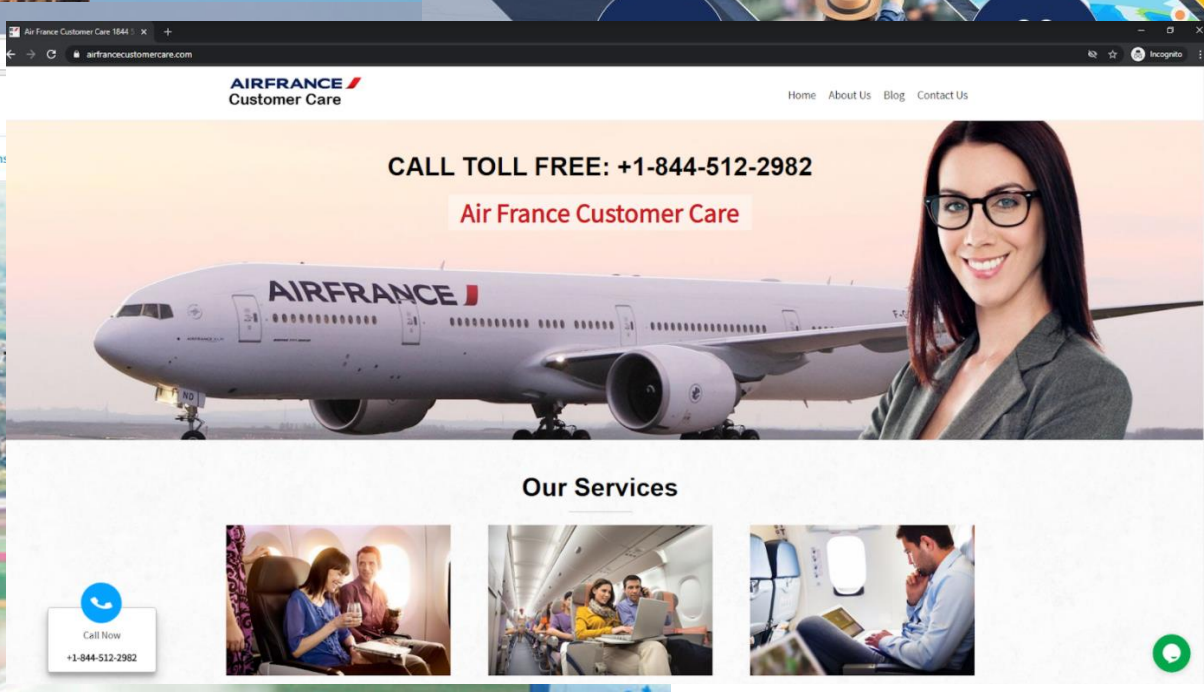
Klm USA

From Enter a city or airport To Enter a city or airport Depart Pick a date Return Pick a date

Adults Seniors (65+) Youth (16-25) Children (2-15) Infants (in seat, under 2) Infants (on lap, under 2)

0 0 0 0 0 0 0

Class Coach



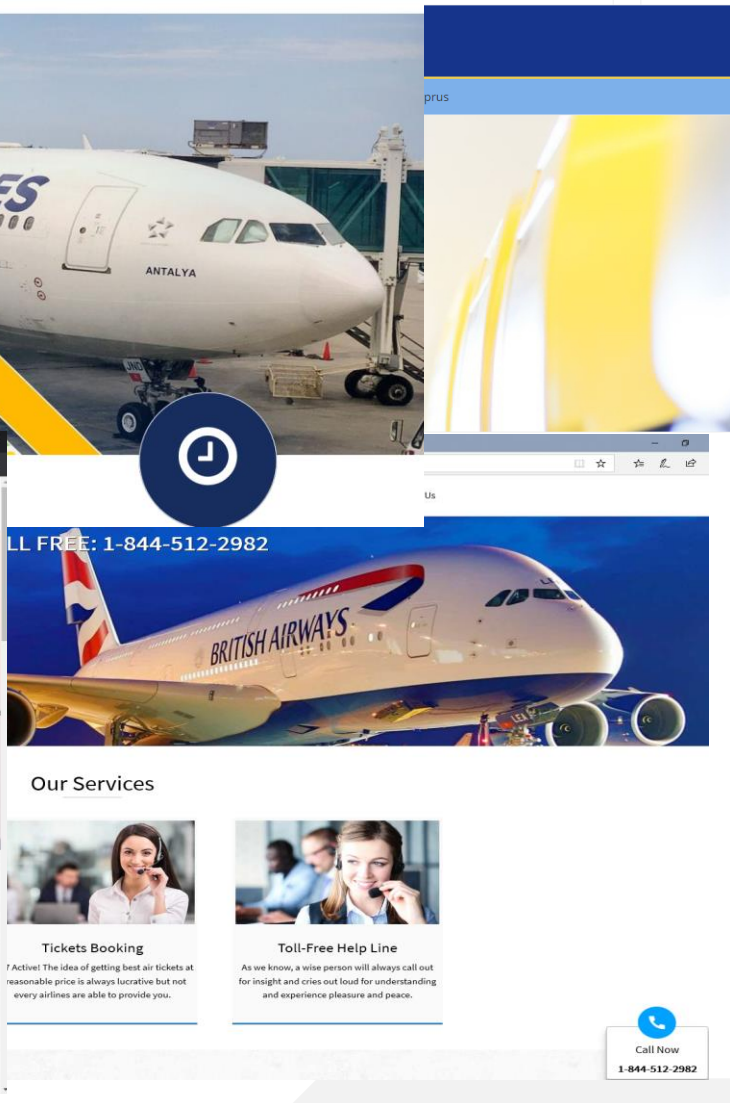
Air France Customer Care 1544 x + v
airfrancecustomercare.com

AIRFRANCE Customer Care Home About Us Blog Contact Us

CALL TOLL FREE: +1-844-512-2982
Air France Customer Care

Our Services

Call Now +1-844-512-2982



https://britishairwaysreservations.com/

Home About Us Services Blog Contact Us

British Airways Reservations
Toll Free: 1-844-512-2982

Our Services

Tickets Booking
Active! The idea of getting best air tickets at reasonable price is always lucrative but not every airlines are able to provide you.

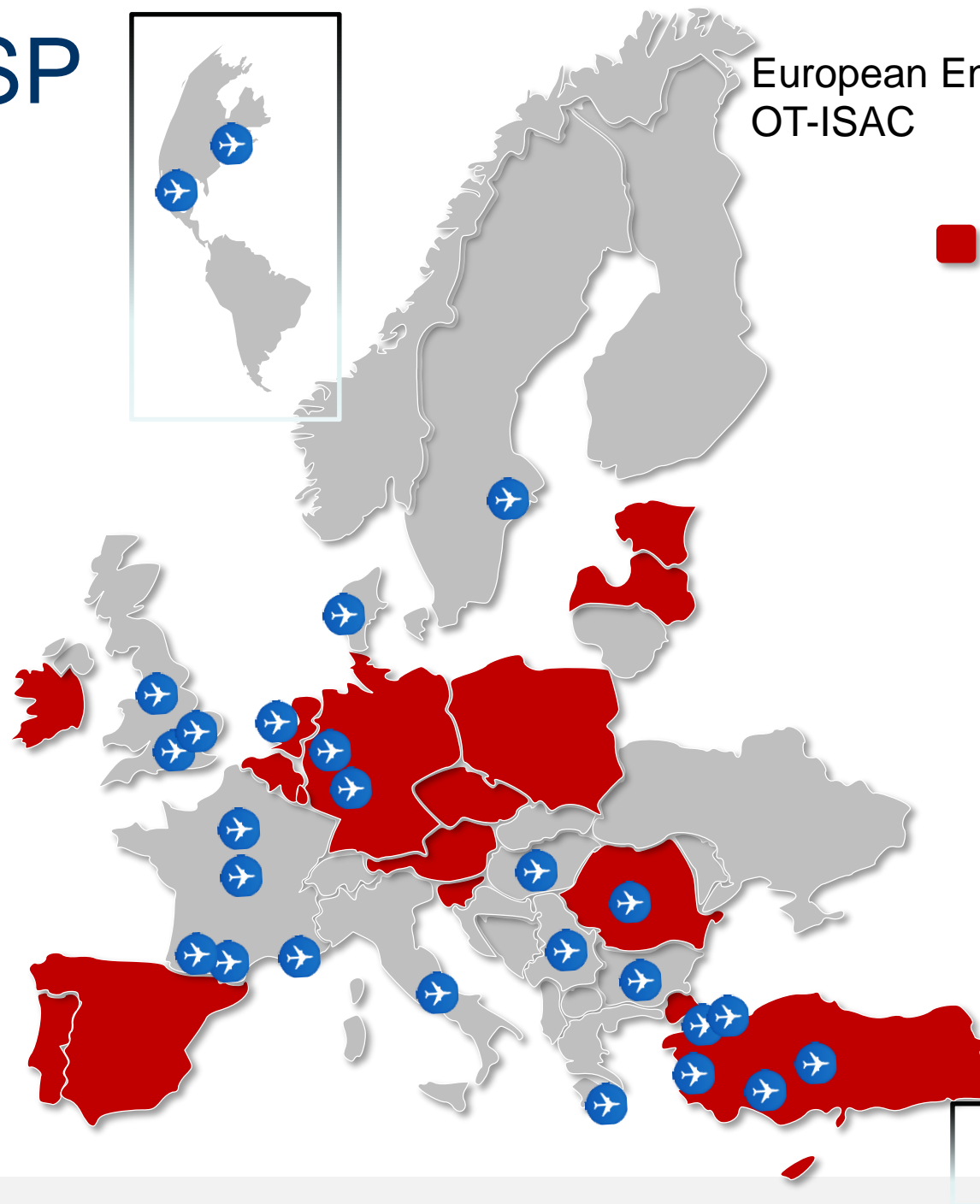
Toll-Free Help Line
As we know, a wise person will always call out for insight and cries out loud for understanding and experience pleasure and peace.

Call Now 1-844-512-2982

Aviation stakeholders

- Bulgaria - BULATSA (ANSP)
- Denmark - NAVIAIR (ANSP)
- Europe - ECCSA (test)
- France - CERT-AIRBUS A/C
- France - Groupe ADP
- France - DSNA
- France - Cert-IST (Thales)
- Germany - Lufthansa Group
- Germany - Frankfurt Airport
- Greece - HANSP
- Hungary - HungaroControl (ANSP)
- International - IATA
- International - AMADEUS
- Italy - Aeroporto Di Roma
- Mexico - Aero Mexico Airlines
- Netherlands - Schiphol Airport
- Romania - CAA-RO
- Serbia - SMATSA (ANSP)
- Sweden - Swedavia (airports)
- Turkey - CERT-THY (Turkish Airlines)
- Turkey - DHMI (ANSP)
- Turkey - IGA Istanbul Airport
- Turkey - Celebi Ground ops
- Turkey - SGIA Airport
- UK - British Airways
- UK - Heathrow Airport
- UK - Manchester Airport Group

MISP



European Energy ISAC
OT-ISAC



NATIONAL CERT/NCSC

- Austria (CERT.at)
- Belgium (CERT.be)
- Cyprus (CSIRT-CY)
- Czech republic (CSIRT.cz)
- Europe .eu (CERT-EU)
- Estonia (CERT-EE)
- Germany (CERT-Bund)
- Ireland (CSIRT-IE)
- Israel (CERTGOVIL)
- Latvia (CERT.LV)
- Luxembourg (CIRCL)
- Netherlands (NCSC-NL)
- Poland (CERT.GOV.PL)
- Portugal (CERT-PT)
- Romania (CERT-RO)
- Slovenia (SI-CERT)
- Spain (INCIBE-CERT)
- Spain (CCN-CERT)
- Turkey (TR-CERT)

Israel

THANK YOU



patrick.mana@eurocontrol.int