

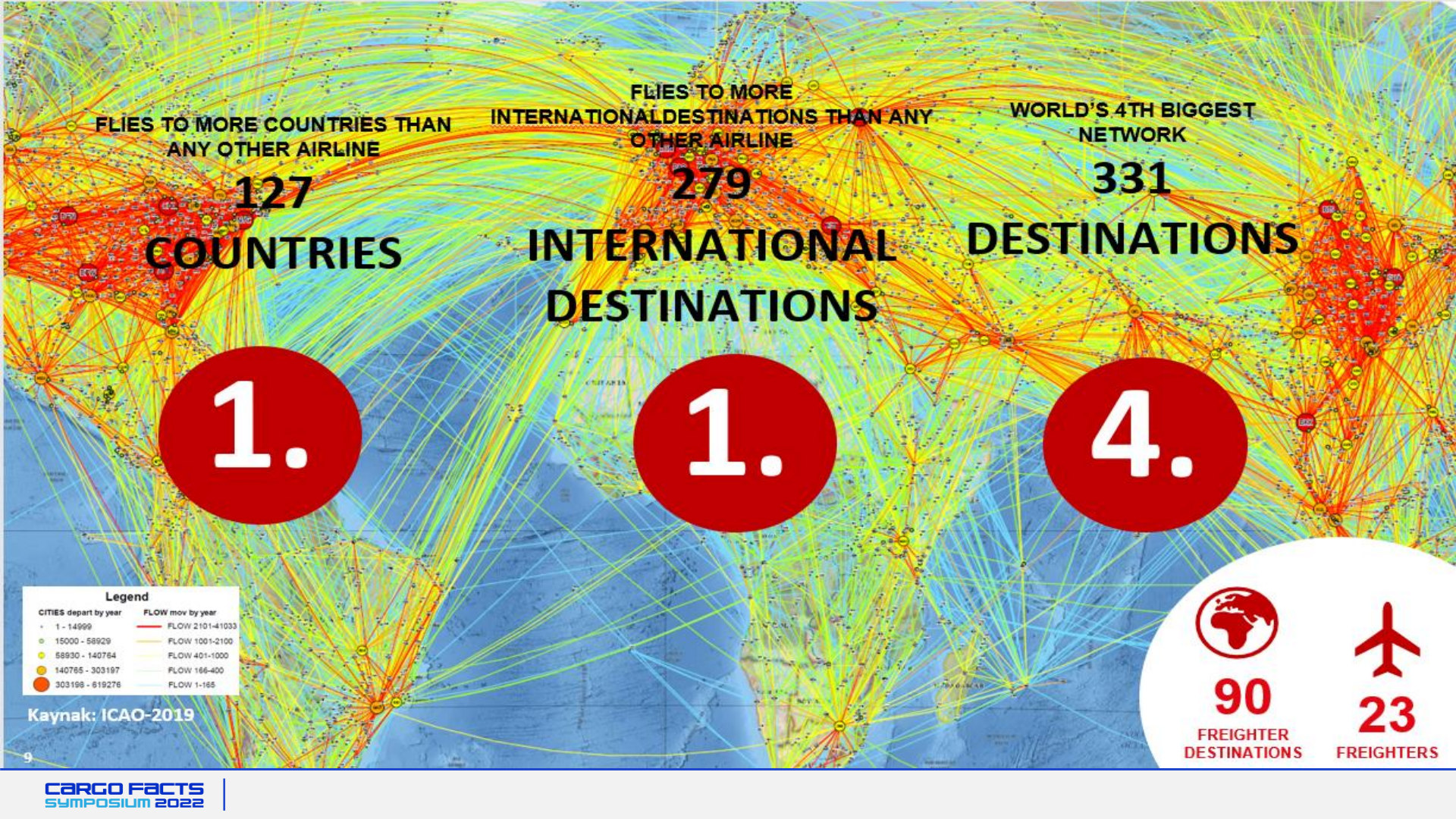
# SUSTAINABILITY IN TURKISH AIRLINES TURKISH CARGO

## CARGO FACTS SYMPOSIUM 2022

Osmannuri Ustabas  
Cargo Business Development and Innovation Manager



**TURKISH CARGO**



FLIES TO MORE COUNTRIES THAN  
ANY OTHER AIRLINE

127

COUNTRIES

1.

FLIES TO MORE  
INTERNATIONAL DESTINATIONS THAN ANY  
OTHER AIRLINE

279

INTERNATIONAL  
DESTINATIONS

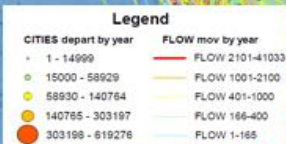
1.

WORLD'S 4TH BIGGEST  
NETWORK

331

DESTINATIONS

4.



Kaynak: ICAO-2019



90

FREIGHTER  
DESTINATIONS



23

FREIGHTERS



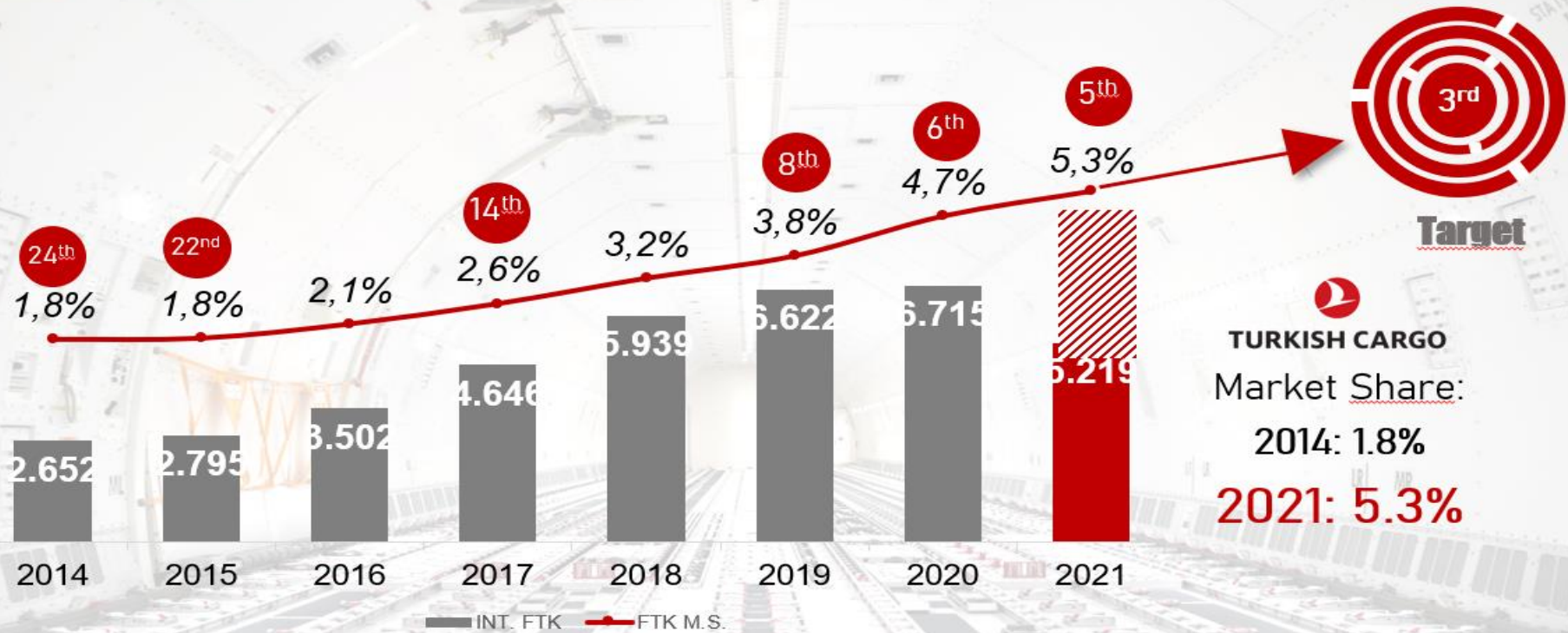


Turkish Airlines' Air Cargo Brand:



**TURKISH CARGO**

Turkish Cargo Overview

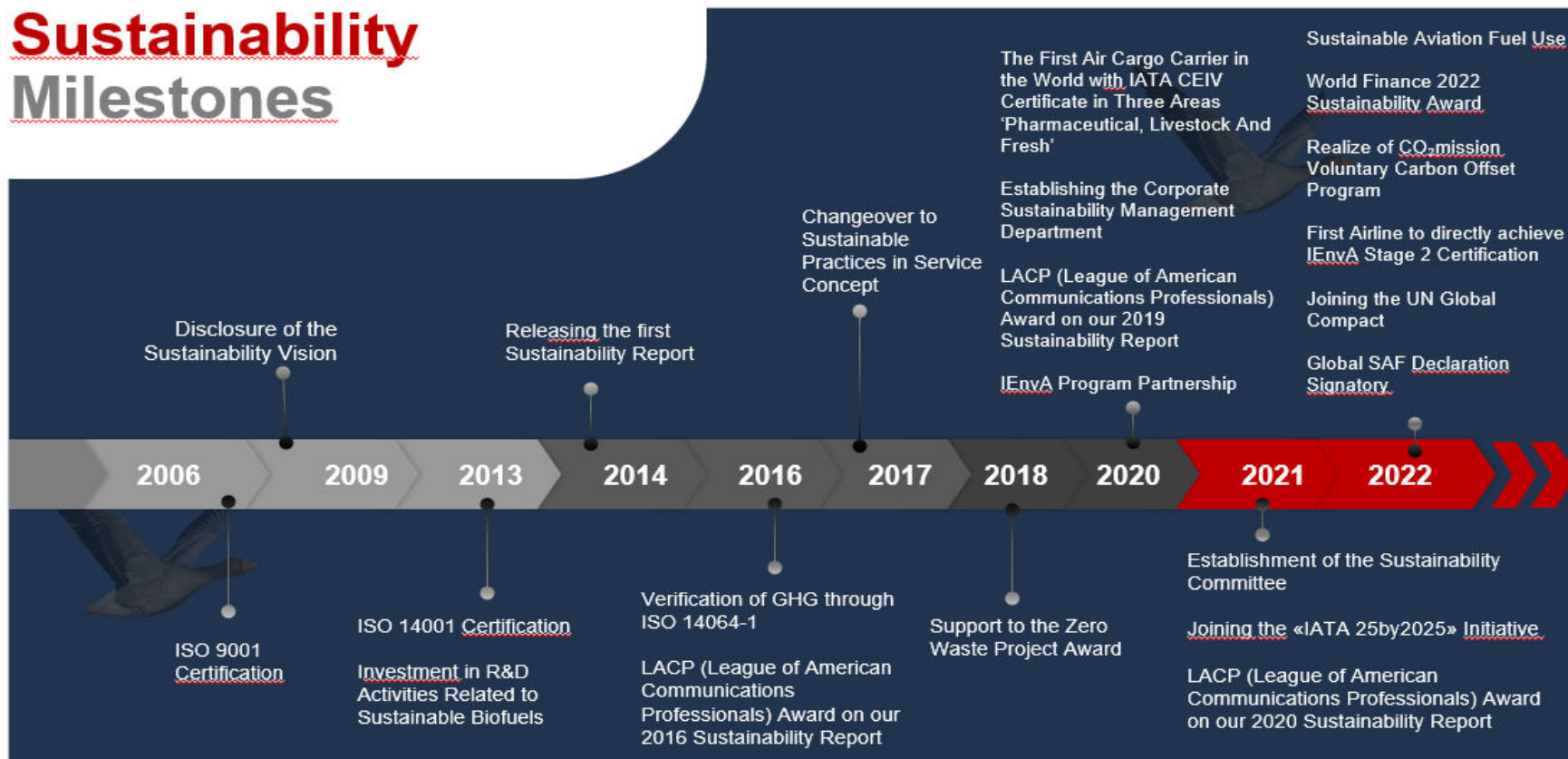


Turkish Cargo's market share grew from 4.7% in 2020 to 5.3% in 2021. While the market FTK figures experienced an increase by 23.1%, Turkish Cargo managed to grow with 40.4% in Jan-Jun 2021.



Source: IATA, FTK (Million)

# Sustainability Milestones





# Corporate Sustainability Management

General Manager  
Committee Chairman



Sustainability Committee



Emissions  
Management  
sub-working  
Committee



Corporate Social Responsibility  
and Communication Projects  
sub-working Committee



Sustainable Practices  
sub-working  
Committee



Sustainability Strategy  
sub-working  
Committee



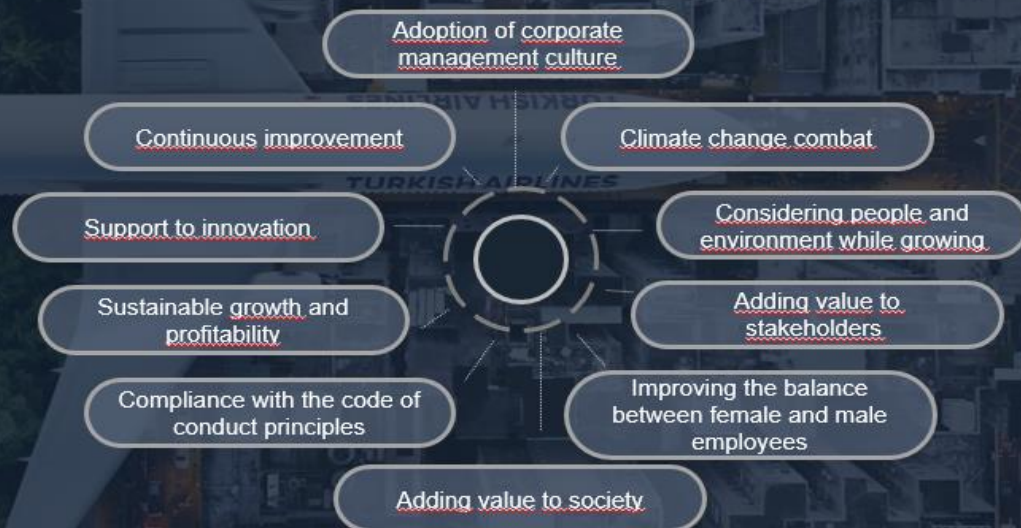
**Corporate  
Sustainability  
Management  
Department**  
Committee Secretariat



# Sustainability Strategy & Policy



To consider all the emergent impacts of environmental, social, and economic in a holistic manner and together with efficient risk management; is to create value in the future as well by going beyond today's achievements with our understanding of business excellence and innovativeness in the light of expectations of employees, customers, suppliers, subsidiaries all business partners, and shareholders along with global trends.



# Combating Climate Change



More than **100**  
Operational  
Optimization  
Projects



**37.082**  
Tonnes Fuel Saving  
2021



**116.809**  
Tonnes CO2 Prevented  
2021



**613.852**  
Tonnes Fuel Saving  
2008-2021



**1.918.359**  
Tonnes CO2  
Prevented  
2008-2021



**370**  
Aircraft  
2021

\*246 Narrow-body 104 Wide-body  
20 Freighters



**8,5**  
Fleet Age  
2021



**Biofuel**  
R&D Investments and Use

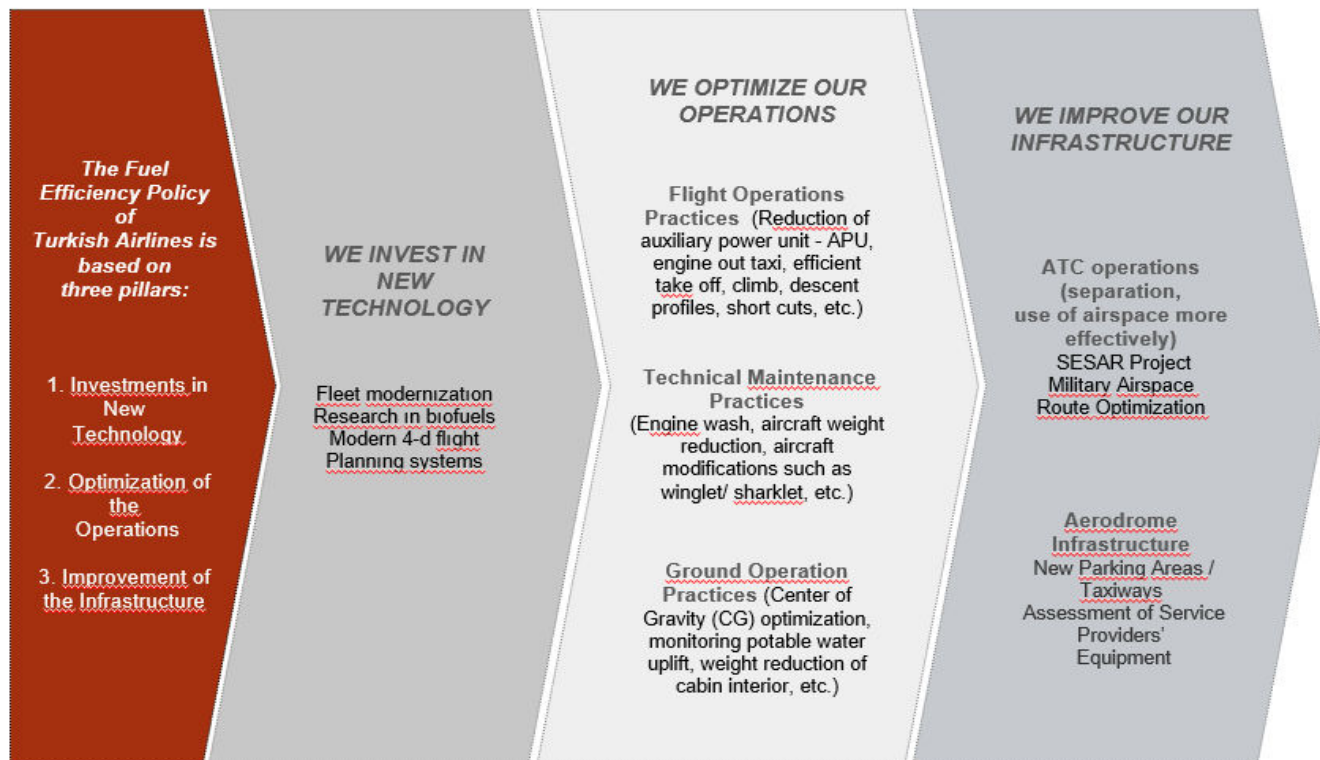


**2018-2027**  
between the years of  
New Generation Aircraft  
with 13% Low Fuel  
Consumption





# Fuel Efficiency & Management and Reduction of Greenhouse Gas Emissions



## CORSIA

Offsetting and Reduction Scheme for International Aviation (CORSIA)

## EU-ETS & UK-ETS & SWISS ETS

European Union Emissions Trading System & UK Emissions Trading Scheme & Swiss Emissions Trading System

## ISO 14064-1

Calculation of Greenhouse Gas Emissions and Removals at the Establishment Level



# Sustainable Aviation Fuel



As Turkish Airlines, we have used sustainable aviation fuel for the first time on the flight from Istanbul (IST) to Paris (CDG) on **February 2, 2022**. Our first flight with our bio-fuel themed aircraft was to Stockholm (ARN) by applying the Green Class concept.



Paris  
Gothenburg  
London  
Oslo  
Copenhagen  
Stockholm

Additionally together with Boğaziçi University, we continue running the "MICRO-JET" Project. With the biofuel to be obtained in this project, our Incorporation will be one of the rare global companies that use the cleanest type of biofuel accepted by IATA.



# Voluntary Carbon Offset Project «CO2mission»

English

Turkish Lira (TRY)

MISSION

IMPACT

PROJECTS

OFFSET



## Are you ready to offset your flight's carbon emission?

We love to fly around the world, but we are also aware of the environmental impact of our air travels. That's why we invite you to offset your carbon emissions from your flight.

Making our unique journey experiences sustainable is now possible.

Discover Carbon Neutral Flights



A total of



# 13,968

tons of CO<sub>2</sub> was offset in 2021.

## Project Portfolio



RENEWABLES



COMMUNITY CARE



GREENER WORLD





## Operational Sustainability Initiatives



**Operational  
Savings**

**Fleet  
Modernization**

**Vehicle  
Utilization**

**Light-weight  
ULDS**

Turkish Airlines, as of the end of 2021;



**246**

narrow-body



**104**

wide-body



**20**

cargo  
planes

**370**

aircraft in  
total

# Environmental Practices



Evaluate environmental aspects and impacts & risks and opportunities



Trainings on environment, climate change & sustainability, workshops and webinars



United for Wildlife Buckingham Palace Declaration (UFW) Signatory



Projects based on Zero Waste principle and waste management practices




Sustainable catering practices

\* High-quality raw materials, mainly local procurement, ISO 22000 certified suppliers



## Adding Value to Society



Turkish Airlines, which organizes flights to 25 of the 46 countries in the category of the least developed countries of the United Nations, enables these countries to develop their economic and social relations with the world by providing global connectivity.



# Sustainability and Digitalization&Innovation



With the Press Reader application, we started to offer our passengers digital access to over 7000 newspapers and magazines in more than 60 languages. We direct our passengers to the application by e-mail and website 1 day before their flight.



We offer a mobile boarding pass option instead of printed ticket on your flights.



Digitalization of SKY LIFE magazine decreased both the aircraft weight and GHG emissions. Also, the use of I-PADs instead of paper inside the cabin decreased both aircraft weight and CO2 emissions.



We aim to further improve our current processes, to meet the expectations of our relevant parties, and to raise our sustainability performance even higher, with the projects we will implement as a result of our solution competition.



# Programs & Committees

## We are Involved in



We carry out our activities in accordance with the requirements of the Environmental Management System.



We became the first airline to receive Stage 2 Certification directly.



Our energy and environmentally friendly designed buildings are LEED certified.



We regularly participate in CDP reporting.



We have joined the «IATA 25by2025» Initiative

IATA EOC  
(Environmental Oversight Council)

IATA SEAC  
Single Use Plastics Working Group

IATA SEAC  
Environmental Data Working Group

TIACA  
(The International Air Cargo Association)  
Sustainability Working Group

Star Alliance  
Sustainability Strategy Team

Star Alliance  
Sustainability Committee

TUYID  
Sustainability Working Group





# Turkish Airlines

## Sustainability Awards





A wide-angle photograph of the New York City skyline, featuring the Freedom Tower and other skyscrapers, viewed from across the water under a cloudy sky with several seagulls in flight.

# Thank you.