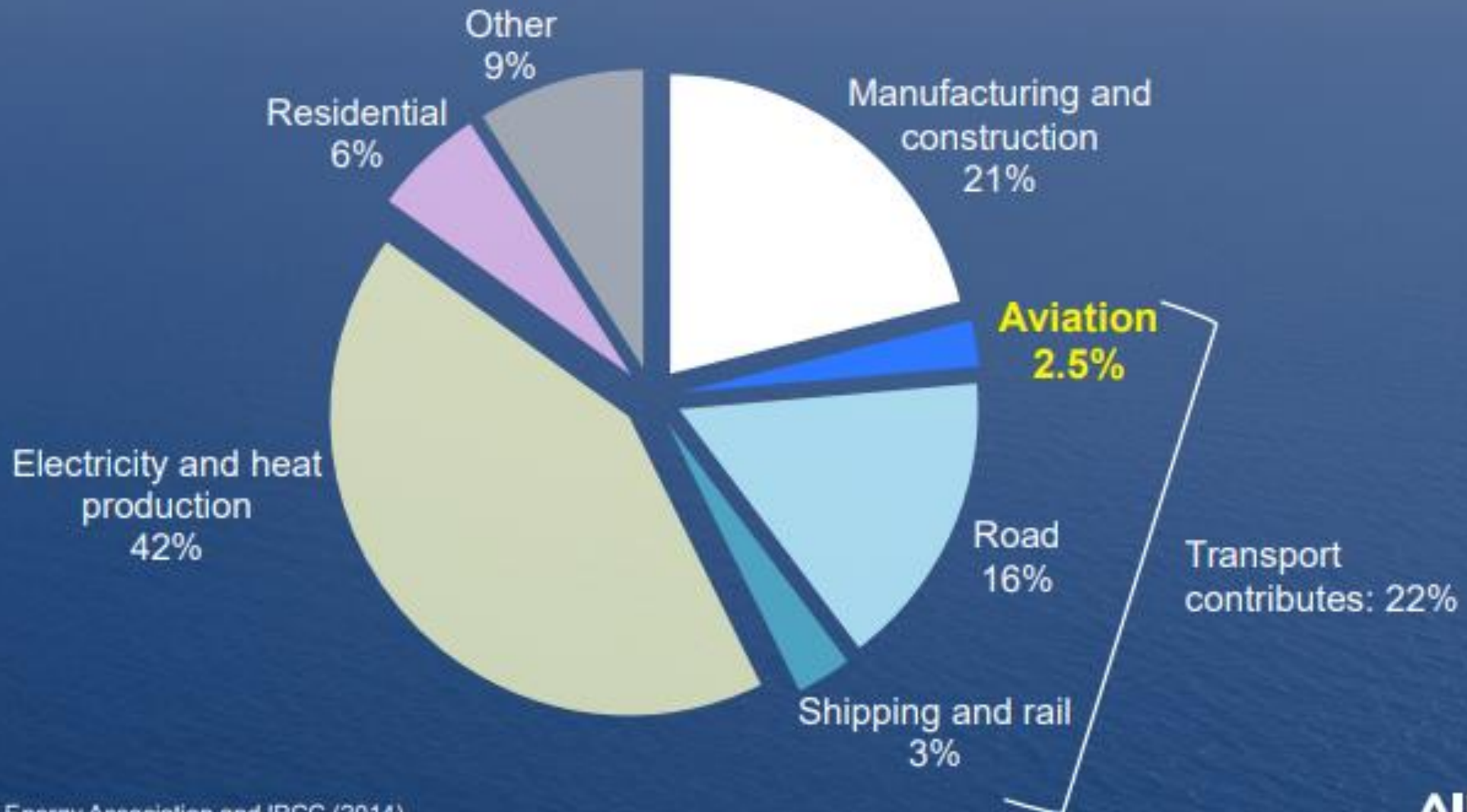


A young girl with brown hair in a ponytail, wearing blue and pink sunglasses and a striped shirt, is sitting in a haystack and looking up at a blue sky with white clouds. Her hand is raised to her forehead, shielding her eyes from the sun.

Airbus leading aviation decarbonisation

A path to carbon neutral aviation

Aviation contributes 2.5% to global manmade CO₂ emissions



Sustainable growth

Source: Airbus, ATAG

Progress since dawn of jet-age

CO reduced by **50%**

CO₂ reduced by **80%**

NO_x reduced by **90%**

Noise reduced by **75%**

Ambitious aviation industry goals

Cap CO₂ emissions from **2020**

Reach net zero CO₂ emissions by **2050**



ATAG

AIRBUS



A220



A320neo



A330neo



A350XWB

Only 12% of in-service fleet are latest generation aircraft *

25% lower fuel and CO₂ vs. previous generation - across the entire Airbus Family

Source: Cirium, Airbus
* A220, A320neo Fam., A330neo, A350, 737Max, 777X, 787
January 2020 status

Fuel burn and CO₂ per seat

AIRBUS



Going **CLIMATE-NEUTRAL** by **2050**

A STRATEGIC LONG-TERM VISION FOR
A PROSPEROUS, MODERN, COMPETITIVE
AND CLIMATE-NEUTRAL EU ECONOMY

EU Green Deal

Target for all
industry sectors

Airbus is fully
engaged in
contributing to the EU
targets

AIRBUS

Airbus ambitions

Pioneering Sustainable Aerospace

Offer 100% SAF capability on our commercial aircraft before

2030

Be the 1st major manufacturer to offer a climate neutral commercial aircraft by

2035

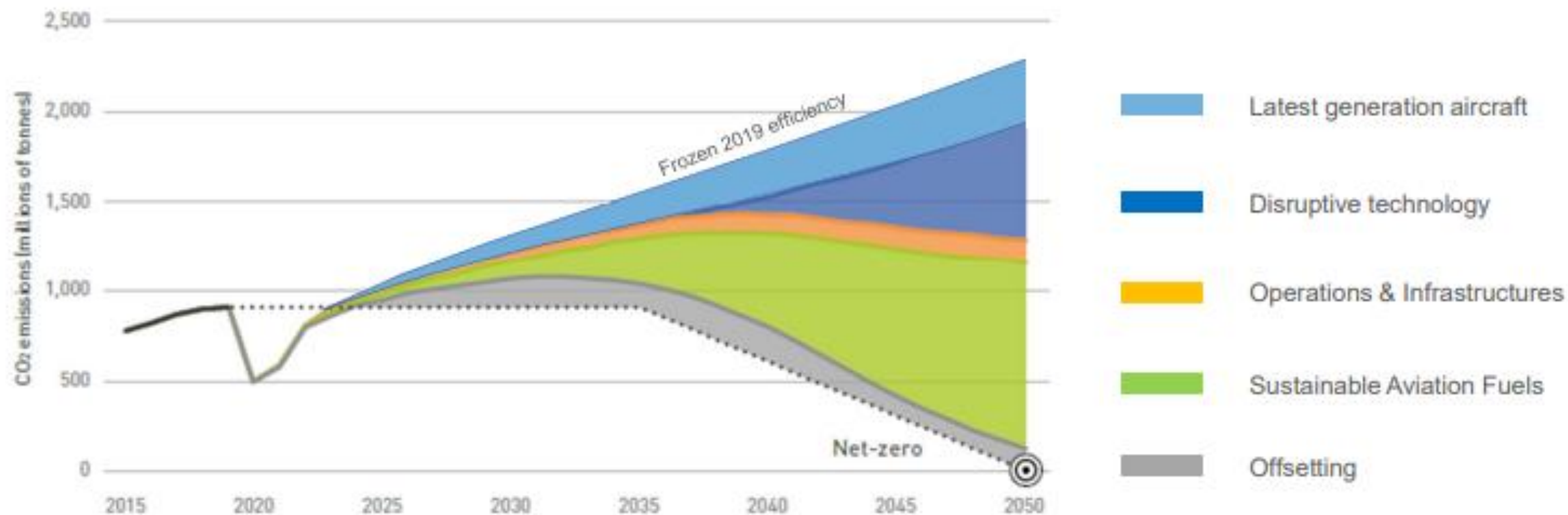
Reach aviation net-zero emission target by

2050

AIRBUS

Aviation CO₂ reduction roadmap

Latest generation aircraft have a significant contribution to CO₂ reduction



ATAG CO₂ Roadmap (most ambitious technology scenario & central traffic growth scenario: 3.1% CAGR 2019-2050)

AIRBUS

SAF can reduce CO₂ emissions by **up to 80%**
on a life-cycle basis



Sustainable Aviation Fuels Sustainability

SAFs have to cope with internationally elaborated and recognised sustainability criteria

Sustainable Aviation Fuels (SAFs) are made from a large variety of feedstocks (e.g. municipal waste, used cooking oil, agricultural residues, wastes gases...)

Sustainable Aviation Fuels are fuels produced from renewable sources

Airbus Electrical journey

2010

Airbus develops **CriCri** the 1st world's fully-electric 4-engine aerobatic aircraft

2011

Airbus co-funds the development of **e-Genius**, a 2-seater electric aircraft

2013

E-Fan 1.0 becomes the 1st electric aircraft demonstrator

2015

E-Fan 1.1 successfully crosses the English Channel

2017

Airbus launches **E-Fan X** a hybrid-electric aircraft demonstrator

2018

Vahana, self piloted single-pax eVTOL demonstrator 1st test flight

2019

1st take off of **CityAirbus**, Airbus remotely piloted 4-pax eVTOL demonstrator

2020

Preliminary Design Review passed for **EcoPulse**, a distributed hybrid propulsion aircraft demonstrator

2021

Airbus reveals the next generation of **CityAirbus**, a fully integrated Urban Air Mobility solution

E-Aircraft System House (EAS), for alternative-propulsion systems testing opens in Ottobrunn, Germany



ZEROe

Zero emission concept aircraft powered by Hydrogen



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