

Research projects of EVPÚ j.s.c.



AGENTÚRA
NA PODPORU
VÝSKUMU A VÝVOJA

Research and development projects co-financed by
the Slovak Research and Development Agency

Project which is being:

Finished projects:

- APVV-17-0311 – Research and development of zero waste technology for the decomposition and selection of undesirable components from process gas generated by the gasifier
- APVV-18-0160 – Nanofluids in Electrical Engineering (Recipient: Institute of Experimental Physics, Slovak Academy of Sciences)
- APVV-21-0470 - Research and development of medium power converters for rolling stock based on GaN semiconductors.



MINISTERSTVO

ŠKOLSTVA, VEDY,
VÝSKUMU A ŠPORTU
SLOVENSKEJ REPUBLIKY

Projects co-financed by the Ministry of Education,
Science and Research of the Slovak Republic
according to Act No. 185/2009 Coll. on incentives for
research and development

Project: Research and development of highly efficient energy sources and technologies for
transport systems using Industry 4.0 principles (Reg: 1238/2018)



EURÓPSKA ÚNIA

Európsky fond regionálneho rozvoja
OP Integrovaná infraštruktúra 2014 – 2020



MINISTERSTVO

DOPRAVY A VÝSTAVBY
SLOVENSKEJ REPUBLIKY

Operational Program Integrated Infrastructure (OPII)

www.opii.sk

Completed projects:

[Innovative solutions fuel, energy and security components means of transport](#)



MINISTERSTVO

OBRANY SLOVENSKEJ REPUBLIKY

Projects with a subsidy from the Ministry of Defense of the Slovak Republic:

Project which is being:

- Development of a directed energy system for the detection, alignment and neutralization of potential unmanned aerial vehicles (UAVs) at short to medium ranges

Project objective: To develop and experimentally verify the control of a prototype system based on directed energy technology, capable of reliable detection, accurate identification and more effective neutralization of potential threats posed by unmanned aerial vehicles (UAVs) at a defined short to medium operational range.

Solution period: 11/2025 ÷ 12/2027

Finished projects:

- Development of an energy container for the transformation of electrical power systems

Project objective: Design and manufacture of a prototype container providing conversion between two electrical power systems 400/230V TN, 50Hz and 208/120V, 60 Hz with anticipated use in NATO missions.

Solution period: 02/2022 ÷ 12/2023

- Remote control of weapon systems

Project objective: Research, development and production of a functional model of an operator's workplace designed for remote control of weapon systems. The system will find wide application in systems designed for national defense, whether for remote control of weapon systems or monitoring equipment installed statically or on combat vehicles.

Solution period: 12/2021 ÷ 12/2023