



# SALON INTERNATIONAL DE L'AERONAUTIQUE ET DE L'ESPACE

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Paris - Le Bourget - From June 18 to 23, 2035

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***The 60th Paris Airshow  
A New Dawn in Aviation***



60<sup>th</sup> INTERNATIONAL  
PARIS AIR SHOW  
LE BOURGET  
SPECIAL EDITION



## *Announcement speech of the 60th edition of the Paris Airshow by the President of GEFAS*



"Ladies and Gentlemen, esteemed colleagues, and friends of aviation,

As we stand at the precipice of a new era, it is my honour to welcome you to the 60th edition of the Paris Airshow, a beacon of innovation and progress in the world of aviation.

Aviation, a sector that has been the focus of environmental criticism, remains an indispensable pillar of our global society. It connects continents, fuels economies, and fosters cultural exchange. Yet, we understand the concerns of our critics. We hear the call for change.

Traditional solutions such as taxation, price increases, or traffic reduction have been proposed, but these are mere band-aids on a wound that requires surgery. The real solution lies not in restriction, but in adaptation.

Adaptation, however, is not without its challenges. It demands a paradigm shift, a reimagining of what aviation can and should be. But these challenges have not deterred us. Instead, they have galvanized our resolve, uniting us in a collective commitment to the future.

The Paris Airshow 2035 is a testament to this commitment. It is here, under the Parisian sky, that we will showcase the fruits of our collective efforts over the past two decades. This is not just an exhibition, but a celebration of our industry's resilience and ingenuity.

Prepare to be amazed by breakthroughs in sustainable aviation fuel, marvel at the advancements in electric and hybrid propulsion, and witness the unveiling of ultra-efficient aircraft that were once the stuff of dreams.

As we gather here today, we stand on the cusp of a new dawn in aviation. An era where sustainability and progress are not at odds, but in harmony. An era where the skies are not just a pathway, but a promise of a better tomorrow.

So, I invite you to join us at the Paris Airshow 2035. Come, discover the future of aviation, and be a part of the journey towards a sustainable tomorrow.

In the words of Antoine de Saint-Exupéry, "As for the future, your task is not to foresee it, but to enable it." Let us enable a future that is sustainable, inclusive, and filled with endless possibilities.

Thank you, and I look forward to welcoming you to the Paris Airshow 2035.

Yours in aviation"



## The Dawn of the Paris Greenverse : Pioneering Aviation's Sustainable Future

It's 2035 and the eagerly anticipated Paris Airshow is set to launch once more for its 60th edition, this time punctuated by an exciting new department: **The Paris Greenverse**. As a spotlight on the industry's commitment to sustainable and eco-friendly practices, Greenverse is the emblem of change, showcasing how far we've come and the journey we've yet to embark upon.

### Lessons from the Aviation Industry's Pursuit of the "Net Zero Carbon"

For a long period of time, it has always been a well-known fact that the aviation industry contributes to a non negligible portion of global carbon emissions. Historically, back in 2020, aviation accounted for around **2.5% of global CO2 and greenhouse gases**.<sup>1</sup> Like many others, the industry has been constantly under mounting pressure to reduce its carbon footprint and adopt sustainable practices.

Although, it's important to note that during the last decades the field of aviation didn't simply wait there for a miraculous solution to appear. They have been proactive and strive to find better solutions for a better future.

For a time, they have been able to keep the score from soaring as the statistics show that air traffic has increased more rapidly than emissions.<sup>1</sup> This is due to constant innovations in the efficiency of airplanes.

As specialists say, we are indeed entering a new era for this Edition of the Paris Airshow. Because this time we are not merely relying on higher efficiency aircraft, we are **reshaping how we create and fly airplanes**.

This transition to sustainable alternatives has been fraught with countless obstacles, including the high costs associated with developing and implementing new technologies, the viability of these solutions and the need for international cooperation and regulatory support.

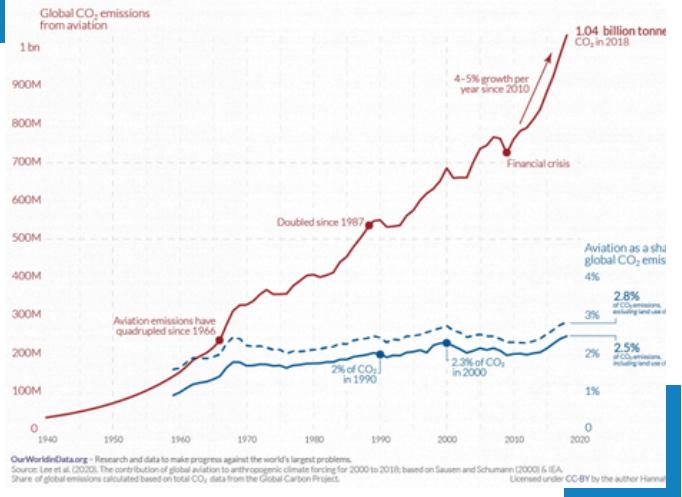
However, the industry's commitment to overcoming these challenges is unwavering. The Paris Greenverse is not merely a showcase of advanced tech, but a testament to the industry's determination to hit zero emissions.

One of the major concerns expressed by stakeholders is the potential cost implications of this transition.

However, in-depth analysis of the industry's trajectory and the reaped benefits of green technologies indicates that the Green Shift towards a zero-emission aeronautical industry is not only an environmental imperative but also an economically profitable strategy

### Global carbon dioxide emissions from aviation

Aviation emissions includes passenger air travel, freight and military operations. It does not include non-CO<sub>2</sub> climate forcings, or a multiplier for warming effects at altitude.

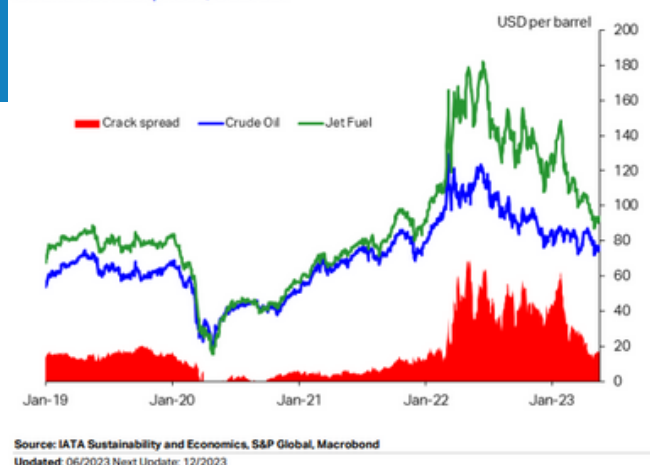


### Sustainable Aeronautical Industry : The right economical choice ?

Ten years ago, as governments worldwide enforced stricter environmental regulations and carbon pricing mechanisms, the cost of maintaining the status quo was set to escalate. An upward trend in carbon prices persisted as the world endeavors to meet the Paris Agreement's objectives. At this rate, **inaction would have meant the collapse of Air Transport**.

Conversely, the transition to greener technologies presents numerous economic advantages. Fuel, a significant operating expense for airlines, often constitutes 28% of total costs with the bill reaching USD 215 billion back in 2022.<sup>2</sup>

### Oil and Jet Fuel prices, USD/bbl



The innovations presented at the Paris Greenverse such as the new KX35 Next-Gen Aircraft aims to **decrease fuel consumption and emissions by up to 30%** compared to the most efficient single-aisle aircraft 10 years ago. This is currently translating into billions of dollars in savings for the industry.

Furthermore, investing in green technologies can stimulate economic growth and job creation. The International Renewable Energy Agency (IRENA) estimates that the global renewable energy sector could employ over 42 million people by 2050. With economic power shifted by the increased presence of emerging countries on the global scene of aviation, this is set to accelerate even further.

With all of that in mind, now let's take a tour and see how aviation managed, once again, to mesmerize the world with breakthrough technologies.

## The Paris Greenverse in a glance

### Electrification : the New Powerhouse

Electrification stands at the forefront of the industry's transformation. **Short-haul flights** mostly under 1500 km, which account for one-third of global air traffic emissions<sup>3</sup> were the perfect candidates for this shift. It turns out that the efforts made for the last two decades finally start to pay dividends.

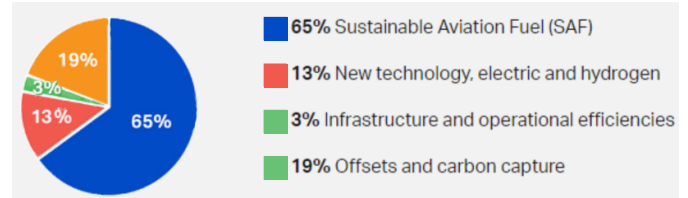
The Next-Generation of Aircrafts such as the E-Fan X of Airbus, Rolls-Royce and Siemens, the NASA's Sustainable Flight Demonstrator and the brand new KX35 Albatros made by the collective efforts of the industry are perfect examples of this new era. Since the institution, orders were soaring as they're showing emission reductions of up to 30% in real-world operations. **The trend is set.**

### Sustainable Fuels : The New Norm

Sustainable Aviation Fuels (SAFs) and hydrogen are leading the race to replace fossil fuels. Where the SAFs have been deployed, the results showed a reduction of lifecycle emissions by up to 65%<sup>4</sup>.

On one hand, the past few years have seen the rise of the second and third generation of SAFs. Many challenges plagued its deployment including infrastructure, logistics and technology concerns. However, the global policy support promoting this new kind of energy helped in making it a reality today.

Hydrogen on the other hand, despite its voluminous nature, security (highly flammable in large quantities)<sup>5</sup> and aircraft design challenges, has emerged as a potent energy carrier, offering a higher energy-to-weight ratio than conventional fuels<sup>6</sup>.



Source: IATA- Developing SAF [4]

### Breakthrough Aircraft and Engine Conception

The future of this "**Green Aviation**" is not just about fuels and energy. Engineers made significant improvements in **Aircraft Design and Conception**. Solutions like the Open Rotor 'RISE'<sup>7</sup> are now entering its phase of mass production.

The concept in itself combined with the **advancement in energy, composite materials and breakthrough technologies** onboard has led to the birth of a new fleet of aircraft within the code name of **KX35**.

This new generation presents new laminar and morphing wing designs, inspired by **biomimicry** to reduce drag and increase efficiency. Simultaneously, predictive maintenance and decision support capabilities enhance safety and efficiency.

*The journey towards a sustainable future, once a daunting challenge, is now a tangible reality, etching a new chapter in aviation history.*

*But the Paris Airshow 2035 doesn't stop here. As we pivot from the realm of sustainability, we are about to delve into another dimension of technological marvels, where the boundaries of air travel are redefined and the sky is merely the beginning.*

## The New Paris Skylabs : Showcasing the Future of Aerospace

Next on our itinerary at the Paris Airshow 2035 is the brand new Paris Skylabs. A harmonious blend of the former **Paris Air Lab and Paris Air Mobility**, Paris Skylabs is the embodiment of progress and forward thinking.

It's where cutting-edge technology meets practical solutions, shaping the future of air travel one innovation at a time.

### Challenges worthy of the industry that pushes the boundaries of what is possible

- *Towards a new **Jet Age**<sup>8</sup>: adapting to the rapidly changing technological Landscape*

The 21st century was rightfully dubbed the “**Digital Age**”, and by 2035, the title is still as fitting. In this era, technology is rapidly evolving, presenting both opportunities and challenges.

This technological revolution dramatically impacted the air transport industry, requiring us to **constantly adapt** and **innovate** to maintain competitive advantages.

The industry bravely rose to the occasion, embracing advancements ranging from **AI-controlled flight systems, Man-Machine Teaming** and **Air Taxis** to **improved cybersecurity measures**.

The results of this technological shift are strikingly clear at the Paris SkyLabs, where innovation is at the forefront.

- *Sky's the Limit : Doubling of Air Traffic & Mitigating Airport Congestion*

Another challenge that plagued the industry is the exponential growth of air traffic, which doubled in less than two decades. In 2020 pre-COVID, 4.5 Billion Passengers flew worldwide.<sup>9</sup>

As of 2035, that figure is expected to have more than doubled by the end of the year, reaching an astonishing 9.7 billion passengers.

The strain of an ever-growing number of passengers and flights led to significant delays and cancellations, impacting both **passenger satisfaction** and **operational efficiency**.

Despite these overwhelming numbers, the industry has largely managed to keep pace, due largely to the implementation of efficient and innovative technological strategies that is now on **full display at the Paris SkyLabs**.

### Charting New Heights : The Industry's Response to the Challenges with AI on the Forefront

- *The Dawn of AI-Powered Flight Systems*

Artificial Intelligence is at the heart of this year's Paris Airshow

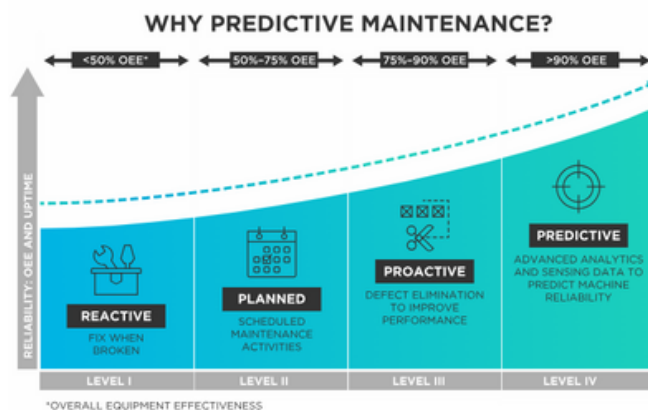
In the face of an ever-evolving technological landscape, the air transport industry has leveraged this technology that disrupted every sectors for the last few years.

The result? The birth of new AI-powered flight systems. These new systems don't remove the place of the Human in the decision making process but rather “**Augment**” the capabilities.

**Increased operational efficiency, reduced pilot workload** and most importantly **enhanced safety** are the promises of these new AI-powered flight systems currently in testing phase both on the **Defense & Civil** sides.

Aided by machine learning algorithms, these systems adapt to changes, forecast issues and provide prompt solutions, ensuring a smoother and safer flight experience.

- *Predictive Intelligence Becoming the New Norm*



Source: TIBCO - What is predictive maintenance? [10]

Another notable stride in the aviation world is the application of AI in predictive maintenance.

This approach uses data from multiple touch points & AI trained models to **predict potential issues before they even occur**.

Consequently, it minimizes unplanned downtime, reduces maintenance costs, and ensures optimal aircraft performance. With AI-powered predictive maintenance, unexpected aircraft mechanical failures are on the brink of becoming a thing of the past.

This new technology has long been developed and is finally in its maturity stage. Airline companies have already implemented various solutions along with manufacturers. In the last year prior to the show, maintenance costs have been reduced by 18%<sup>11</sup> and are expected to further decrease as more data is collected.

Startups and joint-venture projects about how this is currently shaping the future can be found at a dedicated hall at the Paris Skylabs.

- *Rise of Sky High Coordination (SHC): Advanced Traffic Management System*

The doubling of air traffic posed significant logistical hurdles. However, the industry's response was swift and efficient, with the implementation of advanced traffic management systems.

These innovative systems, powered by AI, allow for real-time air traffic management and forecasting, **ensuring seamless coordination** and **increased capacity**.

The results following the implementation of these systems on numerous airports across the globe are commendable: on-time arrivals improved by a striking 30%, and the average number of flights managed per hour by a single air traffic controller increased by 40%, leading to reduced congestion.<sup>12</sup>

Moreover, these systems have proved beneficial for the environment and flight safety, with **fuel consumption reduced by 15%** per flight and **aviation accidents** related to air traffic control **decreasing by 20%**.

These advances, among others showcased at the Paris Skylabs, demonstrate the industry's commitment to **efficiency, safety, and sustainability** in the face of ever-growing global mobility needs.

## Redefining Boundaries : Advent of Urban Air Mobility

One of the groundbreaking solutions showcased at the Paris Skylabs is the advent of Urban Air Mobility (UAM), primarily through **electric Vertical Takeoff and Landing (eVTOL) vehicles**.

This revolutionary approach to mobility offers a **solution to congestion** not just at airports, but also in our cities. However, the rise of eVTOLs raised concerns over **noise, safety** of our citizens and **pollution**. Yet, data from operational eVTOLs projects a more promising picture.

The noise levels have been shown to be comparable to regular traffic, reaching a maximum of **65 decibels** during takeoff and significantly less during flight.<sup>13</sup> Safety has been thoroughly addressed, with rigorous **testing protocols** resulting in an impressive safety record comparable to commercial aviation.

Furthermore, as they are electrically powered, eVTOLs produce **zero direct emissions**, making them a vital piece of the puzzle in creating sustainable urban transport.

### SKYTALK

Get ready for an electrifying rendezvous at Paris Airshow 2035!

Witness the titans of aerospace - Airbus, Volocopter, and Ehang - converge at the Paris Skylabs roundtable, tackling the pressing issues of safety and regulation. Don't miss your chance to engage, question, and shape the future of flight!

- *From Runways to Rooftops : the emergence of "Air Taxis"*

As part of the UAM infrastructure, the Paris Skylabs presented the concept of **Air Taxi Hubs**. These strategically located hubs will serve as launch and landing **spots for eVTOLs**, integrating them into the existing transport network and facilitating seamless urban mobility.

The advancements in flight range and autonomy showcased at the Skylabs are equally impressive. Modern eVTOLs are now capable of flights up to **200 kilometers**, covering most intra-city and suburban routes.





Source : SESAR Joint Undertaking . (2021) . Europe-wide urban air-mobility

For the occasion of this year's edition of the Paris Airshow, a section near Charles de Gaulle Airport and converted rooftop at La Défense Business District has been accommodate to allow for Air Taxi Travels to Le Bourget.

## Paris Skylabs Aftermath : Expectations for the Future

### A New Generation of Aircraft and System Management

Beyond 2035, we can expect to see a new generation of aircraft and air traffic management systems at Paris Skylabs. This year will already feature the long-awaited **KX35 "The Albatros" Demonstrator**.

Furthermore Air Traffic Management Systems are set to continue to improve with larger models of AI. These will be designed to accommodate the unique operational characteristics of air taxis and other new entrants into the airspace.

### Adapting Regulations for a Safe and Harmonious Airspace

Regulatory bodies will need to adapt to ensure the safe and harmonious integration of these new vehicles into the airspace. Technological solutions, such as **Unmanned Aircraft System Traffic Management (UTM)** and **Remote Identification (RID)**, are already being discussed and developed, all of which is **on full display at the Paris Skylabs**.



Source : European Defence Agency . (2019) . Civil – Military ATM Information Sharing Workshop

## Beyond Borders : Geopolitical Discussions at the Center Stage of the Paris Airshow 2035

The Paris Air Show 2035 is not just about showcasing the latest advancements in aerospace technology; it's about addressing the challenges that the industry faces. From the innovation race to maintain sovereignty and security to the rapid technological shifts, the event will delve into the issues that are shaping the future of the aerospace and military industry.

### Navigating through turbulent diplomatic & strategic spaces

- *The High Stakes Innovation Race*

In the aerospace and military industry, innovation is not just about staying competitive; it's about **maintaining sovereignty and security**. Countries that lead in aerospace technology have a strategic advantage, influencing global politics and the world order.

The industry is undergoing a rapid technological shift. New technologies are being developed at an unprecedented pace, transforming the way we think about warfare and defense

From the development of hypersonic weapons to the use of artificial intelligence in warfare, the event will showcase the latest advancements in military technology and discuss their implications for international security.

*During the Paris Airshow 2035, the panel discussion, "The Innovation Race: Sovereignty and Security in the new aviation era," will feature experts from leading aerospace and defense companies, including Lockheed Martin, RTX, Boeing, and Airbus.*

### The Need for Long-term Visibility and Regulatory Support

The lack of long-term visibility and regulatory support poses a significant challenge in the defense aviation sector. The supply chain is complex, rigid, and full of protocols, making it difficult to predict and respond to changes in demand.

Rapid technological developments **demand proactive regulations** that can provide a clear and secure path forward. However, in many cases, the regulatory frameworks lag behind the pace of technological advancement.

Events such as this 60th Edition of the Paris Airshow serve as a platform to bridge this gap.

## Spatial Discussions

A panel discussion on "*The Future of Space Exploration: Opportunities and Challenges*" will feature experts from NASA, SpaceX, ArianeGroup and the European Space Agency.



The Paris Air Show 2035 will host **discussions on the commercialization of space**. With private companies playing an increasingly prominent role in space exploration and exploitation, the event will explore the implications of this trend for the industry and international space law.

The event will also delve into the future of space exploration. It will highlight the latest advancements in spacecraft technology, the prospects for manned missions to Mars, and the potential for establishing permanent human settlements beyond Earth.

**Powering through the clouds :  
breakthrough technologies for the  
Defense Sector**

## Counter-Hypersonic Systems and Stealth Detection Technologies

In response to the rise of hypersonic technologies, the aerospace industry has developed **advanced counter-hypersonic systems**. These systems use a combination of **high-speed interceptors, directed energy weapons, and advanced radar technology** to detect and neutralize hypersonic threats.<sup>14</sup>



Source : Aviation Week Network . (2023) . MBDA Details Aquila European Hypersonic Interceptor Concept

In addition, the industry has developed **new stealth detection technologies** that can detect stealth aircraft<sup>15</sup> that traditional radar systems cannot.

These technologies use **quantum radar**, a technology that exploits the principles of quantum mechanics to detect stealth aircraft.<sup>16</sup>

*A demonstration of this technology will be a highlight of the event.*

## The rise of the KX35-NGCA

Among the many marvels gracing the Paris skies, the **KX35 Next-Gen Combat aircraft** (KX35-NGCA) takes a special place. An epitome of aerodynamic efficiency and firepower, the KX35 ushers in a **new generation of combat aircraft**.

They are characterized by a significant leap in **man-machine teaming**.<sup>17</sup> The integration of AI-driven systems into these aircraft will enable them to process vast amounts of data in real-time, enhancing situational awareness and decision-making capabilities.

Moreover, the advent of autonomous drones<sup>18</sup> has revolutionized the concept of air warfare. These drones, capable of carrying out complex missions autonomously, will work in tandem with manned aircraft, providing a formidable combination of human judgment and machine efficiency.

In essence, the **KX35-NGCA** is more than just a new type of combat aircraft. It's a symbol of the big leap in military aviation, combining stealth, speed, superior situational awareness, and groundbreaking technologies to create an unrivalled asset in aerial warfare.

## Beyond Ballistics : Direct Energy Weapons

Perhaps one of the most game-changing technologies presented at the show is the Directed Energy Weapons. Moving beyond traditional ballistics, these weapons harness **electromagnetic energy**, including **lasers and microwaves**, offering **high precision, speed-of-light engagement**, and endless 'ammunition' as long as power supply persists.

These advanced capabilities will provide nations with a robust deterrent against potential adversaries, ensuring their security and territorial integrity. The ability to respond quickly to threats.



## Breaking news : "Avion des métiers" gets a makeover

### AI and Automation : Engines for Job Creation, Not Displacement

In an era where AI and automation dominate the headlines, the Paris Airshow 2035 highlights a significant shift.

Contrary to fears of job displacement, these technologies are creating a **new landscape of opportunity in the aviation industry**. Contrary to the World Economic Forum's 2023 prediction of 83 million jobs being displaced by automation and AI<sup>19</sup>, the aerospace industry has seen a surge in AI-related jobs.

Rather than replacing humans, they are freeing them from mundane and repetitive tasks, allowing for roles that demand **creativity, problem-solving, and human interaction**.

### Reskilling : the Rise of the Augmented Worker

A term to characterize those who harness the power of AI to enhance efficiency, productivity and quality of outputs. Welcome to the era of the **Augmented Worker**.

To further illustrate the impact of this new trend here's an extract from a speech made during the Paris Airforum 2035:

*"Our Industry is evolving rapidly, and so must our skills. We've invested heavily in AI proficiency and data analytics for the past decade but it's not just about the tech. In this new age of man-machine collaboration, our uniquely human skills - problem-solving, creativity and adaptability - are just as vital. It's this blend of tech-savvy and human touch that will propel us forward. [...]"*

### Diversity and Inclusion : The Catalysts for Innovation

The aerospace industry has made significant strides in diversity and inclusion. The increase in representation of women in leadership roles and minority groups has brought fresh perspectives and ideas, fostering innovation and adaptation. This shift has not only been a moral victory but a strategic one, driving the industry forward.

The "Avion des métiers" has become a **hub for attracting diverse talents**. The aerospace industry, once appealing mainly to those with a pre-existing interest, has broadened its horizons.

*The industry's commitment to the continuous improvement of the human element is on full display at the 60th edition of the Paris Air Show.*





## " The Albatros Unveiled: A Detailed Look at the Future of Aviation at Paris Airshow 2035"

As dawn breaks over the Paris Airshow, an air of anticipation fills the venue. Spectators from around the globe watch as the KX35, the new generation of aircraft, is introduced, with the Albatros as its inaugural representative.

*"Ladies and Gentlemen, we welcome you to the flight demonstration of the Albatros, a key component of the KX35 generation. Prepare to witness a significant advancement in aeronautical engineering,"* the commentator announces, maintaining a tone of measured excitement.

The Albatros, with its sleek and futuristic design, inspired by its namesake bird, is revealed on the runway. Its structure, a blend of graphene and smart polymers, catches the first rays of the sun. Spectators take note of its unique design, a testament to modern engineering.

*"The Albatros is ready for takeoff,"* the commentator announces. *"Notice the reduced noise level. That's the power of hydrogen propulsion, a clean energy source that powers the aircraft without the usual roar of combustion engines. At just 60db, it's a significant improvement."*

The Albatros ascends into the sky, its movements smooth and controlled. It spirals upwards before diving down, demonstrating its maneuverability. Spectators watch as it seems to almost skim the ground, before rising back into the sky.

*"Observe that maneuver,"* the commentator says. *"That's the AI at work, adapting the flight in real-time based on conditions. And note the shape of the wings, changing depending on the speed and direction of the aircraft. It's a practical application of modern technology."*

The Albatros then twists and turns with precision, each movement controlled by the onboard AI.

*And now, we see the demonstration of 5G connectivity and IoT,"* the commentator announces. *"On the giant screen, you can see the Albatros's flight data in real-time, including its speed, altitude, hydrogen consumption, and even the state of its components. This is predictive maintenance in action."*

After a series of maneuvers, the Albatros heads towards the runway for landing. It descends and lands with controlled ease, a testament to its design.

*And there you have it, Ladies and Gentlemen, the Albatros demonstration concludes,"* the commentator wraps up. *"We have just witnessed a significant step forward in aviation, where aircraft are becoming smarter, cleaner, and more efficient. The era of the KX35 has begun."*

As the Albatros comes to a halt on the runway, the spectators applaud. They have just witnessed a significant moment in aviation, the introduction of a new era.

## The Albatros: Key Specifications and Partnerships

Specification	Detail	Partner
Program Launch	2030	Airbus, Boeing, Startups, MIT, University of Cambridge
Seats (Typical 2-class)	150 Passengers	Pininfarina
Range	3,500 nautical miles (6,500 Kilometers)	Bailard Power Systems
Length	130 feet (39.62 meters)	NASA
Wingspan	135 feet (41.15 meters)	University of Michigan's AIMS Lab
Cabin	Spacious, wide cabin with new custom architecture	N/A
Configuration	Twin-aisle (widebody) aircraft	N/A
Engine	Hydrogen fuel cell system	General Electric
Noise level	60db	N/A
Artificial Intelligence(AI)	Advanced AI system for real-time flight adaptation	IBM
Connectivity	5G connectivity and IoT for real-time data transmission	Qualcomm
Environmental Impact	Significantly reduced carbon footprint	N/A



As we conclude our journey through the Paris Airshow 2035, we are left with a sense of awe and anticipation.

The advancements we have witnessed, from the rise of sustainable aviation and the dawn of AI-powered systems to the geopolitical discussions shaping the future of aerospace, are nothing short of revolutionary.

They represent the culmination of decades of **collective effort, innovation, and resilience**. However, as we celebrate these achievements, we must also acknowledge the challenges that lie ahead.

The transition to a sustainable aeronautical industry, while economically promising and has already been proven to work now, is fraught with technical and logistical hurdles to be used at a global scale but **we're on pace for Net Zero Carbon by 2050**.

The rapid pace of technological innovation in defense could ignite an arms race, potentially destabilizing global security.

The power these technologies wield, if left unchecked, could lead to devastating consequences. The introduction of AI and automated systems in warfare also raises ethical questions about accountability and the value of human judgment in decision-making.

Hence, while we marvel at these breakthroughs, it's imperative that we also advocate for responsible use. International cooperation, robust regulatory frameworks, and an open dialogue about the ethical implications are paramount.

Yet, these challenges should not deter us. Instead, they should serve as a reminder of the importance of our ongoing commitment to innovation, collaboration, and responsible use of technology.

**The Paris Airshow 2035 has shown us that the future of aviation is not just about flying higher, faster, and further. It's about flying smarter, cleaner, and more sustainably. It's about ensuring that the skies continue to be a pathway to a better tomorrow.**

As we look to the future, we are filled with both hope and concern.

**Hope**, for the endless possibilities that these breakthroughs present.

**Concern**, for the potential pitfalls and unintended consequences that they may bring.

But if history has taught us anything, it's that the aviation industry is capable of overcoming even the most formidable challenges.

As we stand at the precipice of this new era in aviation, let us commit to creating a future that is not just technologically advanced, but also sustainable, inclusive, and beneficial for all.

*Thank you for joining us at the Paris Airshow 2035. We look forward to continuing this journey with you, as we navigate the challenges and opportunities that lie ahead. Together, we can ensure that the future of aviation is as bright as the skies it soars in.*



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- [1] [Climate change and flying: what share of global CO2 emissions come from aviation?](#)
- [2] [IATA. \(n.d.\). Fact Sheet - Fuel.](#)
- [3] [The International Council on Clean Transportation. \(n.d.\). Not Every Tonne Of Aviation CO2 Is Created Equal.](#)
- [4] [IATA. \(n.d.\). Sustainable Aviation Fuels.](#)
- [5] [IATA. \(2023\). Sustainable Aviation Fuel Policy.](#)
- [6] [Aerospace Testing International. \(n.d.\). Why Hydrogen As An Aviation Fuel Is In For The Long Haul.](#)
- [7] [IBA. \(n.d.\). Will Open Rotor Engines Be The Next Great Leap In Decarbonisation?](#)
- [8] [National Air and Space Museum. \(n.d.\). Stories of the Jet Age.](#)
- [9] [Statista. \(n.d.\). Airline Industry Passenger Traffic Globally.](#)
- [10] [TIBCO - What is Predictive maintenance?](#)
- [11] [McKinsey & Company. \(n.d.\). Digitally Enabled Reliability: Beyond Predictive Maintenance.](#)
- [12] [CORDIS - Bringing intelligent and trustworthy automation to Europe's aviation sector](#)
- [13] [NASA. \(n.d.\). The Benefits of Reduced Aircraft Noise.](#)
- [14] [Aviation Week Network . \(2023\) .MBDA Details Aquila European Hypersonic Interceptor Concept](#)
- [15] [Insider . \(n;d\). China says it has a new 'ghostly' quantum radar that can spot US stealth aircraft](#)
- [16] [MDPI . \( 2022 \).Study on Quantum Radar Detection Probability Based on Flying-Wing Stealth Aircraft](#)
- [17] [Dr. Jean Marc Rickly . \(2022\).Human-Machine Teaming in Artificial Intelligence-Driven Air Power Future Challenges and Opportunities for the Air Force](#)
- [18] [War on the rocks. \(2023\) . AI at war](#)
- [19] [The Stack Technology . \(2023\). AI will drive 83 million "structural" job cuts in 5 years says WEF](#)
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- [Airbus. \(n.d.\). Hydrogen in aviation](#)