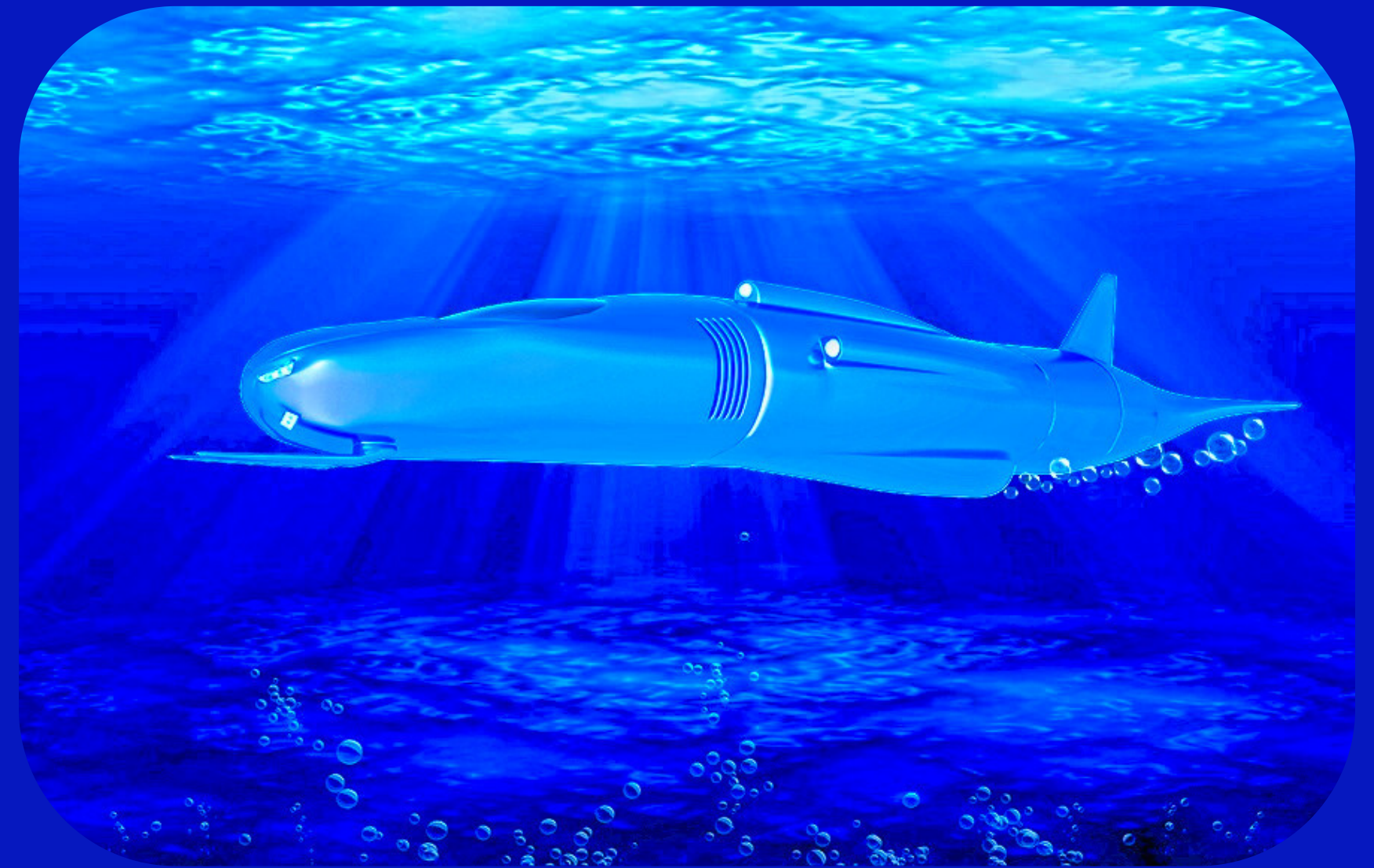


CLEAPOLIS

The AI-Powered Eco-Justice Drone



05/05/2025



Visit our website
www.cleapolis.com

05/05/2030

Presented By:
Tural Abdullayev

ABOUT US

Innovation & Safety



Tural Abdullayev
Chief Executive Officer

- **Leadership & Strategy:** The core leadership team combines expertise in environmental science, artificial intelligence, and international policy, aligning CleaPolis's vision with global sustainability frameworks while steering strategic partnerships and investor relations for large-scale implementation.
- **Engineering & Innovation:** A multidisciplinary group of robotics engineers, data scientists, and hardware specialists design the AI lab drones, develop proprietary sensor algorithms, and maintain the blockchain-based evidence infrastructure to ensure reliability, scalability, and precision.
- **Legal & Impact Advisory:** Environmental lawyers, compliance experts, and sustainability advisors work to align CleaPolis's operations with national and international regulations, translating AI findings into legally binding evidence and measurable impact across the global eco-justice ecosystem.

Problem

Global Water Pollution: Invisible, Uncontrolled, Unpunished Crisis



Scale

Over 11 million tons of plastic and toxic waste enter oceans and lakes every year, severely damaging marine ecosystems.

Traditional monitoring systems cover less than 15% of global waters, leaving most pollution untracked and unpunished.

Causes

Industrial facilities, ships, and coastal infrastructures discharge untreated waste, exploiting weak surveillance mechanisms.

Human-dependent inspection processes are slow, expensive, and prone to manipulation or bribery, allowing violators to act freely.

Impact

Water pollution kills millions of marine species annually and contaminates food chains, directly affecting human health. The economic loss caused by water contamination exceeds \$500 billion per year, destabilizing coastal communities and global trade.

Solution

AI Justice for the World's Waters

Traditional:

Manual inspections rely on limited human patrols and delayed lab analyses, making it nearly impossible to trace pollution sources accurately or prevent corruption in reporting.

Robotic:

Current marine robots can collect samples or map pollution zones but lack legal traceability, AI reasoning, and real-time connection with enforcement systems.

CleaPolis:

An autonomous AI-driven eco-justice drone that detects pollution in real time, identifies the responsible entity, verifies data through onboard analysis, and instantly reports to authorities for transparent penal action.



Business Model

Turning Environmental Justice into a Sustainable Revenue Ecosystem

Key Partners	Key Activities	Customer Relationships	Revenue Streams	Customer Segments
CleaPolis collaborates with environmental agencies, maritime authorities, and industrial regulators to ensure legal enforcement of its AI findings. Technology partners, including sensor manufacturers and AI research labs, provide continuous innovation and technical scalability.	Core operations include real-time pollution detection, AI data processing, and automated reporting to governmental platforms. Additionally, CleaPolis develops data analytics dashboards and integrates blockchain verification for tamper-proof evidence management.	CleaPolis maintains long-term partnerships with governments, NGOs, and corporations through service contracts and performance-based agreements. The system also offers subscription-based monitoring for private industries seeking compliance and sustainability certifications.	CleaPolis earns a 10% commission from every confirmed pollution fine processed through its system. Additional income arises from subscription monitoring services, environmental data sales, and strategic technology licensing.	Primary customers are national environmental protection agencies and maritime surveillance organizations. Secondary markets include industrial companies, research institutions, and global NGOs focused on sustainability and ESG compliance.
	Value Proposition		Cost Structure	
	CleaPolis eliminates human bias and corruption by delivering verified, AI-based environmental evidence. It empowers authorities to act instantly, turning environmental protection into a transparent, data-driven process.		Major costs include R&D for AI and robotics, sensor maintenance, and regulatory certification. Operational expenses cover fleet management, cloud infrastructure, and global data storage systems.	
Key Resources			Channels	
Proprietary AI algorithms, multi-sensor drones, and the blockchain reporting infrastructure form the technological core. Human expertise in data science, marine ecology, and legal compliance ensures operational and scientific integrity.			CleaPolis reaches clients through direct B2G (Business-to-Government) partnerships, digital platforms, and international environmental summits. Online dashboards and API integrations enable seamless communication with enforcement databases and monitoring systems.	

Technology

Intelligence, Precision, and Justice Beneath the Waves

AI Laboratory Core:

At the heart of CleaPolis lies an onboard AI laboratory that autonomously conducts chemical, biological, and particulate analyses of water samples in real time, cross-referencing molecular data with environmental databases to trace pollution sources and establish verifiable accountability within seconds.

Sensor Fusion Network:

An integrated array of multi-modal sensors — including infrared, spectroscopic, and hydrochemical modules — continuously maps surface and subsurface pollution patterns, combining them with geospatial and current-flow data to build a dynamic contamination footprint that evolves with environmental conditions.

Secure Data & Enforcement Link:

Each data packet, validated through blockchain encryption, is automatically transmitted to governmental or institutional servers, ensuring immutability, legal traceability, and instant initiation of enforcement protocols without human interference or potential corruption.



Application Areas

From Local Waters to Global Environmental Governance



Industrial and Coastal Zones

CleaPolis operates along industrial shorelines, ports, and wastewater discharge sites, continuously detecting illegal emissions, mapping contamination spread, and providing regulatory authorities with immediate, evidence-based reports for enforcement and compliance auditing.

Freshwater Ecosystems

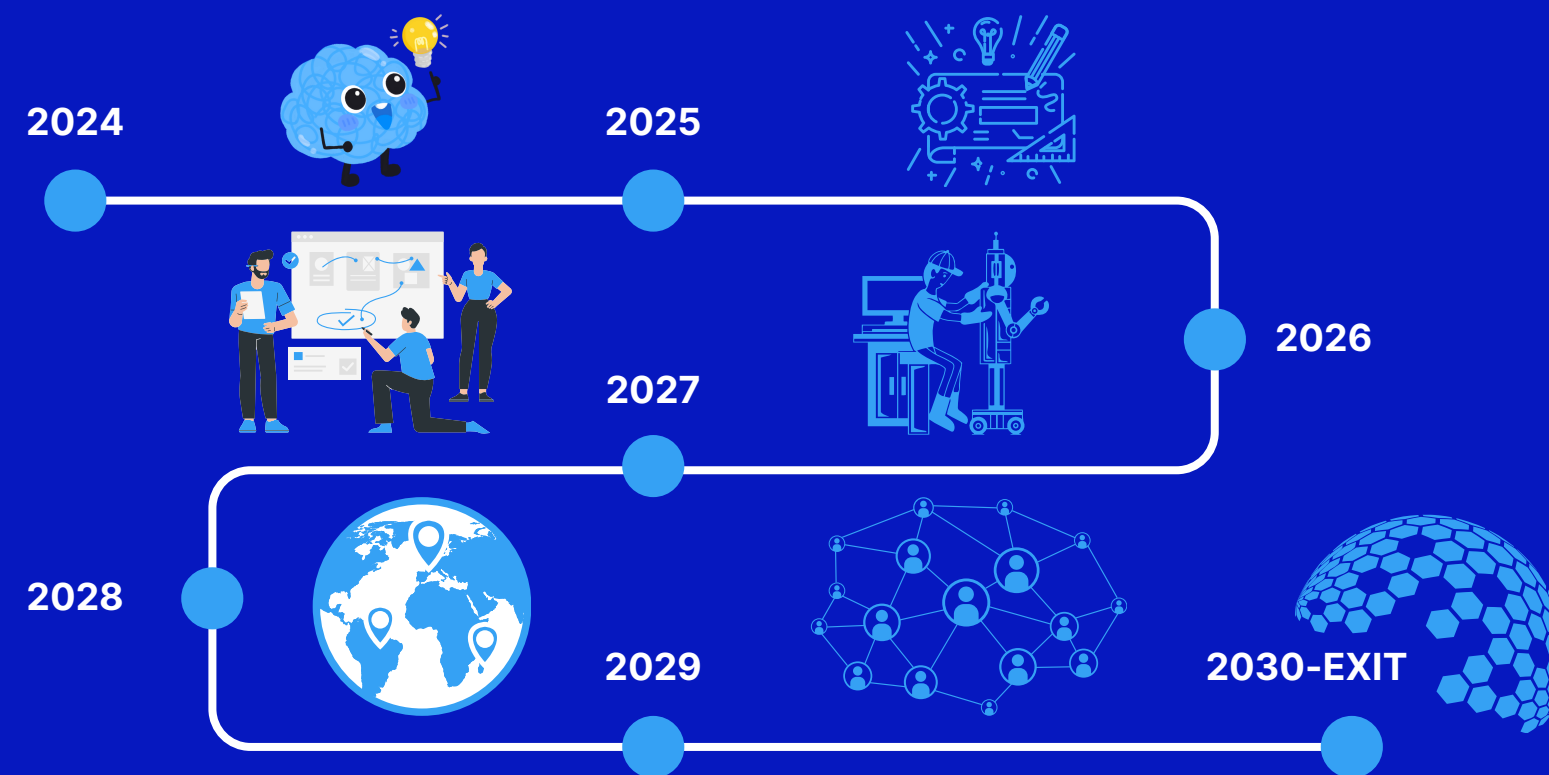
In rivers, lakes, and reservoirs, the system monitors agricultural runoff, sewage infiltration, and chemical waste, building predictive pollution models that help municipalities and researchers forecast ecological risks and design sustainable water management policies.

Oceanic and Research Missions

Deployed in open seas and international waters, CleaPolis functions as an autonomous guardian and data collector, supporting marine scientists, NGOs, and intergovernmental organizations with real-time intelligence for biodiversity preservation and climate resilience strategies.

Timeline

From Prototype to Global Eco-Justice Deployment



Phase I – Research & Prototype

Initial R&D focuses on developing the AI laboratory module, integrating multi-sensor detection systems, and testing CleaPolis prototypes in controlled freshwater environments to validate pollution identification accuracy and real-time data transmission efficiency.

Phase II – Pilot Operations & Partnerships

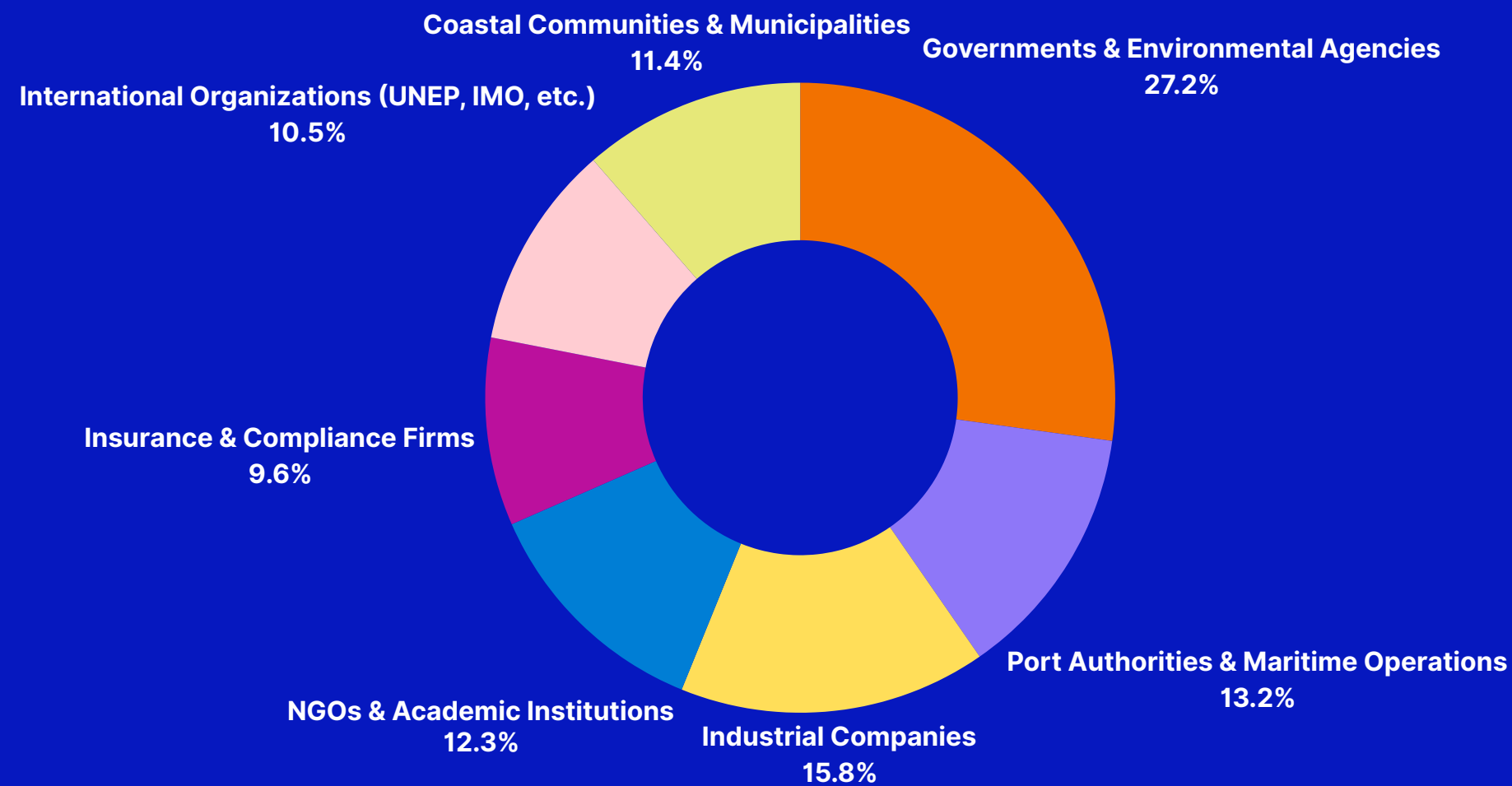
CleaPolis expands to coastal industrial regions through pilot collaborations with environmental agencies and maritime authorities, refining its AI algorithms, establishing blockchain verification standards, and securing regulatory validation for official enforcement use.

Phase III – Global Scaling & Impact

The system transitions into full-scale deployment across oceans, ports, and inland waterways worldwide, forming a unified environmental intelligence network that enables global eco-governance, cross-border accountability, and data-driven climate action.

Timeline

From Prototype to Global Eco-Justice Deployment



0.015%

Core Team

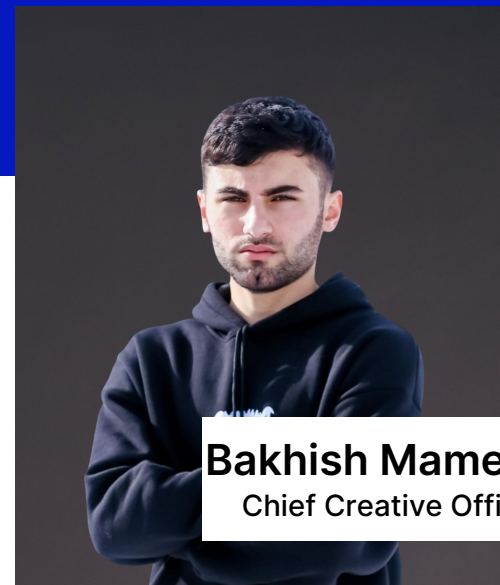
Visionaries Uniting AI, Ecology, and Enforcement



Farda Babayev
Chief Product Officer



Nihad Zaidov
Chief Marketing Officer



Bakhish Mamedov
Chief Creative Officer



Nurlan Orujov
Chief Technology Officer

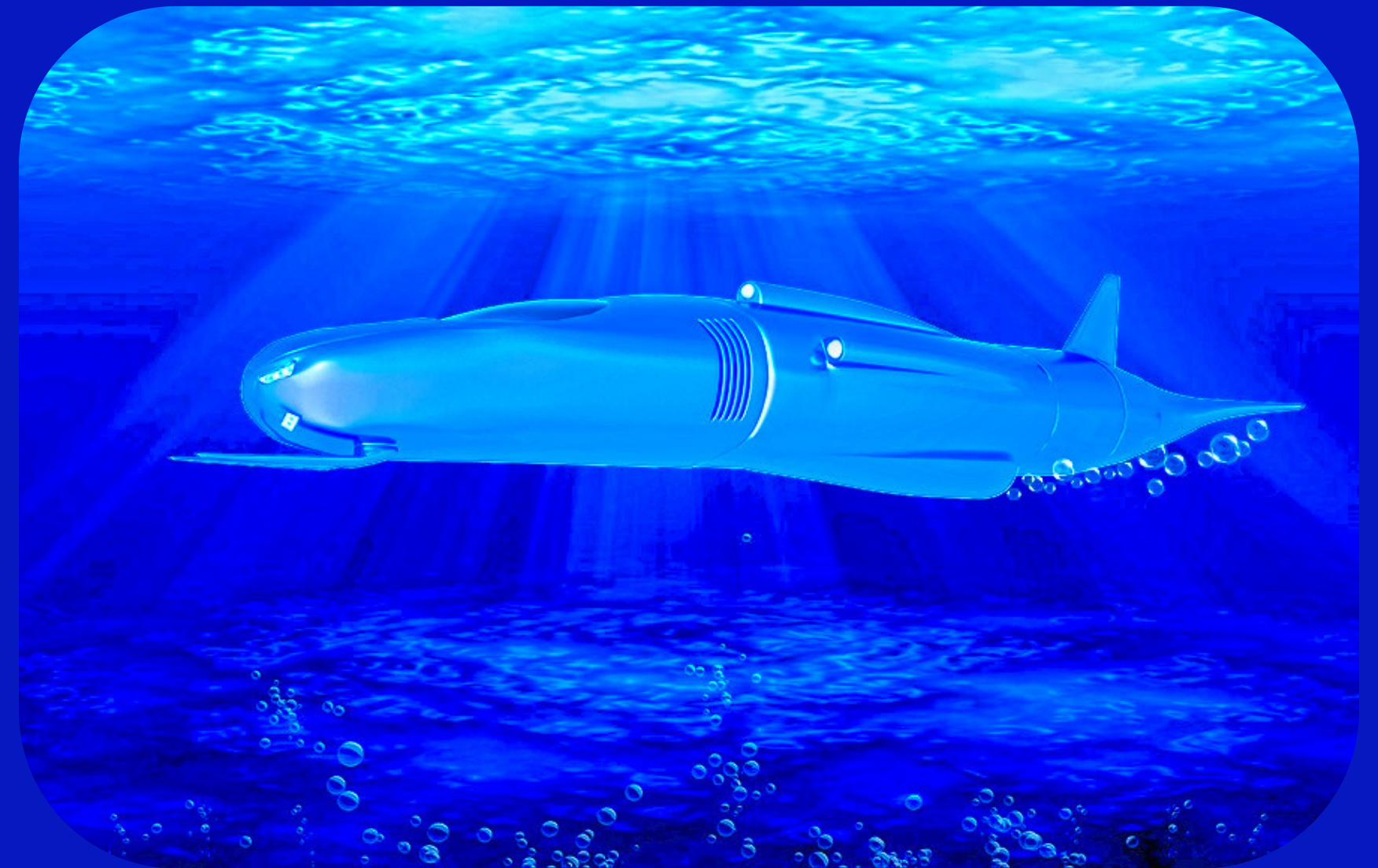


Farid Murshudlu
Chief Research Officer

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