

SUSTAINABILITY IN TURKISH AIRLINES TURKISH CARGO

CARGO FACTS SYMPOSIUM 2022

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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.

Legend

CITIES depart by year	FLOW mov by year
1 - 14999	FLOW 2101-41033
15000 - 58929	FLOW 1001-2100
58930 - 140764	FLOW 401-1000
140765 - 303197	FLOW 166-400
303198 - 619276	FLOW 1-165

Kaynak: ICAO-2019



90

FREIGHTER DESTINATIONS



23

FREIGHTERS

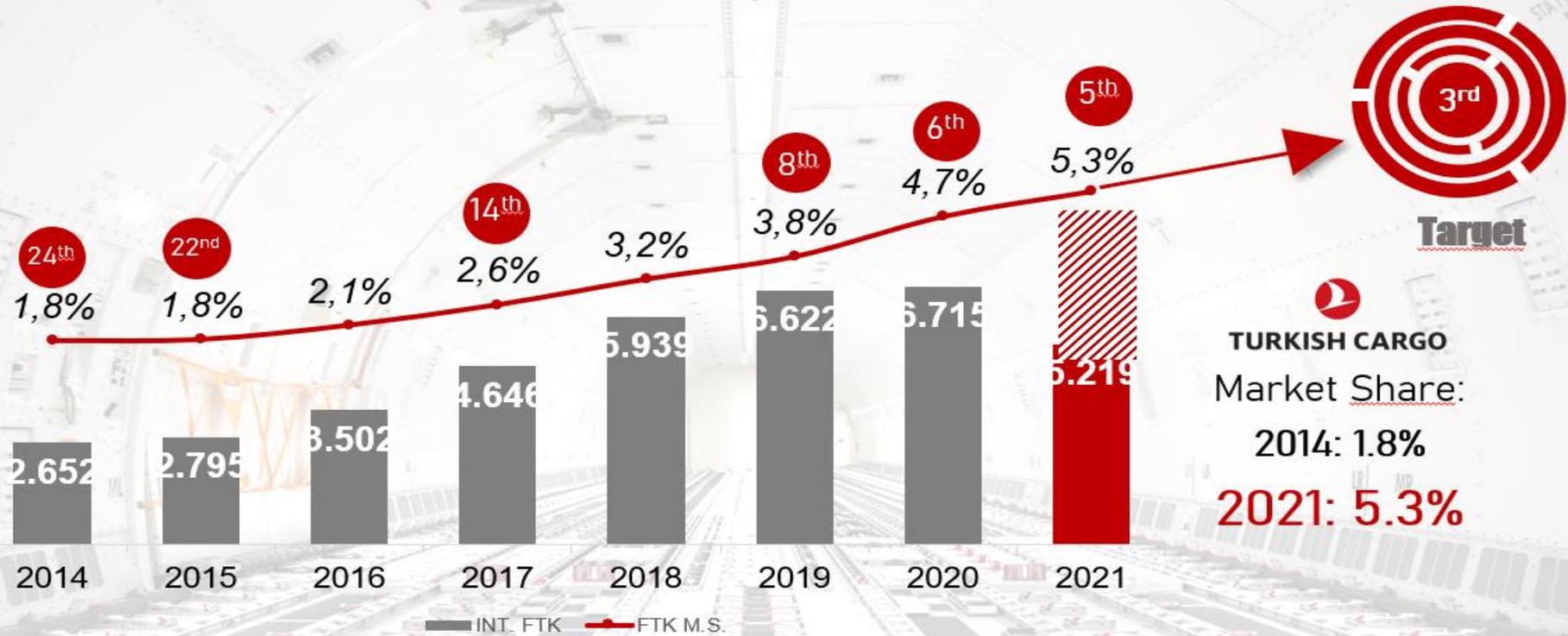


Turkish Airlines' Air Cargo Brand:



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.

Ranking (Except Integrators)



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



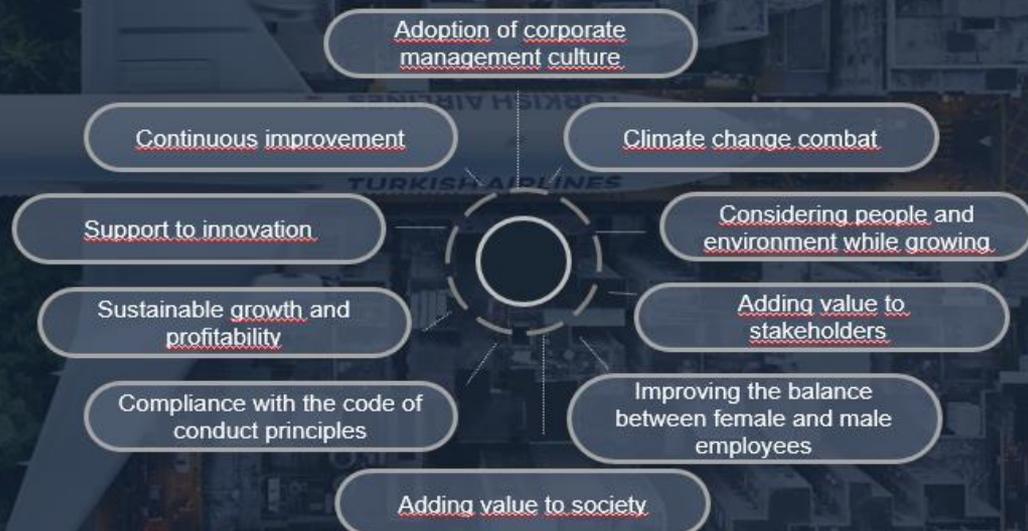
Corporate Sustainability Management Department
Committee Secretariat



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



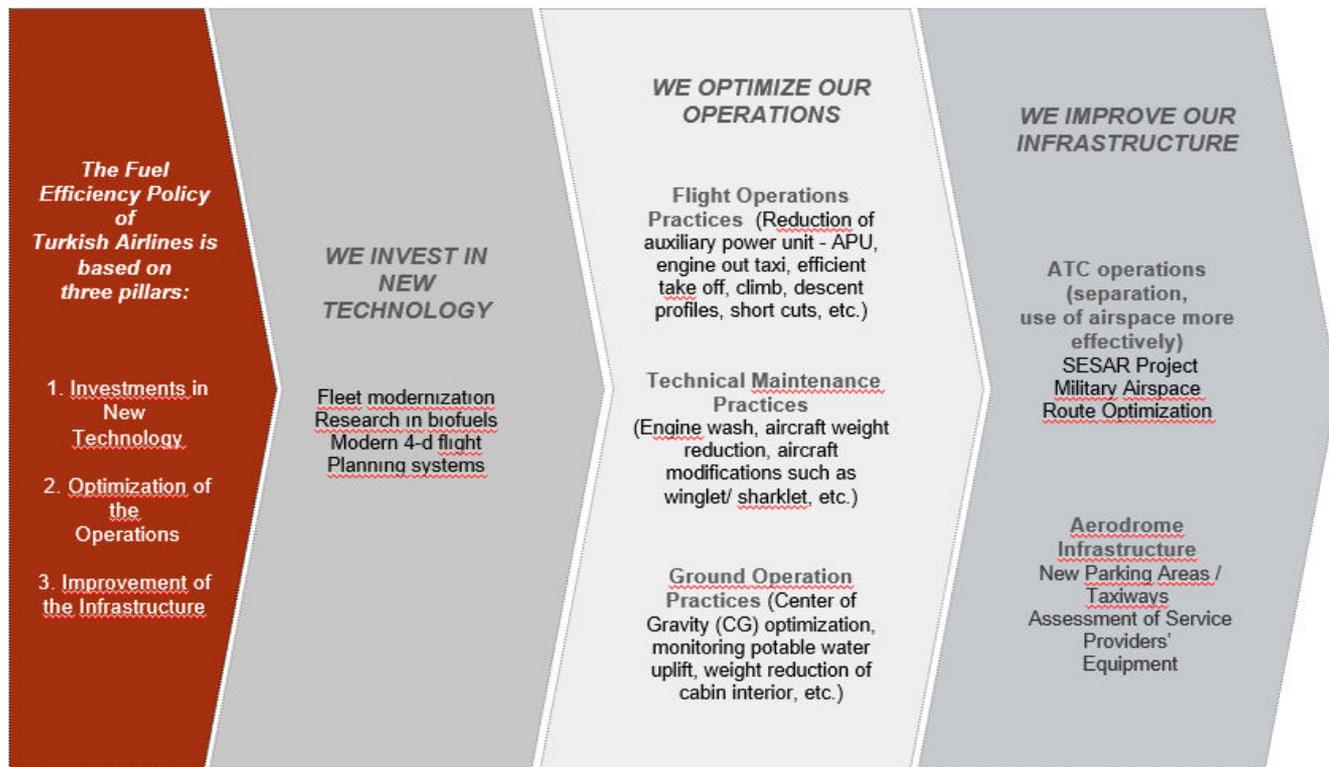
Biofuel
R&D Investments and Use



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 CO₂ 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 numerous skyscrapers and buildings along the waterfront. The sky is filled with heavy, grey clouds, and several seagulls are captured in flight across the upper portion of the frame. The text "Thank you." is overlaid in a large, red, sans-serif font in the center of the image.

Thank you.