



SkyLine Sentinel

HYBRID-ELECTRIC TILTROTOR PROGRAM

WE MAKE THE SKY CLOSER

THE PROBLEM /

Regional Aviation Has Reached Its Limits

Today's aircraft force operators to choose between speed, range, and vertical takeoff capability.

THE CHALLENGE



Helicopters

Slow cruise speeds, limited range, high operating costs, and intensive maintenance.



Conventional Aircraft

Fast and efficient, but dependent on airports and prepared runways.



Current eVTOL Aircraft

Excellent for urban mobility, but limited by short range, low payload capacity, and battery endurance.



Legacy Tiltrotors

Demonstrated the value of powered-lift aviation but remain expensive, mechanically complex, and primarily focused on military applications.



OUR SOLUTION /

Meet SkyLine Sentinel

A Hybrid-Electric Powered-Lift Aircraft
Designed for the Future of Regional Aviation.

We are building a new generation of aircraft that combines the vertical takeoff capability of a helicopter with the speed, range, and efficiency of a fixed-wing airplane.

KEY CAPABILITIES



Vertical Takeoff & Landing (VTOL)

Operate without conventional runways, expanding access to remote and infrastructure-limited locations.



Hybrid-Electric Propulsion

A highly efficient propulsion architecture designed to reduce operating costs while extending range and endurance.



High-Speed Regional Mobility

Cruise at 450 km/h with a maximum speed of 520 km/h, significantly reducing travel time compared with conventional helicopters.



Long-Range Performance

Up to 4,000 km ferry range, enabling regional and cross-border missions from a single platform.



Multi-Mission Platform

Designed to support passenger transport, cargo logistics, emergency medical services, search and rescue, and defense applications.



AI-Assisted Fly-by-Wire

Advanced digital flight control system with intelligent flight envelope protection, improving safety while reducing pilot workload.





NASIROV
GROUP

PRODUCT OVERVIEW /

Engineered for Performance

Designed to redefine regional powered-lift aviation through speed, efficiency, and operational flexibility.

KEY SPECIFICATIONS

PERFORMANCE	SKYLINE SENTINEL
Cruise Speed	450 km/h
Maximum Speed	520 km/h
Helicopter Mode Speed	250 km/h
RANGE BY MISSION TYPE	
Ferry	4,000 km
Passenger Transport	3,500 – 3,700 km
Cargo (2 t)	3,000 – 3,300 km
Combat Support	2,500 – 3,000 km
Helicopter Mode	600km
CAPACITY	
Passenger Capacity	10 Passengers
Flight Crew	2 Pilots
Maximum Payload	2,000 kg
Maximum Takeoff Weight	10,000 kg
FLIGHT CONTROL	AI-Assisted Fly-by-Wire

KEY MESSAGE

One aircraft platform.

Multiple revenue opportunities.

Instead of designing separate aircraft for different missions, SkyLine Sentinel provides a single adaptable platform capable of serving commercial, government, and defense operators.

PROPULSION & POWER SYSTEM

	Power Generation System	Two MW-class Turbogenerator
	Propulsion System	12 axial-flux electric motors
	Total Installed Power	4.2 MW 5,632 hp
	Safety Margin (Thrust-to-Weight Ratio)	1.58 T/

OUR VISION /

One Aircraft. Endless Missions.

Today, operators must purchase separate helicopters and airplanes for different missions.

Our vision is to replace multiple aircraft with a **single multi-role platform** capable of performing:



Passenger Transport



Offshore Operations



Cargo Logistics



Border Security



Air Ambulance



Government Transport



Search and Rescue

Defense and Special
Mission Operations

SENTINEL

SENTINEL



MARKET OPPORTUNITY

A Multi-Billion Dollar Market Opportunity

The future of aviation is shifting toward advanced, sustainable, and highly versatile aircraft.

GLOBAL OPPORTUNITY



Advanced Air Mobility (AAM)

Long-term global market opportunity driven by urban mobility, regional transportation, logistics, and next-generation aviation.

\$1 Trillion+



Defense Aviation

Governments worldwide continue investing in advanced vertical lift platforms, autonomous systems, and next-generation military aviation.

\$350+ Billion



Tiltrotor Segment

Demand is growing for aircraft capable of combining vertical takeoff with airplane performance for both civil and defense missions.

Rapidly Expanding

WHY NOW?

Several global trends are creating the ideal environment for next-generation powered-lift aircraft:

- ✓ Growing demand for sustainable aviation
- ✓ Increased defense modernization programs
- ✓ Regional air mobility expansion
- ✓ Advances in hybrid-electric propulsion
- ✓ AI-assisted flight technologies
- ✓ Government investment in Advanced Air Mobility (AAM)

OUR POSITION

SkyLine Sentinel is positioned at the intersection of three high-growth markets:



Regional Aviation



Advanced Air Mobility



Defense Aviation



WHY SKYLINE SENTINEL? /

What Makes Us Different

Not just another aircraft. A new powered-lift platform designed from day one for both civil and defense operations.

TRADITIONAL AIRCRAFT VS. SKYLINE SENTINEL

CAPABILITY	HELICOPTER	AIRPLANE	eVTOL	SKYLINE SENTINEL
Vertical Takeoff	✓	✗	✓	✓
High Cruise Speed	✗	✓	✗	✓
Long Range	✗	✓	✗	✓
Heavy Payload	✓	✓	✗	✓
Regional Operations	⚠	✓	✗	✓
Multi-Mission Platform	⚠	⚠	✗	✓
Hybrid-Electric	✗	✗	⚠	✓
AI-Assisted Flight	✗	✗	⚠	✓



COMPARISON WITH UAM

COMPARISON

SkyLine Sentinel vs. UAM Platforms

SkyLine Sentinel combines the efficiency of hybrid-electric propulsion with the versatility of a tiltrotor — delivering unmatched range, payload, and reliability.

	HYBRID TILTROTOR	TRADITIONAL TILTROTORS			eVTOL UAM PLATFORMS			
	 SkyLine Sentinel (Hybrid)	 V-22 Osprey (Military)	 V-280 Valor (Military)	 AW609 (Civil)	 Joby S4 (eVTOL)	 Archer Midnight (eVTOL)	 Beta Alia (eVTOL)	 Vertical Aerospace VX4 (eVTOL)
MTOW	10T	27,000 kg	14,000 kg	8,600 kg	~2,200 kg	~3,200 kg	~3,200 kg	~2,450 kg
Rotor / Propeller	2x Tiltrotor 9 m, 3-blade	2x Tiltrotor (11.6 m, 3-blade)	2x Tiltrotor (10.7 m, 3-blade)	2x Tiltrotor (7.9 m, 3-blade)	6x Fixed Tilt (~1.7 m prop)	12x Fixed Tilt (~1.4 m prop)	2x Fixed Tilt (2.1 m prop)	8x Fixed Tilt (~1.6 m prop)
Disk Loading (kg/m ²)	~127	~129	~78	~88	~120–140	~84	~162	~150
Hover Power (Total)	4,2 MW	~6 MW+	~4.3 MW	~3 MW	~1.5 MW	~1.8 MW	~1.6 MW	~1.2 MW
Max Thrust (Hover)	(155 kN)	~160 kN+	~125 kN	~90 kN	~25–30 kN	~30–35 kN	~28–32 kN	~24–28 kN
Cruise Speed	~520 km/h	~565 km/h	550 km/h	~510 km/h	~320 km/h	~240 km/h	~280 km/h	~240 km/h
Range	1,500 km ~2000 km - 4,000 km	1,600–3,800 km	1,500–3,900 km	~1380 km	241 km	~160 km	~460 km	~160 km
Energy / Fuel	Hybrid (Battery + Turbogenerator)	Turboshaft (100% Fuel)	Turboshaft (100% Fuel)	Turboshaft (100% Fuel)	Battery Electric	Battery Electric	Battery Electric	Battery Electric
Passengers / Payload	2-pilot 10 person or cargo	4 crew + 24 troops (yoki kargo)	2 crew + 12 troops (yoki kargo)	1+6 / 6–9 pax (yoki kargo)	1 pilot + 4 pax	1 pilot + 4 pax	1 pilot + 5 pax	1 pilot + 4 pax
Architecture	12 axial flux electric motor Shared gearbox	2x Turboshaft (1 per nacelle)	2x Turboshaft (1 per nacelle)	2x Turboshaft (1 per nacelle)	6x Electric Motors (direct drive)	12x Electric Motors (direct drive)	2x Electric Motors (direct drive)	8x Electric Motors (direct drive)
Redundancy	Very High (2-motor-out capable)	Medium (1 engine-out capable)	High (1 engine-out capable)	Medium (1 engine-out capable)	High (multi-motor)	High (multi-motor)	Medium (1 motor-out capable)	High (multi-motor)

GLOBAL TILTROTOR
PLATFORM
COMPARISON

The world's best-known tiltrotor aircraft include the Bell Boeing V-22 Osprey, the Bell MV-75, and Italy's Leonardo AW609.



PARAMETER				
Manufacturer	Bell / Boeing	Bell	Leonardo	Nasirov Aviation
Market Segment	Military	Military (Next-Generation)	Civil / VIP	Military / Dual-Use
Crew	4	2-4	1-2	Autonomous / 1
Passenger Capacity	24 troops	12-14 troops	6-9	2-pilot 10 person or cargo
Maximum Speed	509 km/h	~520-550 km/h	510 km/h	520+ km/h
Range	1,600-3,800 km	1,500-3,900 km	1,390 km	1,500 - 2,000 km ~4,000 km
Service Ceiling	25,000 ft	30,000+ ft	25,000 ft	16,000 - 20,000 ft
MTOW	23 t	~15-18 t	~6-8 t	10 t
Weight	15 t	8 t	4,7 t	8 t
Margin	8.3 t (35%)	5.6 t (41%)	3.4 t (42%)	1.58 T/W (58%)
Propulsion Type	12,335 hp (~9.2 MW) Turboshaft	~10,000 hp (~7.5 MW) Turboshaft	3,889 hp (~2.9 MW) Turboshaft	Electric Motor 4.2 MW (5,632 hp)
VTOL Capability	Yes	Yes	Yes	Yes
Autonomous Flight	No	No	No	Yes (AI + Autopilot)
Low Observable Design	No	Partial	No	Yes (Reduced Radar & IR Signature)

CONVENTIONAL TILTROTORS ARE BUILT AROUND



Turboshaft
Engines



Complex Mechanical
Transmission Systems



Hydraulic
Controls



Technology That Defines the Future

An intelligent hybrid-electric architecture designed to improve efficiency, safety, reliability, and mission capability.

OUR CORE TECHNOLOGIES



Distributed Axial-Flux Electric Motors

High-torque, lightweight motors integrated throughout the aircraft for superior efficiency and redundancy.



Two MW-Class Turbogenerators

High-efficiency turbogenerators provide scalable power for all-electric propulsion and onboard systems.



Electric Proprotor Hub Pitch System

Electrically actuated variable-pitch system enabling precise control, reduced complexity, and lower maintenance.



Dual Electric Tilt Actuators

Fully electric tilt system for reliable transition between vertical and forward flight.



AI-Assisted Fly-by-Wire Flight Control

Advanced AI-enhanced flight control system for optimal performance, stability, and safety.



Active Vibration Control System (AVCS)

Real-time vibration monitoring and active suppression for improved comfort, durability, and component life.



An Autonomous Flight-Ready Architecture

Designed from the ground up for autonomous operations, supervising and uncrewed missions.



WHY IT MATTERS



More Efficient

Reduced operating costs through optimized hybrid-electric propulsion.



Safer

AI-assisted flight controls and redundant propulsion architecture improve operational safety.



Smarter

Digital flight management enables future autonomous capabilities.



More Reliable

Fewer mechanical systems result in reduced maintenance and higher aircraft availability.

CERTIFICATION & UAE STRATEGY /

Building with Certification in Mind

Our strategy is to establish the company in Abu Dhabi and certify SkyLine Sentinel as a Powered-Lift aircraft under internationally recognized airworthiness standards.

WHY UAE?



Abu Dhabi

Building our global headquarters within one of the world's fastest-growing aerospace and advanced mobility ecosystems.



Hub71 & Strategic Ecosystem

Connecting with investors, technology partners, aerospace companies, and government organizations to accelerate commercialization.



GCAA Engagement

Working with the UAE General Civil Aviation Authority (GCAA) to establish the certification pathway for our Powered-Lift platform.



Global Certification Vision

Developing the aircraft with a certification strategy aligned with internationally recognized Powered-Lift requirements and future engagement with global aviation authorities.



CERTIFICATION ROADMAP



2026

Company
establishment
in Abu Dhabi

GCAA engagement
G-1 Certification Basis
Preliminary Design
Review



2027-2028

Prototype
Development

Ground Testing
System Integration



2028-2030

Flight Test
Campaign

Certification
Testing



2030+

Type Certification
Production
Entry Into Service

LEADERSHIP TEAM /

Built by World-Class Aviation Leaders

A leadership team combining global aviation, certification, aerospace engineering, finance, and technology expertise.

EXECUTIVE LEADERSHIP



Billy Nolen

Co-Founder & Chief Executive Officer

Former Acting Administrator of the U.S. FAA and former Chief Safety Officer & Chief Regulatory Affairs Officer at Archer Aviation.

LEADS:

- Global Strategy
- Certification
- Government Relations
- Investor Relations
- International Partnerships



Baurjan Nasirov

Co-Founder & Chief Operating Officer

Founder of the SkyLine Sentinel program, responsible for corporate operations, business strategy, partnerships, and program execution.

LEADS:

- Program Management
- Business Development
- Operations
- International Relations



Azim Abdusattarov, MBA

Co-Founder & Chief Financial Officer

More than 20 years of executive leadership across investment, finance, industrial development, and corporate management.

LEADS:

- Corporate Finance
- Capital Raising
- Investor Relations
- Financial Strategy



Prof. Nuriddin
Abdujabarov
Technical Advisor



Golib Nur
Technical Advisor



Daniel Hayes,
MRAES
Strategic Advisor



Musurmon
Madrahimov
Co-Founder &
Chief Commercial Officer



Asqarbek
Raimov
Chief Design Engineer



Our work has been featured in the **BLUEPRINT** section of **Royal Aeronautical Society Aerospace Magazine** (May 2026 edition).

WHY OUR TEAM MATTERS

Our leadership combines expertise from:

- ✓ FAA
- ✓ Archer Aviation
- ✓ Global Aerospace
- ✓ Aircraft Certification
- ✓ Aircraft Design
- ✓ Corporate Finance
- ✓ International Business Development



INVESTMENT OPPORTUNITY /

Investment Opportunity

Building the Future of Powered-Lift Aviation



WE ARE SEEKING

Pre-Seed Investment

\$6 Million

To accelerate the development of the SkyLine Sentinel program and establish our global headquarters in Abu Dhabi.

USE OF FUNDS



Aircraft Engineering & Design
Complete preliminary engineering, detailed design, and system integration.



Certification
Advance GCAA certification activities and prepare for international certification pathways.



Prototype Development
Engineering laboratories, propulsion testing, structural validation, and prototype manufacturing.



Team Expansion
Recruit world-class aerospace engineers, certification specialists, and software developers.



Global Business Development
Establish the UAE headquarters, develop strategic partnerships, and support customer and investor engagement.

KEY MILESTONES



Finalize G-1 Certification Basis



Establish UAE Headquarters



Complete Preliminary Aircraft Design



Expand Engineering Team



Begin Prototype Manufacturing

WHY INVEST NOW?

- ✓ Experienced Leadership Team
- ✓ Multi-Billion Dollar Market
- ✓ Hybrid-Electric Technology
- ✓ Civil & Defense Applications
- ✓ UAE Aerospace Ecosystem
- ✓ Clear Certification Strategy

INVESTMENT VISION

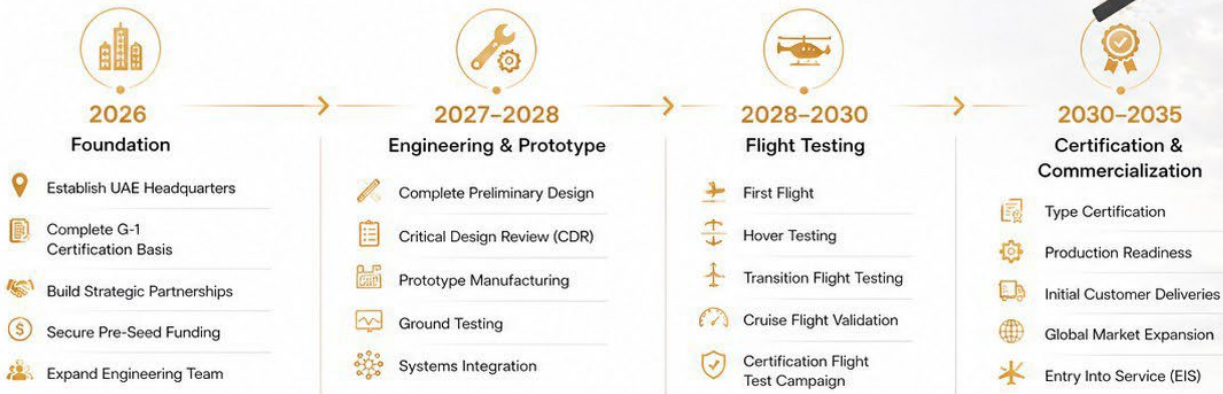
We're not raising capital to build an aircraft.

We're raising capital to build the **next global aerospace company.**



Our Roadmap

A clear path from concept to commercial operations.

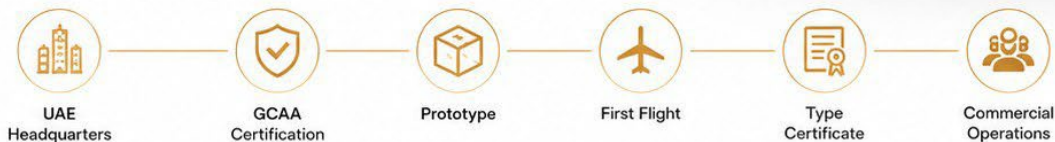


LONG-TERM VISION

Build a Family of Powered-Lift Aircraft



KEY MILESTONES



WHY INVEST IN NAC?

Why Invest in NAC?

Building the Next Global Powered-Lift Aerospace Company



WE ARE SOLVING A GLOBAL CHALLENGE

Regional aviation needs an aircraft that combines the flexibility of vertical flight with the speed, range, and efficiency of fixed-wing aviation.



A WORLD-CLASS LEADERSHIP TEAM

Our leadership brings experience from the FAA, Archer Aviation, Boeing, aerospace engineering, finance, and global business development, providing the expertise required to execute a program of this scale.



A DIFFERENTIATED TECHNOLOGY PLATFORM

SkyLine Sentinel integrates:

- ✓ Hybrid-Electric Propulsion
- ✓ Distributed Electric Propulsion
- ✓ AI-Assisted Fly-by-Wire
- ✓ Electric Hub Pitch Technology

Designed from day one as a next-generation powered-lift aircraft.



MULTI-MARKET OPPORTUNITY

One platform serving:



Creating multiple long-term revenue opportunities.



BUILT FOR GLOBAL CERTIFICATION

The program is being developed with certification and commercialization as core objectives, supported by a clear development roadmap and engagement with the UAE aerospace ecosystem.

WHY INVEST NOW?

- ✓ Early-stage entry into a high-growth aerospace company
- ✓ Large addressable global market
- ✓ Experienced leadership and advisors
- ✓ Scalable business model
- ✓ Strong UAE growth strategy
- ✓ Significant long-term value creation

OUR VISION

We are not simply developing an aircraft.

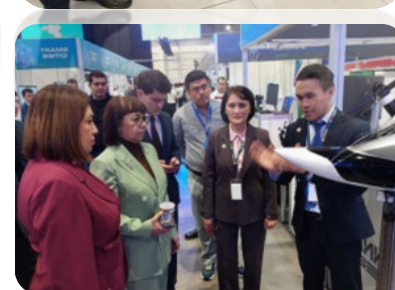
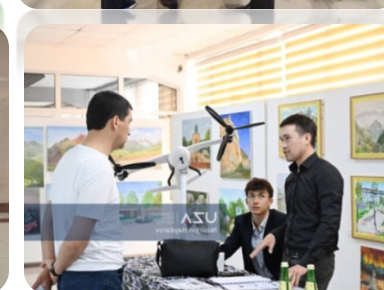
We are building a globally competitive **aerospace company** that will shape the future of powered-lift aviation.



OUR WORKS /

Our Works

Showcasing our presence at exhibitions, industry events, and collaborations with partners worldwide.
Building a strong foundation for the future of aviation.



THANK YOU

The Future of Flight Starts Here

Building the next generation of hybrid-electric
powered-lift aircraft for the world.

Web site: nasiroaviation.com

Press: press@nasiroaviation.com

nasiroaviationcorporation@gmail.com

investors@nasiroaviation.com

HR department: HR@nasiroaviation.com

Telephone: +998331131332

Telephone: +1 469588-5673

Linkedin / Telegram / Whatsapp / YouTube: nasiroaviation

CONTACT



nasiroaviation.com



info@nasiroaviation.com



Abu Dhabi, United Arab Emirates
(planned headquarters)

