

A lithuanian company is seeking lightweight internal combustion engines for UAV applications.

Summary

Profile type	Company's country	POD reference
Business request	Lithuania	BRLT20260119006
Profile status	Type of partnership	Targeted countries
PUBLISHED	Outsourcing agreement Commercial agreement Investment agreement Supplier agreement	• World
Contact Person	Term of validity	Last update
<u>Enrico FRANZIN</u>	19 Jan 2026 19 Jan 2027	19 Jan 2026

General Information

Short summary

A Lithuanian company specializing in unmanned aerial systems (UAS), including fixed-wing UAV platforms, is seeking engine suppliers or manufacturers capable of providing lightweight internal combustion engines for UAV applications. The company is looking to purchase existing products and is open to minor modifications if needed, to ensure integration into its UAV platforms.

Full description

UAV Engine Request – Supplier Inquiry

The company is looking for a lightweight internal combustion engine for a UAV with the following characteristics:

Power output:** 35–40 kW (50 hp)

Torque: ~50 Nm

Max dry weight: 20 kg

Fuel system: Carbureted or EFI

Electric Starter: required

Generator: Optional

Fuel: Gasoline (AVGAS or Mogas)

Company is open to partnership or supplier cooperation and welcome technical details, datasheets, and pricing information.

Advantages and innovations

Technical specification or expertise sought

Engine type: Internal combustion (Carbureted or EFI)

Rated power: 35–40 kW (~50 hp)

Torque: ~50 Nm

Maximum dry weight: 20 kg

Starter: Electric starter required

Generator / alternator: Optional

Fuel type: AVGAS, MOGAS, or mixed fuel

Operation: must tolerate tilt angles up to 90° for short durations < 20 seconds

Temperature range: -25 °C to +50 °C

Maximum operating altitude: Up to 5,000 m ASL

Vibration level: Low vibration, suitable for UAV airframe integration

Fuel efficiency: High fuel efficiency preferred

Documentation: Full technical datasheets and performance curves

Stage of development

Already on the market

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 8: Decent Work and Economic Growth**

IPR Status

No IPR applied

IPR Notes

Partner Sought

Expected role of the partner

Supply: Provide lightweight internal combustion engines meeting the technical specifications.

Modification/Adaptation: Make minor adjustments to the engine, if necessary, to ensure proper integration with our UAV platforms.

Technical Support: Supply datasheets, performance curves, and guidance for integration and operation.

Type of partnership

- Outsourcing agreement**
- Commercial agreement**
- Investment agreement**
- Supplier agreement**

Type and size of the partner

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

Dissemination

Technology keywords

- 02009012 - Automotive engineering**
- 02008001 - Air Transport**
- 02011002 - Aircraft**

Market keywords

- 09003001 - Engineering services**
- 09004008 - Other manufacturing (not elsewhere classified)**

Targeted countries

- World**

Sector groups involved

- Mobility - Transport - Automotive**
- Aerospace and Defence**
- Energy-Intensive Industries**