



BE.  
THE.  
EXPERIENCE.  
AEROMOBIL

OUR APOLOGIES TO THOSE  
WHO THINK THEY HAVE IT ALL.

# MANIFESTO

What can a man have when he has it all?

How do you spark desire when all desires have been exhausted?

But among all cravings there is one that's the oldest and hardest to satisfy.

Freedom.

Because freedom isn't just the absence of bondage.

It's the ability to leap, roam and fly beyond borders and barriers.

Finally, here's an idea that spells the truest expression of freedom.

AeroMobil.

A car that transforms into a plane in no time.

A state-of-the-art vehicle that's home on the road and in the sky.

A door-to-door mobility solution that propels you

from a mere human being to being the experience you've always fantasised about.

Some call AeroMobil a flying car.

We call it your ticket to ultimate freedom.

IT'S LIKE  
NOTHING  
YOU HAVE.  
AND  
EVERYTHING  
YOU EVER  
WANTED







# MEMBERSHIP OPEN

The future isn't some day that is yet to come. It's here. And it belongs to those who are bold enough to belong to it.

Welcome to the AeroMobil. It's the world's first flying car.

A dream that was long dreamed, and is now yours to experience.

Welcome to a world where distances shrink, but the fascination never does.

A world where freedom isn't a buzzword but a shape-shifting mode of transport sitting in your driveway.

A technological triumph like the AeroMobil is a triumph for humanity. And if you weren't born with superpowers, here's a rare chance to grow your wings.



# THIS IS THE LAST AND FINAL CALL FOR A LIFE LESS ORDINARY

You are cruising down the road, turning heads faster than you turn corners. And just when you feel the Earth tugging at its leash, you flick a button, and the AeroMobil lifts you far above traffic, road signs and deadlines and you're communing with the birds.

Suddenly, everywhere is next door. With an untiring range of up to a thousand kilometres, your world has no borders. No more pitstops, layovers, switchovers and check-in

dramas. Your garage is your airport and take-off is anytime.

Aerial or earthbound, the AeroMobil adds unrivalled flexibility, safety and luxury to your movement. Our team of automotive and aeronautical pioneers have worked manically hard to deliver a vehicle that's as technologically advanced as it is magical.





 An Aeromobil flying car is shown in flight over a vast, hilly landscape with a winding road. The car is white with orange accents and is positioned in the upper left quadrant of the frame. The landscape is characterized by rolling hills and a prominent winding road that curves through the valley. The sky is clear, and the overall scene is bathed in warm, golden light, suggesting a sunset or sunrise. The text "ENJOY LONG DISTANCE RELATIONSHIPS" is overlaid on the right side of the image in a large, white, sans-serif font. Below the text is a horizontal line with a small upward-pointing arrow in the center.

ENJOY  
LONG  
DISTANCE  
RELATION-  
SHIPS



# THE GEOMETRY OF BEAUTY





# DESIGN

A vehicle that must serve on the road and in the air needs a unique design to deliver that ambition. Perfectly streamlined and aerodynamic, the AeroMobil's appearance is showstopping even when it's standing still. Its form informs its function, as proven by the Petal-like opening of the wings, and the retractable landing gear.

Its beauty isn't skin deep. Each curve, each crease, each proportion serves to keep it safe, light and robust. The generous use of carbon composite construction allow it to effortlessly switch between drive and fly modes.

From sketch to prototype to the final production version, the design has evolved to let you switch your playgrounds with absolute elegance.



# WINGS

The wing geometry and profile is specifically designed to deliver a lightweight vehicle that performs without compromise, which handles like a dream and manoeuvres as easily as your thought. And when you are hugging the roads, they fold in neatly, stowed safely along the fuselage.



# AERO. DYNAMIC.



## TAIL UNIT

The full carbon monocoque empennage integrates the flight controls and rear suspension geometry together to deliver effective control in both air and road modes.

## LIGHTS

Effective illumination of the road and runway is an essential component of AeroMobil's safety. Its lights are specifically designed to bring together the requirements and capabilities of automotive lighting and high intensity aerospace lighting technologies, delivering lightweight effective functionality in all conditions.

## PROPELLER

A critical innovation is the patented design of the propeller, which elegantly folds into the vehicle fuselage when the vehicle is prepared for driving mode.

## SUSPENSION GEOMETRY

AeroMobil's suspension system must be adept to operate in completely different ways in flight and road modes. To deliver this, our team and partners have created a flexible solution that adapts to any condition. The system operates in three modes – road mode with the wheels placed at the optimum position to give engaging and

secure handling; during take-off and landing, with the wheels and suspension conditioned to best suit the needs of the runway; and during the flight, with wheels completely retracted, minimising drag and maximising aerodynamic efficiency.

## WHEELS

AeroMobil wheels have an ultra-lightweight design, and are strong enough to cope both with the journey on the road and with landing, whether on tarmac, concrete or grass.





THE  
ROOM  
IS THE  
VIEW

A close-up, low-angle shot of the Aeromobil concept car. The car is white with a bright yellow stripe running along the side. The roof is partially open, revealing the interior. The background is dark, and the lighting is dramatic, highlighting the car's sleek design and the open roof mechanism. The text "THE ROOM IS THE VIEW" is overlaid in white, bold, sans-serif capital letters. Below the text is a thin white horizontal line with a small upward-pointing arrow in the center.

Welcome to your Command Centre. The interior of AeroMobil is designed to satisfy both the enthusiastic driver and the hands-on pilot inside you. Logical and beautiful, all functions, features and controls can be easily accessed. Keeping things comfortable are a host of modern creature comforts that make AeroMobil one of the nicest and safest places to be in.



## HUMAN MACHINE INTERFACE

While driving, AeroMobil engages a unique glass cockpit system, with a display setup familiar to aviators. These integrated digital displays reveal the necessary vehicle data. And then upon take-off, they seamlessly transform into flight mode.

## SEATS

To manage efficient weight distribution, predictability and confidence, the seating positions for pilot and co-pilot are fixed. To facilitate this, the pedal box and the

main flight / drive controls are adjustable providing the optimum position for comfort and safe operation. Ease of entry and egress is also crucial; an innovative mechanism for assisting in this has been incorporated into the front of the seat cushion.

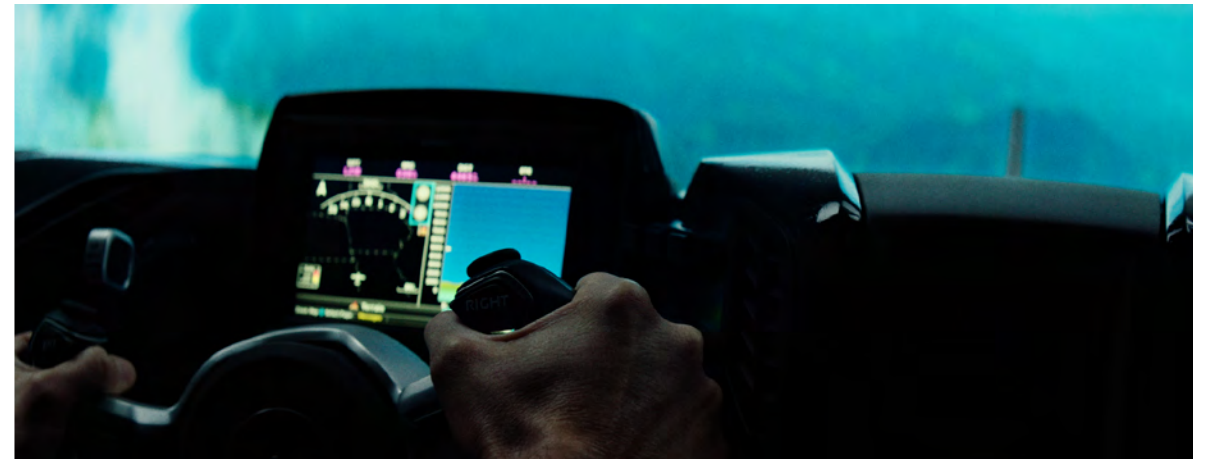
## SAFETY

In flight mode, the AeroMobil is the safest plane to board. Advanced safety technologies have been applied to keep the AeroMobil well defended at any altitude. For instance, the vehicle incorporates state-of-the-art vehicle recovery ballistic parachutes, designed to bring an airborne

vehicle back to ground safely should the pilot choose to deploy it. The occupant restraint system utilises a pyrotechnic seatbelt for added protection. AeroMobil is the world's first flying vehicle which borrows an automotive crash cage, protecting its inhabitants in the event of an accident.

## CONTROLS

Whether travelling on road or in the air, commanding an AeroMobil is an intuitive experience. This harmony is ensured by flight control systems that transform seamlessly into automotive controls in seconds.





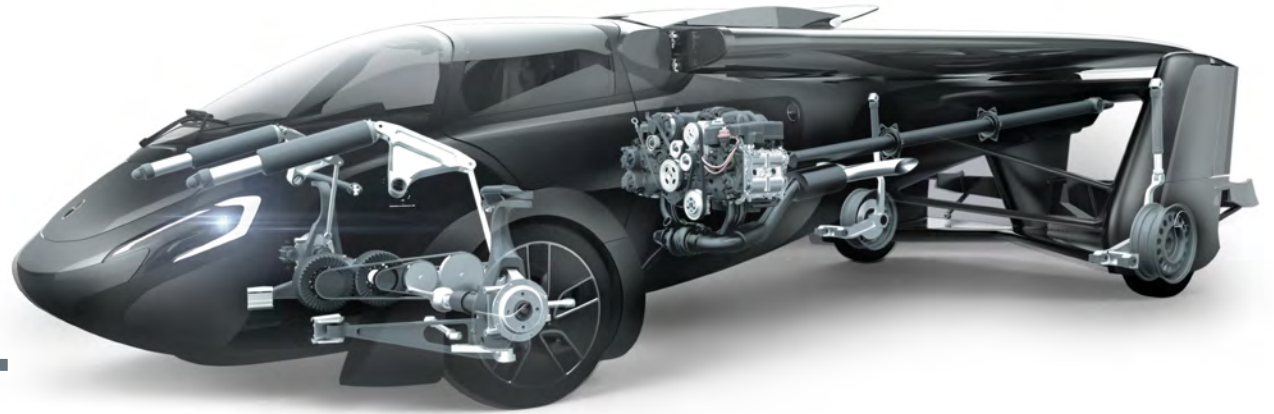
A sleek, white and yellow Aeromobil flying over a vast desert landscape with sand dunes in the foreground, a coastal city with tall buildings in the middle ground, and a blue sea under a bright sun in the background.

A LANDMARK,  
WHEREVER  
YOU LAND

---



# BEAUTY, POWERED BY A BEAST

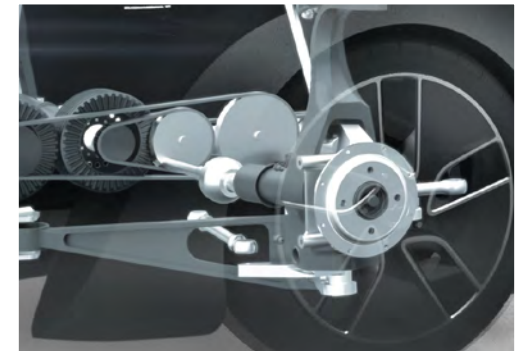


AeroMobil is fuelled by a robust internal combustion engine with a FADEC digital control unit. Advanced turbocharged systems, additional power and altitude capability make for a strong, durable and reliable powertrain.

In flight mode, AeroMobil has an available power of 224 kW (~ 300 hp), delivered to the propeller. An adaptive transmission delivers both road functionality and direct drive during flight.

## A GOOD HEART

AeroMobil is the first flying vehicle to meet the stringent automotive exhaust emission requirements. This is largely possible due to one of the cleanest internal combustion engines that money can buy.



# IT IS ROCKET SCIENCE

The majority of the airframe structures are made of carbon fibre reinforced plastics (CFRP), contributing to the structural optimisation and light weight of the vehicle.





The vehicle's cockpit is designed to surround the pilot and co-pilot in a high strength cocoon that is capable of absorbing and distributing crash and impact energy while keeping the interior intact. This stability provides valuable time and space for the advanced restraints systems to kick in, reducing any forces experienced by occupants.

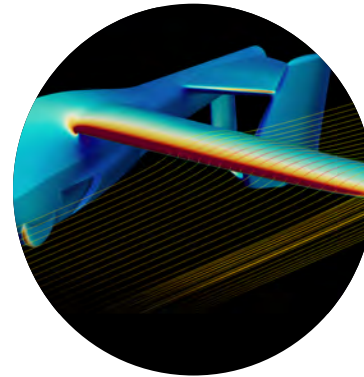
The central section of AeroMobil comprises of an integrated carbon cradle which holds the power unit and provides the anchor point for its wings. The rear of the vehicle, called the empennage, is a structural monocoque and is manufactured in one piece. This complex carbon assembly provides all the rear vehicle controls as well as the rear suspension and propeller mounting locations.

AeroMobil's wings are also constructed as composite monocoques and incorporate the wing folding structure and control surfaces for the aircraft.



# DRESS CODE: ARMOURED

To keep the AeroMobil running and flying with confidence, there are plenty of invisible but cutting-edge technologies that have merged to create a scientific wonder. The result is a structural design with infuses confidence in new or experienced pilots, even when carrying a sizeable payload.



One of the main objectives of aerodynamic analysis is the creation of a vehicle which provides a pleasant and predictable flying experience. This optimisation ultimately has allowed us to create a flying experience that will satisfy both newly qualified and experienced pilots.





FORGET  
THE GARAGE,  
IT'S PARKED  
IN YOUR  
HEART

---



# OFFROAD? YES.

Time and distance gain a whole new relationship with AeroMobil. 24 hours suddenly feel more than sufficient. Geography becomes irrelevant and time zones become play zones. No distance too big, no deadline too short. Because now, the sky is always the short cut.





# THE AEROMOBIL HAS LANDED. IN YOUR PHONE.

Can't wait till you see the AeroMobil in action? Then cure your curiosity with a short film that introduces the world's first flying car. Scan the QR code to view the video.





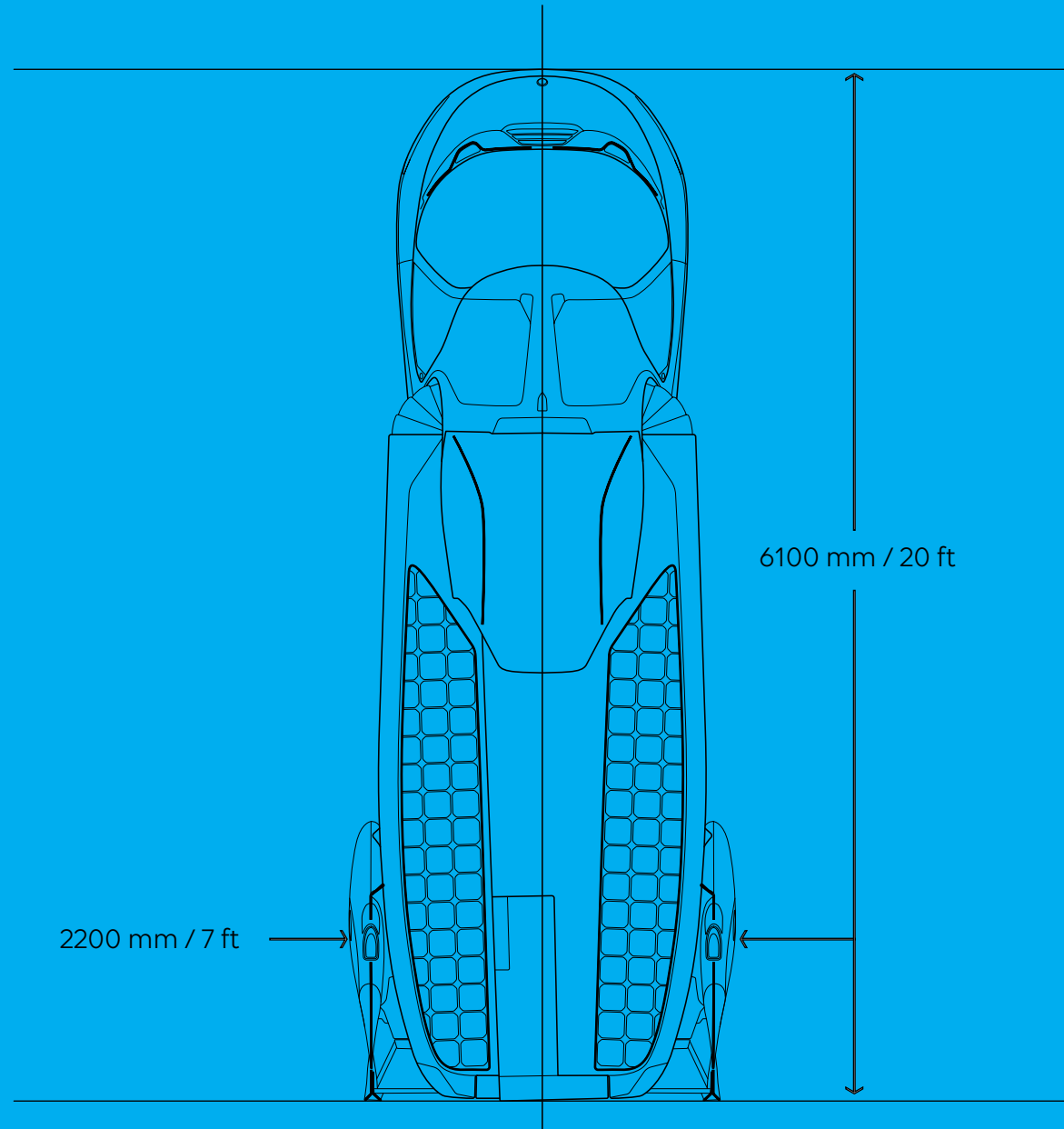


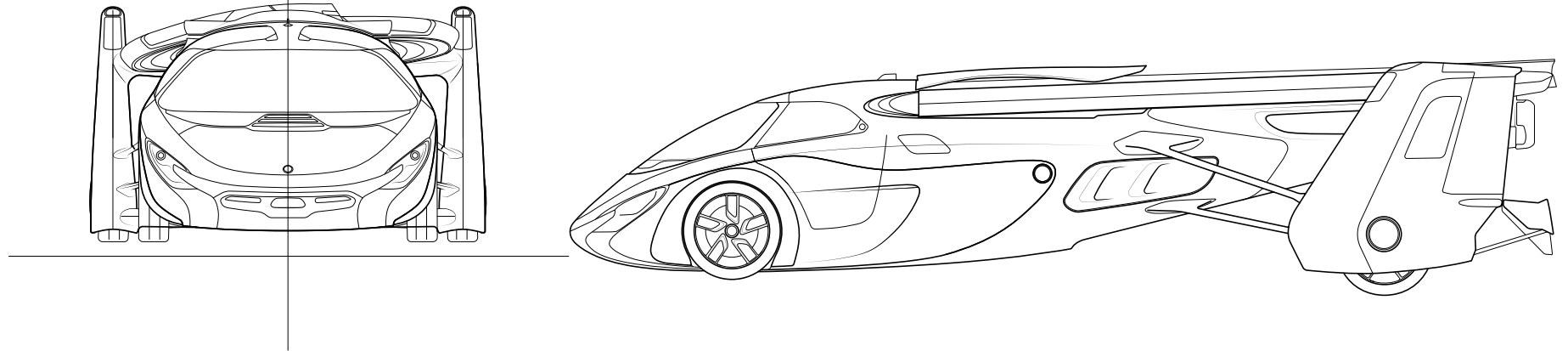


FLY IT.  
DRIVE IT.  
BELIEVE IT.

---







## SIZE

- Automotive Dimensions – Length: 6100 mm / 20 ft, Width: 2200 mm / 7 ft
- Aerospace Dimensions – Length: 6100 mm / 20 ft, Wingspan: 8800 mm / 30 ft

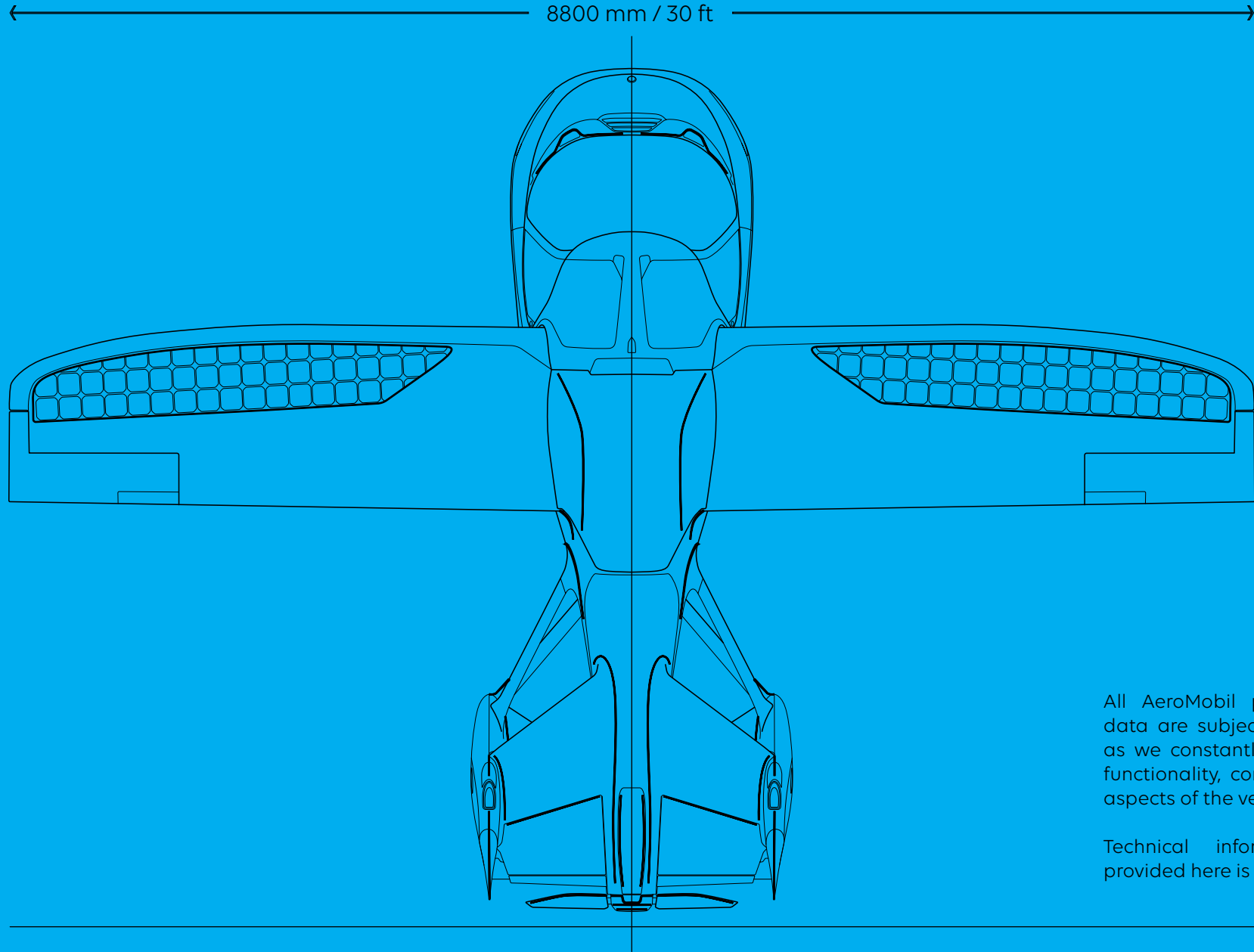
## POWER

- Modern automotive turbocharged internal combustion engine
- Power – 224 kW (300 bhp)
- Adaptive transmission delivering road-going functionality and direct drive during flight
- Constant speed propeller

## OPERATING RANGE

- Driving Range (estimated using WLTP) ~520 km / ~320 miles
- Flying Range ~520\* - 740\*\* km / ~320\* - 460\*\* miles

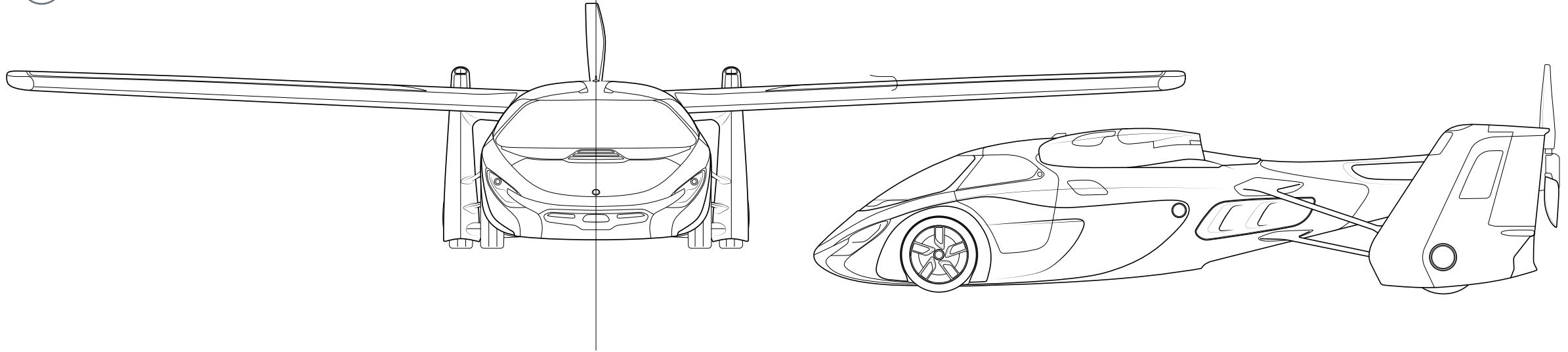
\* dual occupancy \*\* single occupancy



All AeroMobil product specifications and data are subject to change without notice as we constantly aim to improve reliability, functionality, compliance, design and other aspects of the vehicle.

Technical information and description provided here is for overview purposes only.





## PERFORMANCE

- Driving – Top speed 160 km/h, 0-100 km/h 10 sec / 100 mph, 0-62 mph 10 sec
- Flying\* – Cruise speed: 260km/h /160 mph
- Take-off / landing distance: 400m / 300m / 1300 ft / 980 ft

*\* verified by actual flight tests*

## SAFETY

- Ballistic Recovery Parachute System for entire vehicle
- Integral carbon fiber structure & occupant cell
- Autonomous flight via current autopilot technology (optional)

## KEY FEATURES

- Full transformation between drive and flight modes in less than 3 minutes
- Adaptive flight control surfaces and vehicle suspension for optimal take-off and landing
- Advanced controls and avionics in both fly and drive mode
- Engineered and tested in accordance to CS 23 aerospace certification standard

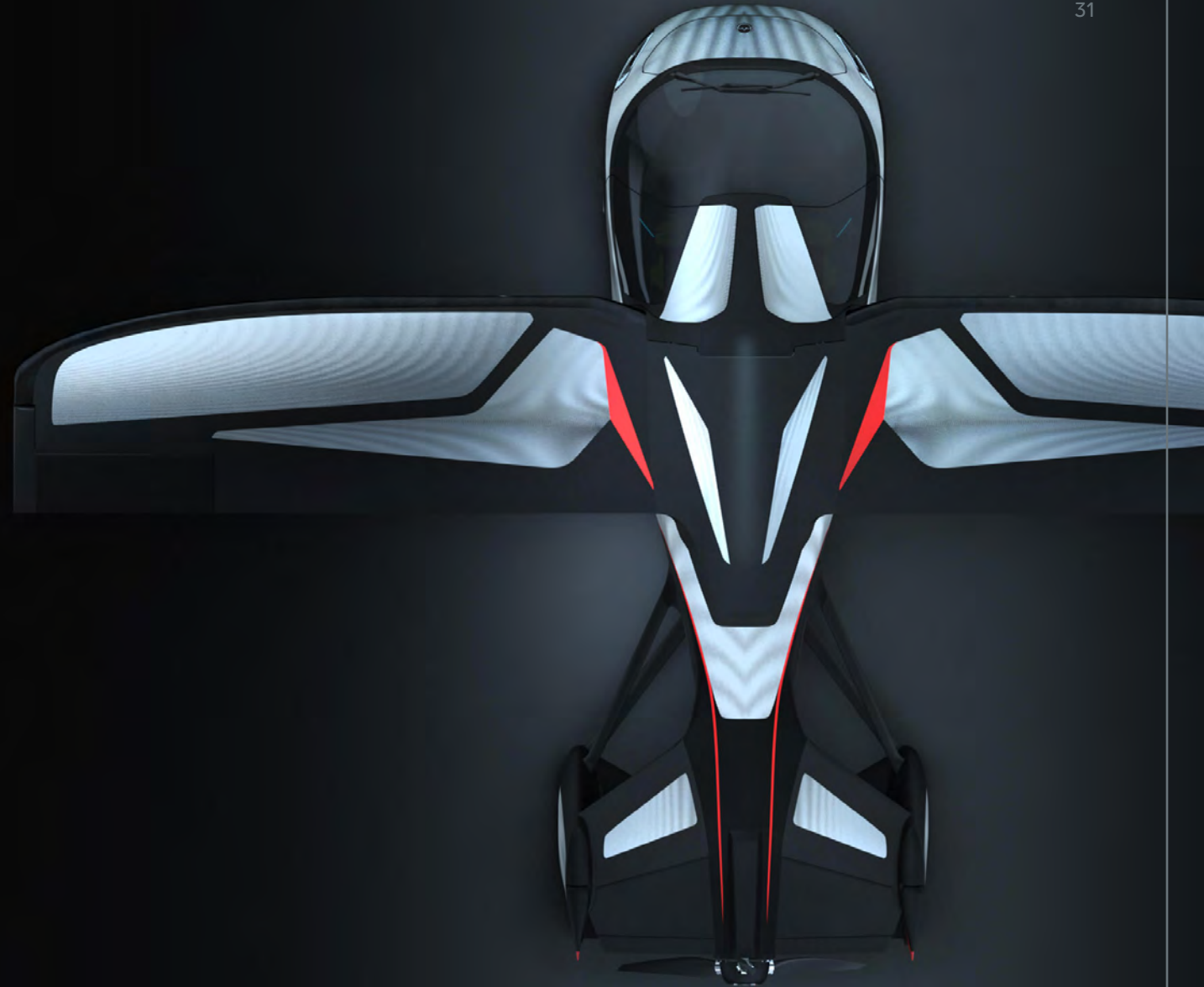
# DOOR TO AIR TO DOOR

To look at the future of cab hailing, just look up. The AeroMobil AM5.0 builds upon the breakthrough design and technology of the AM4.0 with a larger capacity to accommodate up to three passengers, one pilot and their luggage. This makes it an ideal fleet vehicle for regional door-to-door air mobility service operations. People will soon have an opportunity to rent a long-distance ride without switching vehicles.



# LIMITED EDITION. LIKE YOU

PRESENTING  
THE WORLD'S FIRST  
FLYING ART CAR.  
IT'S A ONE OF  
A KIND FOR THOSE  
WHO ARE, TOO.





Never before in history have the lines between art, automotive and aeronautics been so aesthetically blurred.

Part visual art, part performance art, the AeroMobil art car is celebration of movement that transcends time, space and ordinary descriptors.

Asot Haas, a progressive and multidisciplinary

artist based his vision on invisible gases moving through space and air. Their resulting interaction with objects became the inspiration for this masterpiece.

To make the invisible visible, Asot utilised the moire principle. He simulated three dimensional movement on a two dimensional surface by dressing the car in a dynamic foil with a bemusing graphic effect. This creates

depth and movement of structures even when the AeroMobil is standing still. The moire graphic visualization of lines traces the shape of AeroMobil to an extent, but then they depart to take on spontaneous curves that mimic aero-dynamic movement.

The mesmerising result is the world's first flying art car that's a must-see as much as it is a must-have.





TURN  
BYSTANDERS  
INTO  
BELIEVERS

---





# THE WIND BENEATH ITS WINGS

AeroMobil is the collective baby of an experienced leadership team, drawn from varied background of automotive, aerospace engineering, sales & marketing, manufacturing, composites technology, powertrain development, certification and aircraft operations.



**Patrick Hessel**

**CEO and Chairman**

Majority shareholder, EY entrepreneur of the Year, Founder of c2i (auto/aero carbonfiber components) – one of largest technology exits in Slovakia to LG. Engineering and business degrees from Cambridge, LSE, NYU Stern



**Tomáš Urík, PhD**

**CTO and Chief Engineer**

Chief Engineer of AeroMobil with extensive experience in aircraft design and engineering ranging from conceiving of conceptual layouts, through all aspects of aviation R&D activities up to several complete airplane developments in general aviation



**Gerd Berchtold**

Former CEO Diamond Aircraft, CEO Evektor, COO Grob Aircraft, VP Aerostructures Assembly Premium Aerotec, VP Structural Engineering EADS Military Aircraft (Eurofighter Program)



**Antony Sheriff**

CEO & Chairman Princess Yachts, Former CEO McLaren Automotive. Board positions at Aston Martin, Pininfarina, Rimac, Rivian





### Meir Arnon

Founder and Chairman of EcoMotion,  
investor in Israeli Autotech



### Jordan Hansell

Former CEO NetJets, President  
of Rockbridge Holdings, an  
investment platform focused  
on extensive corporate expertise



### Juraj Vaculik

AeroMobil's Founder, Founding CEO  
(2010-19) Board Member, serial entrepreneur  
and investor



### Omid Vaziri

London based investment  
banker, strategic advisor  
& investor



### Ross Bradley

#### Manufacturing Partnership development

Former BAE Systems managing director for the  
Eurofighter Typhoon. Former founding CEO of  
Strata – a Mubadala composites aerostructure  
supplier to Airbus and Boeing



### Hugues Le Cardinal

#### Head of Airworthiness

Renowned Certification expert, founding  
member of EASA, certified 10+ airplanes incl.  
Airbus E-Fan electric airplane



### Michael Farley

#### Head of Sales and Marketing

Former Head of sales and marketing  
at Icon Aircraft. Former CRO of a private  
aviation company

**Office of the Deputy Prime Minister for Investments and Informatisation**

*"AeroMobil is a unique project that helps position Slovak Republic as one of the most innovative countries in the region. Not only does it inspire and support innovation, it also helps to attract diverse talent from all around Europe. It's a very good example of how new industrial companies could be built."*

**Ministry of education, science research and sport of the Slovak Republic**

*"We supported AeroMobil R&D, by providing incentives for research and development. Ongoing applied research and experimental development in the years 2015 - 2017 brought great possibilities of new theoretical and technically applicable knowledge, innovation in construction, use of new materials, in technical, technological and operational solutions that will be transformed into building of a functional model of the AeroMobil, which will be the main output of the R&D projects. An important aspect of these projects is also an excellent and broad international cooperation."*

Feed your curiosity and desire at [www.aeromobil.com](http://www.aeromobil.com) for updates, general enquiries and pre-orders.



Pripojna 5, 821 06 Bratislava, Slovak Republic  
+421 2 3232 6000 | [www.aeromobil.com](http://www.aeromobil.com)

General information: [info@aeromobil.com](mailto:info@aeromobil.com)  
Media: [press@aeromobil.com](mailto:press@aeromobil.com)  
Commercial inquiries: [sales@aeromobil.com](mailto:sales@aeromobil.com)

Copyright AeroMobil©November 2021  
All information correct at time of the publication and subject to change.  
All comparisons and data are based on manufacturer's own figures.