Innovative nano helicopter technology for search and rescue, disaster management, and professional imaging.

Summary

Profile type
Technology offer

Company's country
Türkiye

POD reference
TOTR20250306009

Profile status
PUBLISHED

Type of partnership
Commercial agreement with technical assistance
Research and development cooperation agreement
Investment agreement

Targeted countries
- **Netherlands**
- **Belgium**
- **France**
- **Germany**
- **Spain**

Contact Person
Enrico FRANZIN

Term of validity
6 Mar 2025
6 Mar 2026

Last update
6 Mar 2025

General Information

Short summary

A technology provider specializing in nano helicopter solutions offers advanced unmanned aerial vehicle (UAV) systems for search and rescue operations, disaster management, and high-precision aerial imaging. A compact, highly maneuverable UAV with real-time imaging and modular sensor integration has been developed. Seeking partners for commercialization, joint ventures, and technology collaboration in Europe and beyond.

Full description

A cutting-edge nano helicopter system has been designed for critical missions in search and rescue, disaster response, and aerial imaging applications. With a strong focus on innovation and research and development (R&D), the technology integrates real-time video transmission, high-resolution sensors, and autonomous navigation capabilities.

The flagship model is currently in production, while an advanced version is under development to enhance flight capabilities and system integration. Opportunities are available for technology commercialization, research collaboration, and deployment partnerships in various sectors.

Advantages and innovations

- Ultra-quiet operation: Specially designed rotor system for minimal noise emissions.
- High maneuverability: Coaxial rotor system and rear thruster for enhanced agility.
- Modular sensor integration: Customizable payloads for diverse operational needs.
- Real-time imaging and data transmission: High-resolution optical and thermal cameras.
- All-terrain operational stability: Optimized for harsh environmental conditions.
- Portable and user-friendly design: Compact form factor with a single-hand controller.

Technical specification or expertise sought

Stage of development

Already on the market

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 11: Sustainable Cities and Communities**
- **Goal 13: Climate Action**

IPR Status

IPR applied but not yet granted

IPR Notes

Proprietary design and patent applications in progress.

Partner Sought

Expected role of the partner

Seeking collaborations with:

Distributors and technology partners for UAV commercialization.

Research institutions and government agencies for UAV deployment in search and rescue operations.

Defense and security firms for advanced surveillance applications.

Investment partners for scaling production and market entry.

Type of partnership

Commercial agreement with technical assistance

Research and development cooperation agreement

Investment agreement

Type and size of the partner

- **Big company**
- **SME <=10**
- **University**
- **SME 11-49**
- **Other**
- **SME 50 - 249**
- **R&D Institution**

Dissemination

Technology keywords

- **02011001 - Aeronautical technology / Avionics**
- **02008001 - Air Transport**

Market keywords

- **09001006 - Airfield and other transportation services**

Targeted countries

- **Netherlands**
- **Belgium**
- **France**
- **Germany**
- **Spain**

Sector groups involved

- **Aerospace and Defence**

Media

Images

Foto-1.jpg

Foto-2.jpg

Foto-3.jpg

Foto-4.jpg