# TOGETHER, Let's make the world FLY BETTER\*!

\*in an "all-sustainable" way.

MILITARY



**MICHELIN AIRCRAFT** It's more than a tire

## A BRAND RENOWNED FOR SAFETY AND QUALITY

For **more than a century**, Michelin Aircraft has been helping to meet the challenges of the aviation industry.

The Group has been a **pioneer** in introducing **new technologies** to answer the needs of human mobility.

We address the **most** sophisticated and **demanding** *military usage conditions* in the world.

> **A brand you can depend on** MICHELIN is committed to providing products and offers to support military operational readiness.



Michelin, as your preferred partner, delivers the most reliable and customized support, and innovates to grow your business sustainably.

*Did you know?* Almost 2000 Breguet-Michelin aircrafts were built at Michelin's first plant between 1915 and 1919.

**1981** First radial tire

Output: Section 2001
NZG—Near
Zero Growth
Radial
Technology

| 0 2019

First **connected** tire



MICHELIN AIR X SKY LIGHT: a new generation of tires

## **MICHELIN AIRCRAFT** IT'S MORE THAN A TIRE

## A WORLD-RENOWNED SPECIALIST SUPPORT

Beyond a high-performance offer, Michelin Aircraft builds lasting relationships based on **trust**, **safety** and **quality**.

6 1990

Michelin, as your preferred partner, delivers the most reliable and customized support, and innovates to grow your business sustainably.

We deliver exceptional and **reliable support**, thanks to **dedicated teams**:





Customer Service <sup>(1)</sup> Field Engineers <sup>(2)</sup>



Sales Force (2)

This **customized approach** contributes to **customers' satisfaction**.

We address customers' needs **worldwide**, thanks to Customer Services, Key Account Managers, and Customer Engineers Support.



(1) France, China, USA, Brazil and Thailand (2) Australia, France, China, USA, Thailand, Japan, UAE and Brazil

## MICHELIN AIRCRAFT

## IT'S MORE THAN A TIRE

## A SUSTAINABLE INNOVATION

There is an extraordinary concentration of technologies in aircraft tires that require the **most demanding precision** in both design and manufacture. Few manufacturers are capable to meet the **extreme aircraft conditions**.

The tires need, in some aircraft applications, to be able to handle temperatures of **-55°C** for multiple hours in long-haul flights, and then up to **200°C** when it goes from **0 to 250 km/h and beyond**, in a fraction of a second during landing.

During airworthiness and approval tests, they must be able to demonstrate that they can withstand being **inflated to 4 times the nominal pressure without blow-out** (64 bar).

Aircraft tires combine the most severe usages

### 0 to 250km/h and beyond

A MICHELIN tire lands at the speed of a Formula 1

#### 300 times its mass

A MICHELIN tire carries the equivalence of an earth mover dumper at landing phase Michelin, as your preferred partner, delivers the most reliable and customized support, and innovates to grow your business sustainably.

For the conception of our tires, MICHELIN Aircraft relies on the Life Cycle Assessment methodology—LCA.





#### MICHELIN RADIAL TECHNOLOGY

Reduction in fuel burn due to **tire** weight savings.

Reduction of maintenance cost due to the improved **tire Landings Per Tread.** 

*Reduction of early/unscheduled removals due to the tire resistance* to tears and cuts.

*More Landings* Extra strong radial casing design. Flexible radial casing reduces tread squirm.



**Labor Savings** Fewer tire changes due to more landings.



**Fuel Savings** Lightweight radial design = measurable savings and increased range.



#### Weather Protection

Special sidewall compounds for longterm ozone and UV light protection.



**Resistance to Foreign Object Damage (FOD)** Ultra-Strong Radial Technology.



MICHELIN Air tires are designed to provide long tire life, help reduce **maintenance costs** and designed for **rough landing conditions**.



#### TRANSPORT

Strong tire sidewalls help reduce tire damages when landing on rough surfaces.

#### **HELICOPTERS**

Bias technology better meets the helicopter tire stiffness requirements.

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#### MICHELIN SALES OFFICE LOCATIONS

#### Europe, Middle East & Africa

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#### MICHELIN AIRCRAFT TIRE DISTRIBUTORS

Aviall, Inc. https://shop.boeing.com/aviation-supply/

Derco Aerospace, Inc. https://www.lockheedmartin.com/en-us/ products/derco-aerospace.html

Sansaa Aircraft Parts & Services https://www.sansaaair.com/

SOFEMA S.A. https://sofemagroup.com/en/ partners-and-references/

VSE Aviation https://www.vseaviation.com/ distribution-main/tires-tubes-brakes-batteries

