

# Logistic Process In Airbus

---

Group members:

Ankush Bohora

Gaurav Bhatia

Rohiteja Samala

# Contents

- Supply Chain
- Final Assembly Line
- Orders and Deliveries
- Postponement Strategy

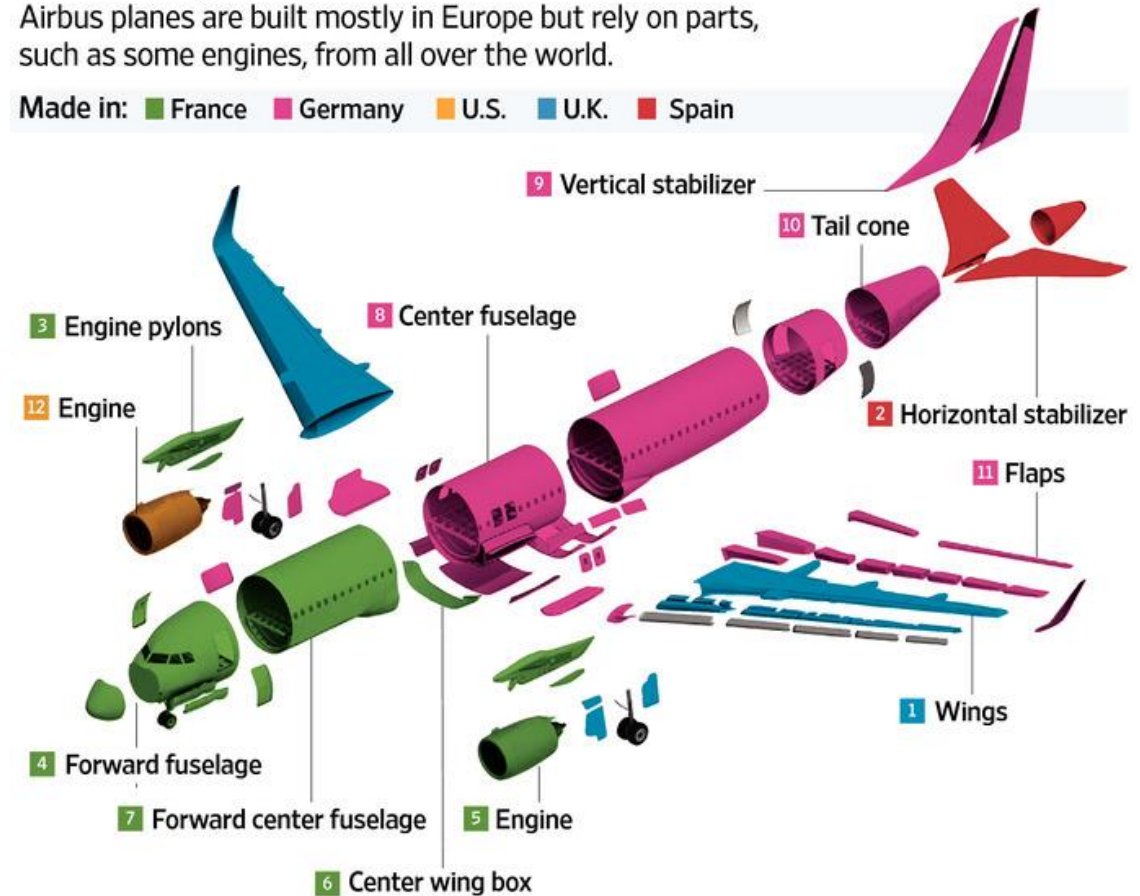
# Supply Chain

- Airbus has a vast global supplier network which makes major contributions to value creation, economic prosperity and sustainable development.
- 80% of Airbus activity is sourced
- Airbus has identified global sourcing as one of its long-term objectives and aims to source 40% outside Western Europe and the U.S. by 2020
- Airbus has 8,000 direct and 18,000 indirect suppliers from more than 100 countries who supply parts, components, systems and services

## Globally Sourced

Airbus planes are built mostly in Europe but rely on parts, such as some engines, from all over the world.

Made in: ■ France ■ Germany ■ U.S. ■ U.K. ■ Spain



1	Wings - Broughton	2	Horizontal stabilizer - Getafe		
3	Engine pylons - Saint-Nazaire	4	Forward fuselage - Saint-Nazaire	5	Engine - Villaroche
6	Center wing box - Nantes	7	Forward center fuselage - Toulouse - Saint Eloi		
8	Center fuselage - Hamburg	9	Vertical stabilizer - Stade		
10	Tail cone - Hamburg	11	Flaps - Bremen		
12	Engine - Raleigh, N.C., Middletown, Conn., West Palm Beach, Fla., and Lafayette, Ind.				

Source: <https://www.airbus.com/company/sustainability/environment/sustainable-supply-chain.html> Accessed on 16.06.2021 at 17.30

<https://heizerrenderom.files.wordpress.com/2017/02/airbus-sourcing.jpg> Accessed on 16.06.2021 at 18:00

<https://www.airbus.com/be-an-airbus-supplier.html> Accessed on 16.06.2021 at 17.40

# Final Assembly Lines

- Airbus maintains nine final assembly lines (FALs) at five locations worldwide.
- An A380 has over four million parts and the plane is so big that it is built in six main pre-fabricated sections: three fuselage sections, two wings and the tailfin.



Source: <https://www.airbus.com/company/sustainability/environment/sustainable-supply-chain.html> Accessed on 16.06.2021 at 17.30

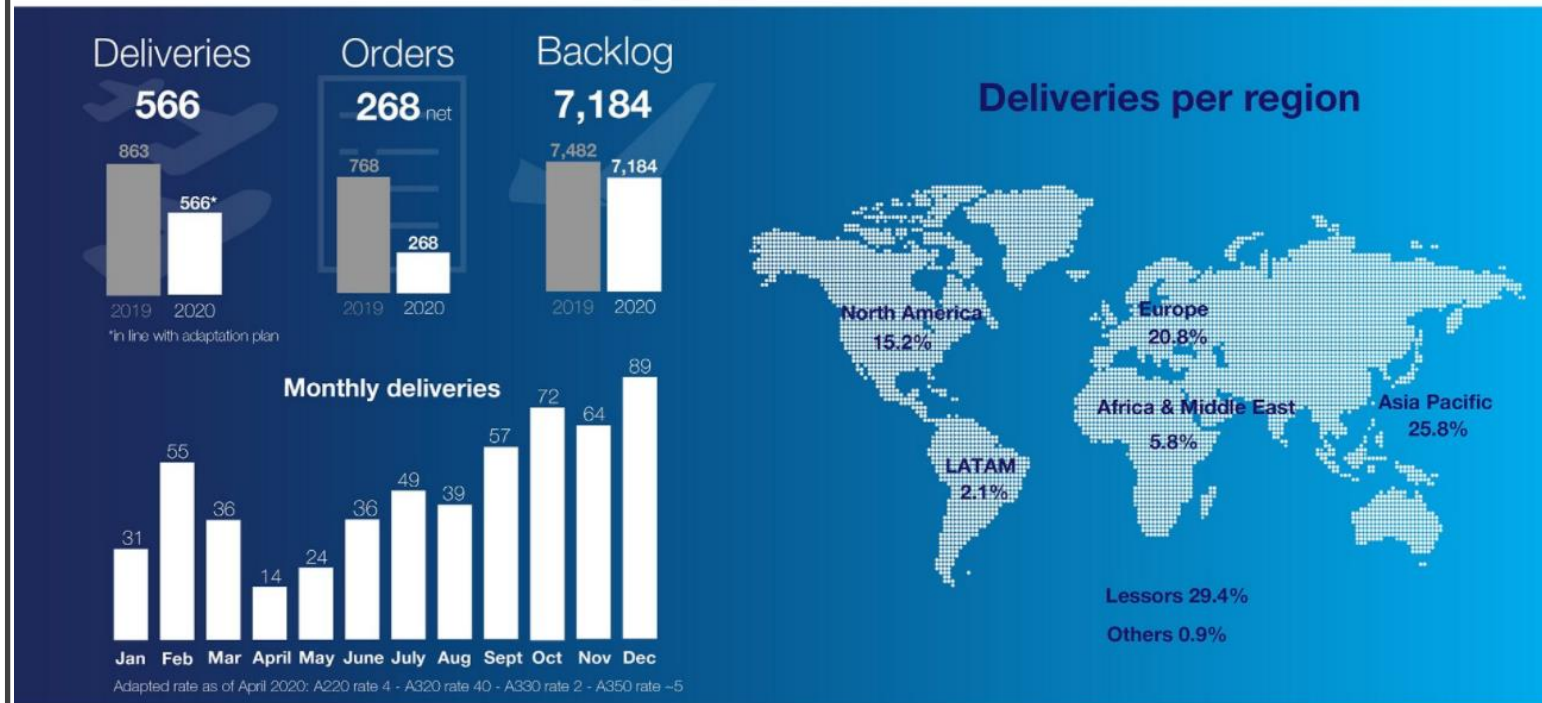
<https://heizerrenderom.files.wordpress.com/2017/02/airbus-sourcing.jpg> Accessed on 16.06.2021 at 18:00

<https://www.airbus.com/be-an-airbus-supplier.html> Accessed on 16.06.2021 at 17.40

# Orders and Deliveries

- 566 commercial aircraft deliveries, 34 percent fewer than in 2019.
- 383 new aircraft orders, 268 net orders, 7,184 aircraft in backlog.
- In 2020, the Company recorded 115 cancellations.
- By the end of February 2021, the Company delivered 53 commercial aircraft and recorded 92 cancellations.

## Airbus Commercial Aircraft **Orders & Deliveries 2020**



AIRBUS

# Postponement Strategy

---

- Airbus' aircraft families promote fleet commonality which takes a central aircraft and tailors it to create derivatives to meet the needs of specific market segments.
- For example, A320, A330, A350 and A380 all share the same cockpit philosophy, fly-by-wire controls and handling characteristics.
- A320neo Family versions have over 95% airframe commonality with the A320ceo versions.
- Fleet commonality permits aircraft operators to realise significant cost savings in crew training, spare parts, maintenance and aircraft scheduling.

# Postponement Strategy

---

- Airbus' aircraft families promote fleet commonality.
- Just in time approach to assemble the pre fabricated modules to reduce inventory.
- Production flexibility designed into the final assembly line by using the same assembly jigs and tooling.
- Platform Concept for Customised cabin configuration.
- Engines are among the last components to be fitted in order to reduce inventory cost.

Thank You