

Accurate FRANCE



3D Terrain Elevation

High Resolution **Lidar Data**

Massifs du Mont-Blanc

Mont-Blanc

Aiguilles Rouges

Giffre

THE ROOF OF EUROPE AS YOU'VE NEVER SEEN IT BEFORE

Dominating Western Europe from its height of 4,807 meters, the Mont Blanc massif has fascinated mountaineers, explorers and pilots for centuries.

From the famous peaks overlooking the Chamonix valley to the vast glaciers that sculpt the high alpine valleys, this territory concentrates some of the most spectacular landscapes on the European continent.

The Mont Blanc massif, the cradle of modern mountaineering, has witnessed some of the greatest human adventures linked to the mountains. Its mythical peaks, majestic glaciers, and vertiginous faces continue to attract enthusiasts from all over the world.

This region also occupies a unique place in the history of aviation. Mountain flying found one of its main areas of expression here and remains today a discipline in its own right, perpetuated by numerous specialized pilots and instructors.

With **Massifs du Mont-Blanc 01 - «Mont-Blanc, Aiguilles Rouges, Giffre»** discover these exceptional landscapes thanks to a new generation of relief from the official LiDAR HD data of the IGN — *Open License / Open Data License 2.0*.



From the Aiguilles Rouges and overlooking the Mer de Glace "Les Drus" — Accurate France - 3D Terrain Elevation — MSFS 2024

AN EXCEPTIONAL REGION

The product covers three iconic mountain ranges of the French Alps:

- Mont Blanc
- Aiguilles Rouges •
- Giffre

This selection represents one of the most remarkable mountain ranges in Western Europe. It includes, in particular:

- Mont Blanc, the highest point in Western Europe;
- The famous granite needles of Chamonix;
- The immense glaciers of the massif;
- The high alpine valleys;
- The spectacular reliefs of the Giffre;
- The Cirque du Fer-à-Cheval;
- The cliffs and ridges of the Aiguilles Rouges.



Product coverage area — Extract from IGN Scan 1000 map

WHEN THE MOUNTAIN BECOMES A MOUNTAIN AGAIN

Microsoft Flight Simulator offers a remarkable global representation of our planet.

However, the most complex landforms require particularly precise altimetric data to reveal their full richness.

In some mountainous regions, native data may attenuate certain characteristic details of the terrain:

- Softer cliffs;
- Less marked ridges;
- Simplified valleys;
- Less jagged relief;
- Less visible geological structures.

These differences often remain subtle in less rugged regions but become particularly noticeable in high mountain areas.

The Mont Blanc massif is probably one of the best examples of this problem.

Our goal is simple: to recreate the landscape as it actually exists.



BEFORE — Native MSFS 2024 Data



After — Accurate France - Mont Blanc Massif 01

THE POWER OF HD LIDAR

To produce this relief, we use official HD LiDAR data from the IGN.

LiDAR (Light Detection And Ranging) is an airborne laser mapping technology that allows terrain to be measured with an accuracy of a few centimeters.

Millions of laser pulses are emitted from an aircraft in order to reconstruct the actual shape of the terrain with exceptional accuracy.

Today, HD LiDAR represents one of the most accurate altimetric mapping methods available.

This precision allows us, in particular, to restore:

- Rocky cliffs; • Glacial valleys; • Moraines; • Scree slopes; • Breaks in slope; • Mountain ridges and crests; • Small-scale topographic details.

The result is immediately visible during VFR flights, approaches to mountain ranges or low-altitude flights.

Numerous POIs have been added to locate your flights more precisely and the assistance activation options inform you during your flights.



MICROSOFT FLIGHT SIMULATOR 2024: THE TERRAIN COMES TO LIFE

The product is fully compatible with Microsoft Flight Simulator 2020 and Microsoft Flight Simulator 2024.

A version dedicated to MSFS 2020 is included so that all users can benefit from the improved terrain.

However, only Microsoft Flight Simulator 2024 fully reveals the potential of HD LiDAR data.

Thanks to its new procedural terrain generation technologies, the simulator makes greater use of the information contained in high-resolution altimetric models.

Rocky cliffs, granite spires, escarpments and steep reliefs thus gain considerably in realism.

Few regions illustrate this evolution as well as the Mont Blanc massif.

The famous peaks overlooking Chamonix regain a spectacular visual presence that transforms the mountain flying experience.

For this reason, although compatible with both platforms, this product expresses its full visual potential under Microsoft Flight Simulator 2024.



View of the Drus from the Aiguilles Rouges massif — Accurate France - Mont Blanc massifs 01 — MSFS 2024



Comparison with MSFS 2020

View of the Drus from the Aiguilles Rouges Massif — MSFS 2020



Comparison with MSFS 2020

View of the Drus from the Aiguilles Rouges massif — Accurate France - Mont Blanc massifs 01 — MSFS 2020

MOUNTAIN FLYING

The Mont Blanc massif remains today one of the top mountain flying destinations in Europe.

The valleys of Chamonix, Megève, Sallanches, Samoëns and the Mont Blanc area have for decades welcomed pilots who come to train in the specific techniques of piloting in an alpine environment.

Mountain flying requires specific knowledge:

- Management of updrafts and downdrafts; •
- Reading terrain; •
- Effects of wind; •
- High-altitude approaches;
- Use of mountain airstrips and altiports.

Certain areas of the French Alps also allow, under strict regulatory conditions, the practice of glacier landing, an emblematic specialty of mountain piloting.

Below you will find several links to specialized organizations, flying clubs and schools to discover this exciting world:

[• BAS ULM EFPIUM — Map of airfields](#)

For detailed information sheets on glaciers authorized for landing.

[• Dauphiné Flying Club — Mont Blanc Flight Certificate •](#)

[Dauphiné Flying Club — Mountain Flying Qualification •](#)

[Annecy Flying Club — Mountain Flying •](#)

[AFPM — Regulations • ATO-](#)

[AFPM — Mountain Instructions](#)



Placed on the Tacul Glacier — Accurate France - Mont Blanc Massif 01 — MSFS 2024

DEVELOPED TO EVOLVE

All our products are generated using a processing chain and software tools specially developed by us.

This proprietary technology allows us to make the best use of HD LiDAR data and continuously improve our production methods.

We are closely monitoring developments in Microsoft Flight Simulator as well as the new possibilities offered by the official SDK.

When new features or generation techniques become available, we systematically re-evaluate our products to identify potential improvements.

Our goal is simple: to offer our users the best possible representation of the terrain.

All updates resulting from improvements to our generation processes, SDK evolutions or optimizations of our production tools will be provided free of charge to customers who have purchased the product in question.

This commitment ensures that your investment continues to benefit from advances in the field of terrain simulation and representation.



Tacul Glacier — Accurate France - Mont Blanc Massif 01 — MSFS 2024

Frequently Asked Questions

What is HD LiDAR?

LiDAR HD is the latest generation of high-precision altimetric data produced from airborne laser surveys. This technology allows terrain to be measured with an accuracy of just a few centimeters.

Why does the relief appear more realistic?

Thanks to its exceptional precision, HD LiDAR reproduces cliffs, valleys, ridges, and other natural terrain features much more faithfully. Mountains thus regain their true character and geological complexity.

What are the advantages of VFR flight?

The terrain becomes more legible, natural landmarks are better defined, and landscapes are closer to reality. Low-altitude flights gain considerably in immersion.

Is this product compatible with Microsoft Flight Simulator 2020 and 2024?

Yes. A version compatible with Microsoft Flight Simulator 2020 is provided. However, Microsoft Flight Simulator 2024 makes greater use of high-resolution data and delivers the best visual rendering.

What is the impact on performance?

In the vast majority of cases, the impact on FPS remains comparable to the simulator's native areas. Depending on the system configuration, it may be advisable to reduce the Terrain LOD from 400 to 300 to limit potential micro-stuttering. A PC configuration with more RAM is always beneficial for MSFS 2024.

Are the loading times longer?

Yes. Due to the larger amount of data to load, the startup time for a flight is generally longer than for native data. On a mid-range configuration, expect an additional 60 to 90 seconds during the initial loading.

Do the products receive free updates?

Yes. All improvements related to our generation tools or to developments in the Microsoft Flight Simulator SDK will be provided free of charge to customers of the product concerned.

Thank you for your trust.



Accurate France

3D Terrain Elevation — High Resolution LiDAR Data

Mont Blanc Massif

Mont Blanc • Aiguilles Rouges • Giffre

IGN - Open Data 2.0

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AEF-FlightSimulator

Very soon

Mont Blanc Massif 02

Aravis

Bornes

