

## **Oficiálne vyhlásenie o autorstve - Geolimit**

# Geolimit – Open System for Intelligent Speed Limiting of Vehicles

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### **## Introduction**

Geolimit is a proposed system that automatically slows down vehicles when entering towns, schools, and other protected zones. The system is intended to work without driver intervention, aiming to prevent tragedies caused by negligence or irresponsibility.

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### **## Goals**

- Protect human lives, especially in towns and school zones
- Eliminate dependency on repressive measures (fines, speed traps)
- Openness of the system – allow implementation without corporate monopoly
- Independence from vehicle manufacturer – possible as an add-on module

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### ## How It Works

1. **Geofencing** - the vehicle receives map data indicating it is entering a protected zone.
2. **Autonomous Decision** - the control unit compares current location with the zone database.
3. **Power Limitation** - electronic engine control reduces power/torque.
4. **Safe Return** - power is restored after leaving the zone.

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### ## Implementation Options

- **Hardware module with GPS and CAN bus controller**
- **Partnership with navigation providers (e.g., TomTom, Garmin)**
- **Open-source database of speed zones (community-maintained)**

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### ## Risks and Ethical Considerations

- Misuse for repression or surveillance
- Potential system failures (GPS shadow, interference)
- Legal framework and guarantees of neutrality needed

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### ## Conclusion

Geolimit is not a business plan. It is a vision of a safer future. Technology should protect, not punish. This concept is presented as an open proposal – for discussion, development, and improvement.

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### ## Social Impact

In addition to protecting lives, the Geolimit project aims to support the most vulnerable. A modest fee is planned for commercial use of the system, with a portion of the proceeds regularly donated to:

- help children with serious illnesses,
- support animal shelters.

The goal is for Geolimit to be not only a technological solution, but also a tool of solidarity – bringing good where it is needed most.