

German full service provider in the sector of unmanned aerial systems offers drone tethering- (linking) systems for a permanent (24/7) drone deployment and is looking for commercial agreements with technical assistance

Summary

Profile type	Company's country	POD reference
Technology offer	Germany	TODE20250310012
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
Enrico FRANZIN	10 Mar 2025 10 Mar 2026	10 Mar 2025

General Information

Short summary

A German full service provider in the sector of unmanned aerial systems offers several innovative systems including a drone tethering system that links drones with the power supply. The cable length is up to 120 metres. The company is looking for sales and service partners on the base of in form of commercial agreements with technical assistance.

Full description

A northern German full service provider in the sector of unmanned aerial systems offers an drone tethering system that links drones with their power supply by cable. Cable lengths of up to 120 metres are possible. Especially in large-scale emergencies, it is useful to have a permanent overview of the scene. This makes it easier to control access and departure routes, staging areas and areas at risk. Additionally UAVs also provide reliable data and images for a long time for other tasks, such as traffic counting or traffic monitoring.

Until now, the ascent height was limited due to the weight of the cable. Through further development of the products, the company can now offer cable lengths of up to 120 metres. This allows for a significant increase in altitude or a much larger radius of movement, as well as 24/7 operation of the drones. Strong illumination and reliable data transfer are also possible.

Type of wished partnerships are commercial agreement with technical assistance. Partners can be drone service providers that want to complement their portfolio, drone manufacturers and drone dealers or organisations that deal with rescue and surveillance services.

Advantages and innovations

Until now, the ascent height of operation of cable connected drones was limited by the weight of the cable. Due to the continuous development the company now can offer permanent flight altitudes up to 120 metres. This allows a significant increase in height or a much larger radius of movement.

Furthermore, by using different types of cable, even high bandwidths for upstream and downstream can be provided for the first time. Up to 200 Mbit can pass through the line in both directions, so that real-time analyses in video format are no longer a problem.

The cable supplies the copter with uninterrupted power, so that flight times of 24 hours a day, seven days a week can be achieved. Especially during large-scale emergencies or events, the drone allows a continuous overview. You will be convinced by the many advantages of our tethered drones for a wide range of applications.

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

Secret know-how

IPR Notes

Sustainable Development goals

• **Goal 9: Industry, Innovation and Infrastructure**

Partner Sought

Expected role of the partner

Partners can be drone service providers (maintenance of drones), providers of drone flights (safety, security, damage and condition control, rescue) or dealers of drones. The partner should have an interest in using or trading the tethering system and in taking up, advising and supporting the technical requirements of the customers. together, continuous improvements can be realised.

Type of partnership

Type and size of the partner

Commercial agreement with technical assistance

- R&D Institution
- Other
- Big company
- SME 11-49
- SME 50 - 249

Dissemination

Technology keywords

- **10002010 - Remote sensing technology**
- **10001003 - Fire Safety Technology**
- **09001004 - Electrical Technology related to measurements**

Targeted countries

- **World**

Market keywords

- **09003007 - Other services (not elsewhere classified)**
- **05004002 - Rescue and emergency equipment**
- **08004004 - Other pollution and recycling related**

Sector groups involved

- **Electronics**
- **Aerospace and Defence**

Media

Images

[Tethering system](#)